

easyPRIMA

System Description

Version 1.10.0

2023-12-04

SEAL Systems

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1 Introduction

.....
 This documentation describes easyPRIMA, a web application, with the help of which you may manage queues in different systems. It includes setup, use, management and maintenance of easyPRIMA.

purpose

.....
 This documentation is intended for administrators.

target group

.....
 This chapter deals with the following topics:

in this chapter

Topic	Page
Conventions in this Documentation	10
Activate the Retrace of your Viewing Path in PDF	11
Overview of Contents	12

.....

Conventions in this Documentation

path specifica-
tion

.....
The path information given in this documentation is relative to the installation directory of easyPRIMA. The path information is indicated in Windows notation only in most cases. This corresponds to the UNIX directory structures unless noted otherwise.

typography

.....
The following table lists the typographical conventions employed in this documentation.

Typographical Convention	Meaning
Consolas	File names, paths, commands, menu items, keywords, special values, short scripts and examples
<i>Consolas italic</i>	Parameters; variables that must be replaced by current values
Consolas small	More extensive scripts and examples

.....

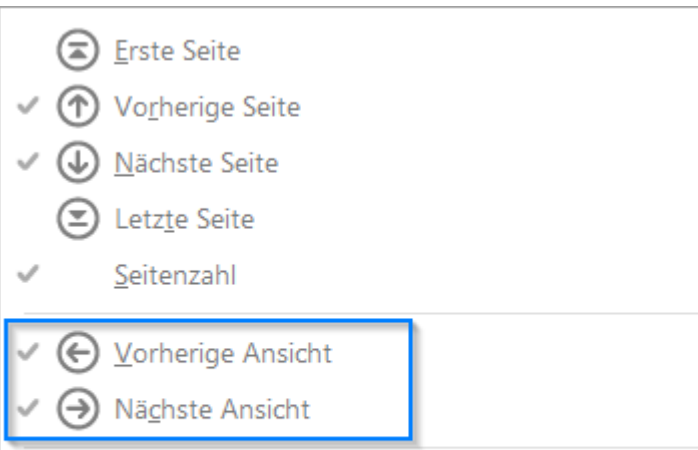
Activate the Retrace of your Viewing Path in PDF

Adobe Reader provides buttons to retrace your viewing path of PDF pages that you viewed earlier. This makes reading easier and helps to keep the central theme.

description

This is how you activate the buttons for retracing your viewing path in the PDF documentation as of Adobe Reader 10:

instructions

Step	Action
1	<p>Activate the following options via the menu:</p> <p>View - Show/Hide - Toolbar Items - Page Navigation Show Tools</p> <ul style="list-style-type: none"> • Previous View: activate • Next View: activate  <p>Alle Seitennavigation Werkzeuge einblenden</p>

Adobe Reader offers the following buttons to allow you jumping forward and backward in the document while showing pages you viewed in the reverse order that you viewed them:

result



Overview of Contents

Structure

.....
This documentation has two parts: a description and a reference. The first part describes the functionality, the installation and the maintenance by means of figures, step-by-step-procedures and explanatory texts. The second part serves as a detailed reference guide, containing configuration settings, keywords etcetera.
.....

description, part 1

.....
The description deals with the following topics:
Kapitel 2, *Functionality*, Seite 17, shortly describes the functional range that easyPRIMA offers.
Kapitel 3, *System Structure of easyPRIMA*, Seite 18, outlines the components, easyPRIMA consist of.
Kapitel 4, *System Requirements*, Seite 20, lists the necessary system requirements.
Kapitel 5, *Prepare the Systems*, Seite 24, illustrates the required operations to prepare the different systems for the maintenance via easyPRIMA.
Kapitel 12, *Queue Data*, Seite 99, describes how you install easyPRIMA.
Kapitel 7, *Start/End*, Seite 37, describes how you start and stop easyPRIMA.
Kapitel 12, *Queue Data*, Seite 99 describes the configuration for authentication via OIDC provider.
Kapitel 12, *Queue Data*, Seite 99, describes the handling of the data that you may or have to enter in easyPRIMA besides the queue data.
Kapitel 12, *Queue Data*, Seite 99, describes how you need to assign the components to each other in order to enable easyPRIMA to manage and distribute the queue configurations correctly.
Kapitel 12, *Queue Data*, Seite 99, describes the handling of the queue templates.
Kapitel 12, *Queue Data*, Seite 99, describes the handling of the queue data.
Kapitel 13, *Importing Queues*, Seite 123, describes how you import queues from a system into easyPRIMA.
Kapitel 14, *Export Queues*, Seite 135, describes how you export queues from easyPRIMA to systems.
Kapitel 15, *Managing Queues*, Seite 147, describes how you manage queues in easyPRIMA.
Kapitel 16, *Access Control*, Seite 159, provides an overview of the privileges used by easyPRIMA.
.....

To be continued

Overview of Contents, Continuation

.....
Kapitel 18, *Backup*, Seite 178, deals with the log files.

description, part
2

Kapitel 18, *Backup*, Seite 178, deals with the manual backup.

Kapitel 19, *Tips and Tricks*, Seite 183, provides help about various topics.
.....

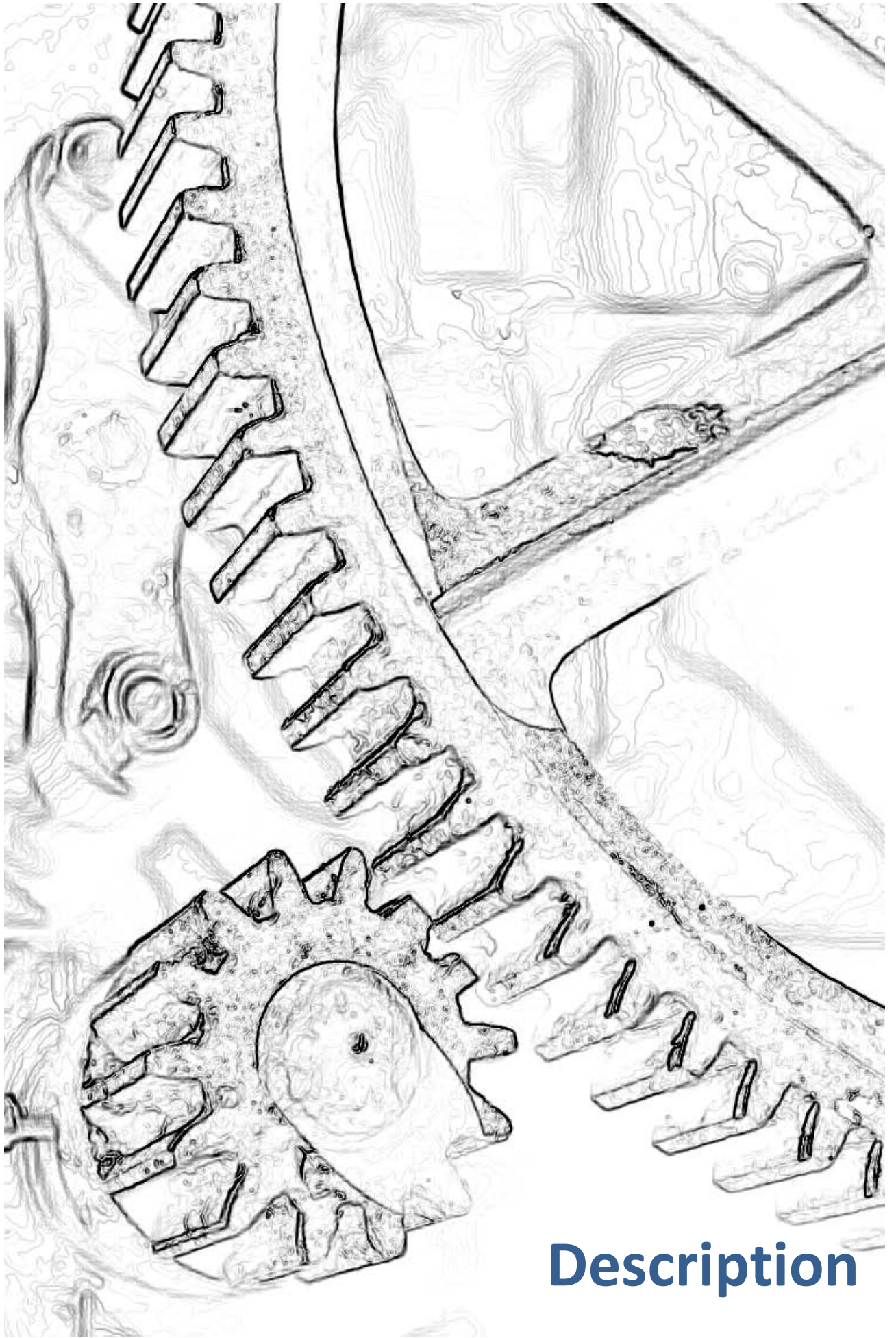
The reference contains the following chapters:

Reference

- Kapitel 20, *Parameters - Reference*, Seite 195, containing a description of the available data and their meaning
 - Kapitel 21, *Configuration Parameters - Reference*, Seite 244, containing a description of the available configuration parameters and their meaning
 - Kapitel 22, *Scripts - Reference*, Seite 346, containing a description of the available scripts and their parameters
 - Kapitel 23, *Windows Printing*, Seite 385, containing a description of the scripts required for Windows printers and their parameters
-

For an easier overview, a bibliography, terminology list, abbreviation list, and index are included at the end of the documentation.
.....

directories

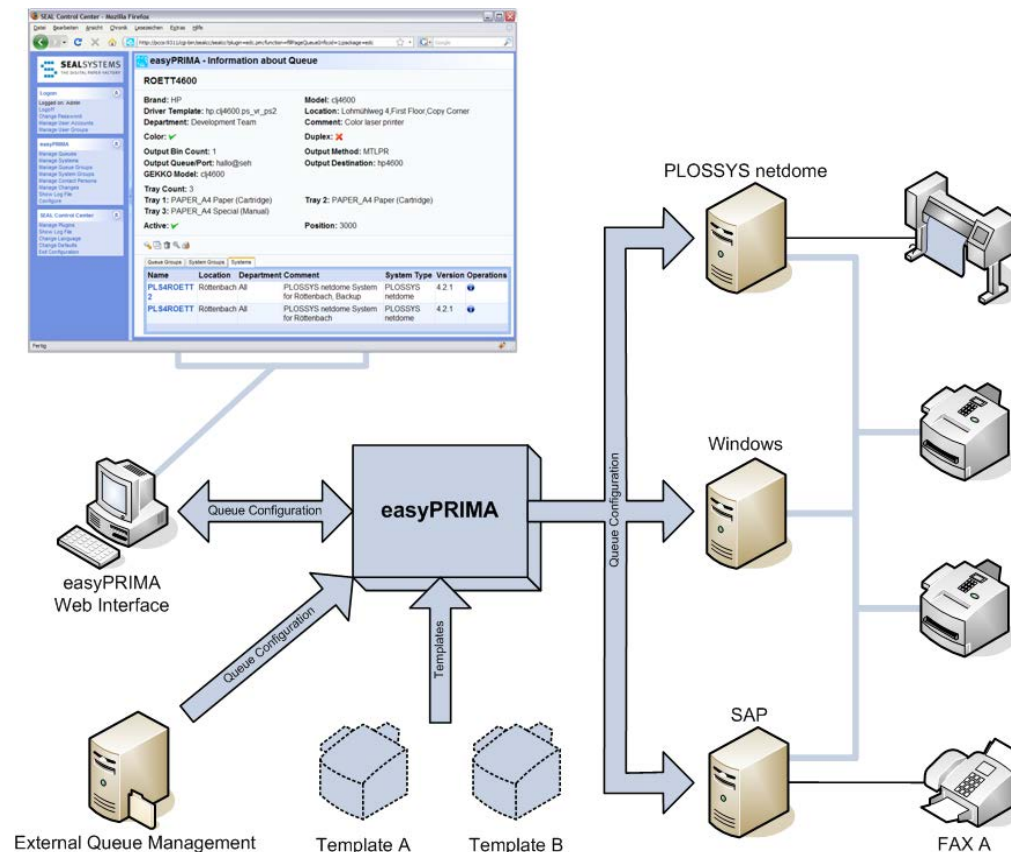


Description

2 Functionality

Easy Printer Management, short easyPRIMA, offers the possibility to centrally manage output queues of different systems. Thereby the queues may be real output devices or virtual ones, for example the output in PDF format. The parameters of the queues are recorded in easyPRIMA in a system-independent way in a database and merged with the system-specific parameters when being exported to the particular systems.

description



The standardized, central management of the output queues simplifies the management especially of large output management systems:

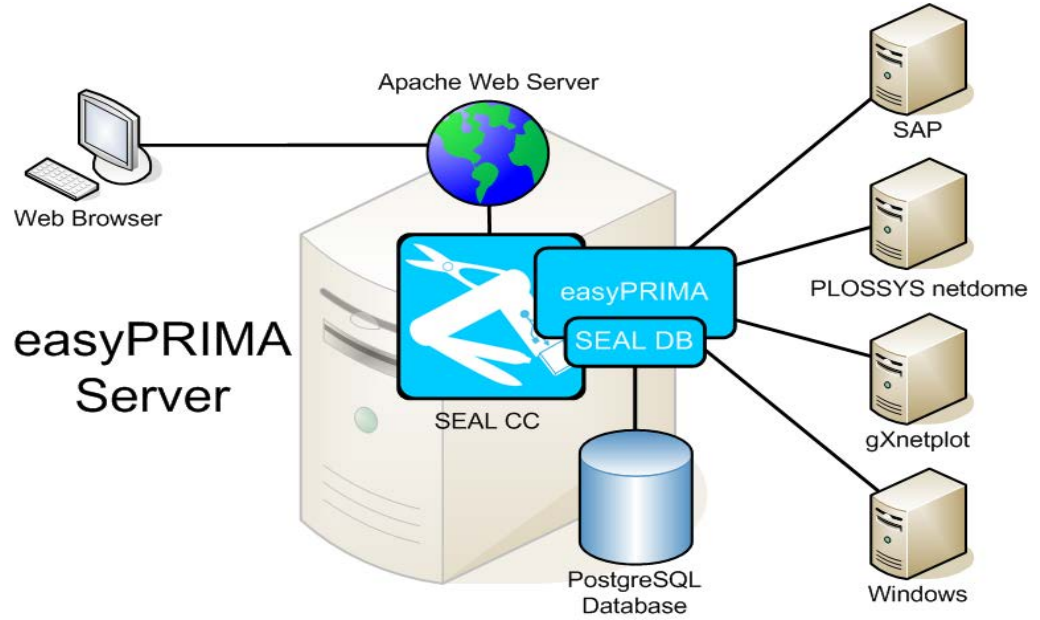
advantages

- Queues that need to be setup in several systems, need only be setup once.
- Configuration changes of queues that are used in several systems, have to be made only once.
- Queues may be setup and managed without the specific details of the separate systems having to be considered.

3 System Structure of easyPRIMA

description

easyPRIMA consists of several components, which all have to be installed on the server. On the client you only need a web browser.



To be continued

System Structure of easyPRIMA, Continuation

The following table gives an overview of the separate components and their tasks: components

Component	Description
PostgreSQL database (server)	Saves the data.
SEAL DB (server)	Database interface, which defines the data format and contains the libraries for querying the database.
easyPRIMA batch scripts (server)	Contain the application logic for importing and exporting the queues.
easyPRIMA Web interface (plug-in) (server)	CGI scripts, which build the graphic user interface of easyPRIMA. It is integrated in SEAL CC as a plug-in. easyPRIMA Batch scripts and easyPRIMA Web Interface form the actual easyPRIMA application.
SEAL CC (server)	CGI scripts, which provide a framework that serves as environment for easyPRIMA and other applications.
Apache Web Server (server)	Processes the scripts required by the web browser on the client and sends the result to the web browser.
web browser (client)	The user calls SEAL CC in his web browser and the easyPRIMA web interface integrated in it. With the graphic user interface he is able to manage his devices in the different systems.

4 System Requirements

in this chapter

.....
This chapter deals with the following topics:

Topic	Page
Supported Systems	21
Peculiarities of Systems	22
requirements of the client	23


Supported Systems

.....
The following systems are supported by easyPRIMA:

- PLOSSYS 5
- PLOSSYS netdome as of version Version 4.6.0
- SAP Business Suite (ECC 6.0)
- S/4HANA on premise (all versions)
- Windows print server as of version 2012 R2

You may use easyPRIMA for several systems of the same type, for example different SAP systems, as well as for systems of a different type, for example SAP and PLOSSYS netdome.

supported systems

 hint - homogeneity of the systems

Peculiarities of Systems


SAP systems

.....
If easyPRIMA is supposed to setup and administrate printers on an SAP system, or to import printers from an SAP system, the following requirements need to be complied with:

- Core Base ab Version 1.3.8 (for the reasons of the changing to JAVA RFC)
-

Windows systems

If easyPRIMA is supposed to setup and administrate printers on a Windows system, or to import printers from a Windows system, easyPRIMA has to be installed on a Windows system, too.

 **Caution** - Windows 2008 or later

On Windows 2008 R2 Windows printers can only be set up on a Windows print server, if either the user management is deactivated or Windows print server and easyPRIMA are installed on different servers.

supported Windows drivers

The following Windows drivers are supported by easyPRIMA:

- Windows 7 driver and later
-

performance - server

To provide a performance as good as possible you should let a virus scanner check the installation directory on the server only regularly in a large time interval. A check of every single file access is not necessary.

Unicode

.....
easyPRIMA is Unicode-enabled. Anyway you have to make sure that the systems, which easyPRIMA is supposed to export to, are Unicode-enabled as well. If a target system is not Unicode-enabled, the data of the queues that are supposed to be exported to it, must not contain Unicode characters.
.....

requirements of the client

.....
On the client a web browser has to be installed. The easyPRIMA web interface is optimized for any current version of:

requirements of the client

- Mozilla Firefox
- Google Chromium
- Edge Chrome

The parallel use of several tabs in the Web browser is not supported.

.....

5 Prepare the Systems

in this chapter

This chapter deals with the following topics:

Topic	Page
System-independent Preparations	25
Prepare PLOSSYS netdome Systems	26
Prepare SAP Systems	27
Prepare Windows Systems	33

5.1 System-independent Preparations

.....
The preparations described in the following are required independent of the system. description

.....
The firewall of the client, from which the export is supposed to be started, has to allow the connection to the separate systems. If necessary register the connection, for example the kNet port number of PLOSSYS netdome, as an exception. firewall on the client

The firewall of the server, on which the target system is located, has to grant easyPRIMA the access. If necessary register the connection as an exception. firewall on the server

.....
easyPRIMA uses the following environment variable: environment variables

SEAL_CUSTOMDIR:

SEAL_CUSTOMDIR defines the directory, in which the customer-specific CSV file is stored. If in the specified directory a CSV file is stored, this will be used for importing the queue templates.

.....
If you use an OpenID Connect provider for authentication, e. g. Keycloak, you need to setup this first and register easyPRIMA as a client there. OpenID Connect

You will find information about installing Keycloak and setting up the clients in the online documentation:



→ <https://seal-oidc.docs.sealsystems.de/>


5.2 Prepare PLOSSYS netdome Systems

description


The preparations described in the following are required for PLOSSYS netdome systems.

modify a PLOSSYS netdome environment

If you modify an already existing PLOSSYS netdome environment to being administered by easyPRIMA, in the different systems you have to save all queue templates and PLOSSYS netdome printer driver files, which differ from the default files, and to enter them in easyPRIMA as customer-specific queue templates. This concerns all files belonging to the queue templates and all PLOSSYS netdome printer driver files. This includes the output scripts, Print-to-PLOSSYS specific printer configuration files, DB files, printer configuration files independent of whether they contain customer-specific changes or not. All these files will be overwritten in the target systems during the export, as easyPRIMA is regarded as the leading systems, in which all queues are administered.

 **Caution** - customer-specific changes

If you need customer-specific changes in these files, you have to do them at a central location in easyPRIMA and not at all in the separate PLOSSYS netdome systems.

 **hint** - different setting for the same templates

If in different PLOSSYS netdome systems you wish to use different settings for a specific file, you have to use different templates with different names in easyPRIMA as well. You have to provide the template files in the appropriate directory and import them later in easyPRIMA, see *Import Queue Templates*, Seite 87.

modify a Print-to-PLOSSYS environment

If you modify a Print-to-PLOSSYS environment to being administered by easyPRIMA, you have to save all Print-to-PLOSSYS-specific device configuration files and enter them in easyPRIMA as customer-specific queue templates, see *Import Queue Templates*, Seite 87.

If you need customer-specific changes in these files, you have to do them at a central location in easyPRIMA and not at all in the files in the Print-to-PLOSSYS directory structure. The changes will be saved in the appropriate directory of Print-to-PLOSSYS, when the queues are exported from easyPRIMA.

5.3 Prepare SAP Systems

.....
The following preparations have to be made for SAP systems:

instructions

Step	Action
1	Check the RFC user for the necessary authorizations. → <i>Required Authorizations</i> , Seite 28
2	On the SAP system, make sure that the import/export function is activated: → <i>Activate the Default Configuration</i> , Seite 31 → <i>Activate the Import/Export Function</i> , Seite 32
3	On the SAP system, ensure that you have imported the following version: Core Base 1.0.4.20 or newer

.....

Required Authorizations

required authorizations

.....
The following authorizations must be assigned for easyPRIMA:

- Authorization RFC calls
-

example role

SEAL Systems delivers example roles with the required authorizations without restriction. For easyPRIMA, the composite role `/seal/role_ext` is relevant, containing the following single roles:

- `/seal/role_ext_rfc`
 - `/seal/role_ext_xmi`
 - `/seal/role_ext_xom`
-



further information

[SAP_AUTH_TEC] describes the general authorizations required for SEAL Systems applications and their installations on SAP. You can use the roles and the authorization profiles listed there and provided by SEAL Systems as templates for customizations.

.....

use example role

This is how you use the example role:

Step	Action
1	→ <i>Customize the Example Role, Seite 29</i>
2	→ <i>Assign a Role, Seite 30</i>

.....

Customize the Example Role


.....
These steps are only required if you want to assign a role with restricted authorizations but not the example role without restrictions to the system user who is used for easyPRIMA.

required if

.....
You have loaded the role via `_seal_role_ext.sap` into the SAP system.

Requirement

[SAP_AUTH_TEC] describes how to load roles.

 further information

.....
This is how you adapt the example roles for easyPRIMA:

instructions

Step	Action
1	Start the <code>pfcg</code> transaction.
2	Select the <code>/seal/role_ext</code> role and copy it.
3	Customize the copied role in the Authorizations tab with: Change Authorization Data
4	Save and generate the role.

Assign a Role

description

.....
The example role or the modified role will be assigned to the system user who is used for easyPRIMA.
.....

instructions

.....
This is how you assign the role to the system user for easyPRIMA:
.....

Step	Action
1	Start the su01 transaction.
2	Select a user who is specified at CadRfcUser in the following file on the OMS: server/sapserv/bin_%PLS_OSFULLNAME%/cadrfc.ini
3	Switch to the Role tab.
4	Enter the desired role.



hint

.....
The authorizations specified for a user can be displayed with the su56 transaction.
.....

Activate the Default Configuration

SEAL Systems delivers the defaults as BC Sets (Business Configuration Set). The following authorizations are required to use the BC Sets:

Requirement

- SCPR20 - Activation of BC Sets
- SCPR3 - Maintenance of BC Sets, if required






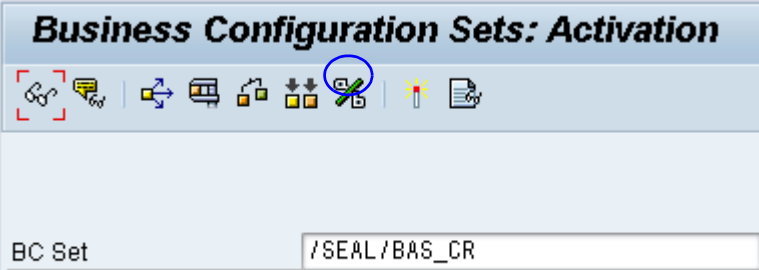
The following BC Sets are available for easyPRIMA:

BC Set - overview

- SEAL Basis

This is how you activate the default configurations:

instructions

Step	Action
1	Start the <code>/n/seal/img</code> transaction.
2	<p>Click  at Basis configuration →Activate the Default Configuration (BC Set)</p> <p> Hint - alternative: Start the <code>scpr20</code> transaction with Bus. Conf. Set: <code>/seal/bas_cr</code></p>
3	Check the provided defaults with  or compare them with the configuration already existent because of previous installations with  .
4	<p>Activate the desired BC Set via  in the initial installation or if you wish to explicitly accept the new defaults:</p> 

Activate the Import/Export Function

required if


The configuration settings described here are automatically registered if you activate the SEAL Basis (/seal/bas_cr) BC Set.

→ *Activate the Default Configuration, Seite 31*

These steps are necessary only if you wish to check or adjust the current settings.

instructions

This is how you activate the import/export function:

Step	Action												
1	Start the /n/seal/img transaction.												
2	Click  at Basis configuration ® Define RFC Calls (/seal/bas_cr040 table)												
3	Specify: <ul style="list-style-type: none"> • Process Code: 1 • Function Number: OMSCFG • Program Name: /seal/oms_cr_cfg_xom_rfc_fct • Form Routine: %sap-function% <table border="1" data-bbox="523 1209 1337 1317"> <thead> <tr> <th colspan="4">Userfunctions</th> </tr> <tr> <th>Process C...</th> <th>Function N...</th> <th>Program Name</th> <th>Form Routine</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>OMSCFG</td> <td>/SEAL/OMS_CR_CFG_XOM_RFC_FCT</td> <td>%SAP-FUNCTION%</td> </tr> </tbody> </table>	Userfunctions				Process C...	Function N...	Program Name	Form Routine	1	OMSCFG	/SEAL/OMS_CR_CFG_XOM_RFC_FCT	%SAP-FUNCTION%
Userfunctions													
Process C...	Function N...	Program Name	Form Routine										
1	OMSCFG	/SEAL/OMS_CR_CFG_XOM_RFC_FCT	%SAP-FUNCTION%										

5.4 Prepare Windows Systems

.....
The preparations described in the following are required for Windows systems.
.....

description


If easyPRIMA is supposed to install and administer printers on a remote Windows Print Server, you have to have installed the appropriate Windows printer drivers in this system before the first export process is started. Usually this concerns the PostScript driver of SEAL Systems, which is part of Windows Integration.

Windows print server

Here the following has to be considered:

Step	Action
1	As of Windows Vista the common installation via MSI is not sufficient. The driver has to be installed subsequently via the printer management dialog of the operating system, otherwise easyPRIMA is not able to access the driver correctly via WMI.
2	Check the setting of the following key in the Windows registry: HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Lsa: forceguest Enter the value 0, so that easyPRIMA can access the driver via WMI.

.....
As of Windows 2008 R2 in the printer management dialog of the operating system all printers, which use the same printer port, are displayed with one symbol, although they can be addressed as separate devices at the output. As usually all printers installed by easyPRIMA use the port monitor of SEAL Systems as printer port, they will be displayed with one symbol as well.
.....

 hint - printer icon

6 Install easyPRIMA

in this chapter

This chapter deals with the following topics:

Topic	Page
Install easyPRIMA	35
Adjusting the easyPRIMA Configuration	36


Install easyPRIMA

→ *Prepare the Systems*, Seite 24

Requirement


If you install easyPRIMA under Windows, SEALService has to be installed.

Installation and configuration of SEALService are described in [SEALSERV_TEC].

 further information

This is how you install easyPRIMA:

instructions

Step	Action
1	<p>Open your web browser and log on to the SEAL Systems delivery platform with your logon data:</p> <p>→ https://delivery.sealsystems.de</p> <p> Hint - logon data:</p> <p>You receive your logon data from your Technical Project Manager at SEAL Systems.</p>
2	Download the current easyPRIMA OCON package. The file is saved as zip file.
3	Unpack the downloaded zip file.
4	Start the sealsetup.exe installation program and follow the instructions.

Adjusting the easyPRIMA Configuration

required if

easyPRIMA is installed with a standard configuration you may use without configuration changes. However, adjustments of the configuration parameters may be helpful in the following cases:

- You wish to import queue configurations consecutively from different systems.
- A queue is to be accessed by systems of a different type, which need different queue parameters depending on the system. When importing a queue from a system you may add the system-specific queue parameters of the other systems automatically by defining appropriate mapping rules.
- easyPRIMA is to try to directly contact network printers and retrieve their current device configuration, when importing queues.

If you wish to change the configuration, your Technical Project Manager at SEAL Systems will be pleased to support you.


Requirement

→ *Start easyPRIMA, Seite 38*

instructions

This is how you make configuration changes:

Step	Action
1	Open the command prompt or shell of easyPRIMA.
2	Switch to the directory: <pre>\server\edc\conf</pre>
3	Open the <code>edc.cfg</code> file in a text editor.
4	Change the desired parameters according to your requirements. → <i>Configuration Parameters - Reference, Seite 244</i>
5	Save the configuration file and exit.

 related topics

The normal configuration of the easyPRIMA system is made via user interface in the web browser.

→ *Queue Data, Seite 99*

7 Start/End

.....
This chapter deals with the following topics:

in this chapter





Topic	Page
Start easyPRIMA	38
stop easyPRIMA	39
Log on to the System	40
Log on to the System - User	42

.....

Start easyPRIMA

instructions






This is how you start easyPRIMA:

Step	Action
1	<p>Check whether SEALService is started.</p> <p> further information: [SEALSERV_TEC]</p>
2	<p>Start easyPRIMA via: sysstart</p> <p>The script starts the database and then the web server.</p> <p> Caution - at the first start:</p> <p>If easyPRIMA is started for the very first time, at first the database is initialized. This may take some time.</p> <p> Hint - start database and web server separately:</p> <p>You may start the database and the web server separately, as well.</p> <ul style="list-style-type: none"> • For the database call the following script: pgstart • For the web server call the following script: webstart
3	<p>Check the correct start of easyPRIMA with: sysstatus</p> <p> further information: [SYSTEMSTATUS_TEC]</p>

stop easyPRIMA

This is how you stop easyPRIMA:




instructions

Step	Action
1	<p>Stop easyPRIMA with: <code>sysstop -full</code></p> <p>The script stops the web server and then the database and creates a backup of the currently stored data.</p> <p> Caution - without the <code>-full</code> option:</p> <p>If you call the <code>sysstop</code> script without the <code>-full</code> option, only a backup of the currently stored data will be created.</p> <p> Hint - stop database and web server separately:</p> <p>You may stop the database and the web server separately, as well.</p> <ul style="list-style-type: none"> For the web server call the following script: <code>webstop -full</code> <p> Caution - without the <code>-full</code> option:</p> <p>If you call the <code>webstop</code> script without the <code>-full</code> option, nothing happens.</p> <ul style="list-style-type: none"> For the database call the following script: <code>pgstop -full</code> <p> Caution - without the <code>-full</code> option:</p> <p>If you call the script <code>pgstop</code> without the option <code>-full</code>, only a backup of the currently stored data will be created, but the database will not be stopped.</p> <p> hint - emergency stop instead of normal stop:</p> <p>If easyPRIMA cannot be stopped with <code>sysstop</code>, you can use the following command: <code>syskill</code></p>
2	<p>Check the correct stop of easyPRIMA with: <code>sysstatus</code></p>

Log on to the System

Requirement → Start easyPRIMA, Seite 38

instructions, part 1 This is how you log on to the system:



Step	Action
1	Open the web browser.
2	<p>Call SEAL Control Center: <code>http://server_name:port_number/cgi-bin/sealcc/sealcc</code> with <i>server_name</i> Name of the server, on which easyPRIMA is installed <i>port_number</i> Port number of the web server</p> <p> Hint - call via command prompt or shell: If you work in the command prompt or shell of easyPRIMA, you may also start SEAL CC via command line by the following command: <code>sealcc</code></p> <p> Caution - users management at the very first start: If SEAL Control Center is started for the first time, you need to activate the users management at first. This is essential for easyPRIMA. SEAL Control Center starts without a logged on user at first. To setup easyPRIMA you have to log on as an administrator with the appropriate authorization. Without being logged on you will only have reading access to easyPRIMA.</p> <p> Further information: The users management is part of SEAL Control Center. The activation of the users management is described in [SEALCC_TEC].</p>
3	<p>In the menu on the left, select: Plug-in: Logon Item: Logon</p>

..... To be continued

Log on to the System, Continuation

Continuation:

instructions, part
2

Step	Action
4	<p>Enter user name and password and confirm the entry.</p> <p>The appropriate access rights will be provided in the plug-in easyPRIMA.</p> <p> Caution - at the first start:</p> <p>For the very first logon you have to enter admin as user name and password. For following logons you should change the password in SEAL Control Center.</p> <p> Further information:</p> <p>The users management is part of SEAL Control Center. The changing of the password is described in [SEALCC_TEC].</p>

Log on to the System - User


Requirement

→ Start *easyPRIMA*, Seite 38

If you do not have the rights to start *easyPRIMA*, please inform your system administrator.

instructions

This is how you log on to *easyPRIMA*:

Step	Action
1	Open the web browser.
2	<p>Call SEAL Control Center: <code>http://server_name:port_number/cgi-bin/sealcc/sealcc</code> with <i>server_name</i> Name of the server, on which <i>easyPRIMA</i> is installed <i>port_number</i> Port number of the web server</p> <p>You have to log on to <i>easyPRIMA</i> to be able to use the applications. Without being logged on you will only have reading access to <i>easyPRIMA</i>.</p>
3	<p>In the menu on the left, select: Plug-in: Logon Item: Logon</p>
4	<p>Enter user name and password and confirm the entry.</p> <p>The appropriate access rights will be provided in the plug-in <i>easyPRIMA</i>.</p> <p>Please ask your system administrator for user name and password of the first logon. For following logons you should change the password in SEAL Control Center.</p> <p> Further information: The users management is part of SEAL Control Center. The changing of the password is described in [SEALCC_TEC].</p>

..... *To be continued*

Log on to the System, Continuation

.....
As a standard user you are authorized to manage queues. You are allowed to proceed the following actions:

privileges as a standard user

- Create new queues
 - Assign queues and queue groups
 - Change existing queues
 - Mark existing queues for deletion
 - Delete queues marked for deletion
 - Restore Queues Marked for Deletion
-

8 Authentication via OpenID Connect

description

.....
 You may integrate easyPRIMA into a user authentication via OpenID Connect protocol.

For this Seal Systems offers a SEAL-specific version of Keycloak.



reference

You will find information about installing Keycloak and setting up the clients in the online documentation:

→ <https://seal-oidc.docs.sealsystems.de/>

.....

in this chapter

This chapter deals with the following topics:

Topic	Page
Configure edc.cfg Parameters	45
Define Privileges for easyPRIMA	46
Specify User and Password	47

.....

Configure edc.cfg Parameters

easyPRIMA is registered in the OIDC provider as a client.

requirement

→ <https://seal-oidc.docs.sealsystems.de/>

The OIDC provider allocates data with which easyPRIMA can identify itself there. Specify these data in the `edc.cfg` configuration file.

description

This is how you specify the identification data in:

instructions

Step	Action
1	Open the command prompt or shell of easyPRIMA.
2	Open the <code>edc.cfg</code> file in a text editor.
3	Configure the parameters in the [OIDC] section. → <i>[OIDC] Section, Seite 310</i>
4	Save the configuration file and exit.

Define Privileges for easyPRIMA

description

easyPRIMA requires suitable privileges to be able to export queues to PLOSSYS 5 systems. You define these in the PLOSSYS 5 system in the `ALLOWED_OIDC_CLIENTS` environment variable.



hint - complex JSON object

The `ALLOWED_OIDC_CLIENTS` environment variable is a complex JSON Object. Hence it is reasonable to read out the values from a file via PLOSSYS CLI. In addition, this way the value of `ALLOWED_OIDC_CLIENTS` is checked for its JSON conformity.

You may create a template for the file with PLOSSYS CLI, name it as you wish, e. g. `ALLOWED_OIDC_CLIENTS.JSON`, and specify the privileges required for easyPRIMA.



reference

You will find further information on how to define the privileges in the online documentation:

→ <https://plossys-5.docs.sealsystems.de/>

Specify User and Password

You are logged on to easyPRIMA as an administrator:

requirement


→ *Log on to the System, Seite 40*

In the appropriate system in easyPRIMA, specify the data for the PLOSSYS 5 user that is used to install queues in PLOSSYS 5.

description


This is how you change the data of a system:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Systems
2	Find the desired PLOSSYS 5 system in the list and click the  button at the end of the line.
3	Specify user and password for installing queues in PLOSSYS 5: → <i>System - Mandatory PLOSSYS 5 Parameters, Seite 203</i>
4	Confirm the input. The changes are active at once.

Subsequently register the PLOSSYS 5 user in the OIDC provider as user. Then the OIDC provider is able to grant the privileges for exporting queues.

→ <https://seal-oidc.docs.sealsystems.de/>

 Hint - specify the user in the OIDC provider

9 Basic Data



Caution -
queue data

in this chapter


The actual queue data may not be imported until the data basis is complete.

This chapter deals with the following topics:

Topic	Page
Add Departments	49
Rename a Department	50
Delete Departments	51
Add Contact Persons	52
Change Contact Persons	53
Delete Contact Persons	54
Add System Groups	55
Change System Groups	56
Delete System Groups	57
Add Systems	58
Setting up Central Job Distribution	60
Specify a PLOSSYS 5 Cluster	62
Change Systems	64
Delete Systems	65
Add Queue Groups	66
Change Queue Groups	67
Delete Queue Groups	68

Add Departments

Departments are optional. If you wish to use them, you need to start the data entry with these data, as departments are attributes of contact persons. Otherwise additional steps are necessary to add these to the contact persons.

 hint - optional data

You are logged on to easyPRIMA as an administrator:

Requirement

→ *Log on to the System, Seite 40*

This is how you enter departments:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Departments
2	Click the Add Department button under the Available Departments selection list. A small pop-up window is opened.
3	Enter the name of the department in the text field and confirm the input. The pop-up window is closed and the department will be displayed as the selected element in the Available Departments selection list.
4	Repeat the steps 2 to 3 for any other department.

Rename a Department

Requirement

You are logged on to easyPRIMA as an administrator:

→ *Log on to the System, Seite 40*

instructions

This is how you change the name of a department:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Departments
2	Select the desired department in the Available Departments selection list.
3	Click the Rename Selected Department button under the Available Departments selection list. A small pop-up window is opened.
4	Enter the new name of the department in the text field and confirm the input. The pop-up window is closed and the department will be displayed with its new name as the selected element in the Available Departments selection list

Delete Departments

.....
 You are logged on to easyPRIMA as an administrator:

Requirement

→ *Log on to the System, Seite 40*

.....


This is how you delete a department:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Departments
2	Select the desired departments in the Available Departments selection list.
3	Click the Delete Selected Departments button under the Available Departments selection list.
4	Confirm the confirmation prompt with OK. The departments will be deleted. The changes are active at once.

.....

Add Contact Persons

 hint - optional data

Contact persons are optional. If you wish to use them, you need to start the data entry with these data, as contact persons are attributes of systems. Otherwise additional steps are necessary to add these to the systems.

Requirements

You are logged on to easyPRIMA as an administrator:




→ *Log on to the System*, Seite 40

You have entered the departments, in case you use them:

→ *Add Departments*, Seite 49

instructions

This is how you enter contact persons:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Contact Persons
2	Click the  button above the list.
3	Enter the required data of the contact person: → <i>Contact Person - Parameters</i> , Seite 197
4	Confirm the input.
5	Repeat the steps 2 to 4 for any other contact person.  Hint - several contact persons with similar data: If several contact persons have similar data, for example the same address, you may simplify the entry by copying the person data. Click the  button at the end of the line.

Change Contact Persons

.....
 You are logged on to easyPRIMA as an administrator:


Requirement

→ *Log on to the System, Seite 40*

.....

This is how you change the data of a contact person:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Contact Persons
2	Find the desired contact person in the list and click the  button at the end of the line.
3	Change the required data of the contact person: → <i>Contact Person - Parameters, Seite 197</i>
4	Confirm the input. The changes are active at once.

.....

Delete Contact Persons




Requirement

You are logged on to easyPRIMA as an administrator:

→ *Log on to the System, Seite 40*


instructions

This is how you delete a contact person:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Contact Persons
2	Find the desired contact person in the list and click the  button at the end of the line.  Hint - delete several contact persons: If you wish to delete several contact persons at the same time, in the first column, select the persons to be deleted and click the  button above the list.
3	Confirm the confirmation prompt with OK. The contact person will be deleted. The changes are active at once.

Add System Groups

System groups, systems and queue groups have to be entered. Which order you choose is up to you.

 **Caution** - mandatory data

You are logged on to easyPRIMA as an administrator:

Requirements

→ *Log on to the System*, Seite 40




You have entered the departments and contact persons, in case you use them:

→ *Add Departments*, Seite 49

→ *Add Contact Persons*, Seite 52

This is how you enter system groups:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage System Groups
2	Click the  button above the list.
3	Enter the required data of the system group: → <i>System Group - Parameters</i> , Seite 198
4	Confirm the input.
5	Repeat the steps 2 to 4 for any other system group.  Hint - several system groups with similar data: If several system groups have similar data, for example similar names, you may simplify the entry by copying the data of the system group. Click the  button at the end of the line.

Change System Groups


Requirement

You are logged on to easyPRIMA as an administrator:

→ *Log on to the System, Seite 40*

instructions

This is how you change the data of a system group:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage System Groups
2	Find the desired system group in the list and click the  button at the end of the line.
3	Change the required data of the system group: → <i>System Group - Parameters, Seite 198</i>
4	Confirm the input. The changes are active at once.

Delete System Groups

.....
You are logged on to easyPRIMA as an administrator:


Requirement

→ *Log on to the System, Seite 40*

.....


This is how you delete a system group:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage System Groups
2	Find the desired system group in the list and click the  button at the end of the line.
3	Confirm the confirmation prompt with OK. The system group will be deleted. The changes are active at once.

.....

Add Systems

 **Caution** - mandatory data

System groups, systems and queue groups have to be entered. Which order you choose is up to you.

Requirements

You are logged on to easyPRIMA as an administrator:

→ *Log on to the System*, Seite 40



You have entered the departments and contact persons, in case you use them:

→ *Add Departments*, Seite 49

→ *Add Contact Persons*, Seite 52

instructions, part 1

This is how you enter systems:




Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Systems
2	Click the  button above the list.
3	Enter the required data of the system.  Caution - system-dependent data Depending on the used system, besides the general data you have to enter additional system-specific data. These are mandatory: → <i>System - General Parameters</i> , Seite 199 → <i>System - Mandatory PLOSSYS netdome Parameters</i> , Seite 200 → <i>System - Optional PLOSSYS netdome Parameters</i> , Seite 201 → <i>System - Mandatory PLOSSYS 5 Parameters</i> , Seite 203 → <i>System - Optional PLOSSYS 5 Parameters</i> , Seite 204 → <i>System - SAP Mandatory Parameters</i> , Seite 206 → <i>System - Optional SAP Parameters</i> , Seite 207 → <i>System - Windows Parameters</i> , Seite 209
4	Confirm the input.

..... To be continued

Add Systems, Continuation

Continuation:

instructions, part
2

Step	Action
5	<p>Repeat the steps 2 to 4 for any other system.</p> <p> Hint - several systems with similar data:</p> <p>If several systems have similar data, for example similar names, you may simplify the entry by copying the data of the system. Click the  button at the end of the line.</p> <p> Caution - when copying systems:</p> <p>You may enter several systems with the same name and of the same type. In doing so, you have to make sure that these systems are clearly distinguishable by means of another parameter, for example the port number.</p>

Setting up Central Job Distribution

required if

.....
You use several PLOSSYS netdome systems, but wish to send output jobs to a central system from which these are forwarded as required, e. g. for Secure&Pickup Printing.
.....

job distribution

.....
You have to define one system as the central system to which all output jobs are sent.
.....

If easyPRIMA exports the queue data to this central system, an additional parameter will be added to any queue. This contains a list of remote systems in the form of their connection data.

- For PLOSSYS netdome systems:
AVAILABLE_REMOTE_SYSTEMS "host_1:port_1 host_2:port_2"
- For PLOSSYS 5 systems:
AVAILABLE_REMOTE_P5_SYSTEMS "host_1:port_1 host_2:port_2"

If an output job is to be output on a certain device, the central system tries to connect to the first remote system in the list. If it can establish the connection, the central system sends the job data to the remote system and the remote system takes the task.

If the central system cannot establish a connection to the first remote system in the list, it tries to connect to the next remote system in the list and to send the output job to it.

Thus the central system goes through the list of remote systems until it can connect to a system and send the job data to it.

If none of the remote systems is reachable, the central system itself takes the task and sends the printing data directly to the device.

PLOSSYS 5 Cluster

.....
If a PLOSSYS 5 cluster is part of the central job distribution, the central system sends the jobs to the primary server of the cluster.
.....

If this is not available, the central system goes through the list of alternative servers until it is able to connect to a system and to send the jobs.

If the whole cluster is not available, the central system tries to connect to the next system or the next cluster and to send the jobs there.

..... *To be continued*

Setting up Central Job Distribution, Continuation

Which systems are listed in the parameter depends on the system groups to which the central system belongs. All systems in the system groups to which the central system is assigned are used as remote systems.

list of systems

You cannot exclude any system of being used as remote system.

If easyPRIMA exports queue data to the central system, the queue - queue group - system group - system assignment is used to analyze which systems the appropriate queue is a part of. Any system identified this way is registered in the list of remote systems.

Hence the list of remote systems can be different for different queues.

In order to use the central job distribution you need to define one system as the central system. This prints itself via remote systems and only in case of necessity.

central system


You have entered one ore more systems:

Requirements

→ *Add Systems*, Seite 58

This is how you define the central distribution system:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Systems
2	Find the desired system in the list and click the  button at the end of the line.
3	Activate the checkbox: Output via remote system → <i>System - Mandatory PLOSSYS netdome Parameters</i> , Seite 200
4	Confirm the input. With the next export of queue data to the system the lists of the remote systems will be transferred to the queue configurations.


Specify a PLOSSYS 5 Cluster

Description	<p>.....</p> <p>You may install PLOSSYS 5 systems as a cluster. Then the system is mirrored identically to several servers.</p> <p>You have to define one of these server as primary server. easyPRIMA exports the queue data to this server.</p> <p>You can specify the other servers as alternative servers.</p> <p>.....</p>
export behavior	<p>If easyPRIMA can connect to the primary server, the export is executed. The primary server mirrors the changes to the other servers.</p> <p>If the primary server is not available, easyPRIMA tries to connect to the first server in the list of alternative servers.</p> <p>If easyPRIMA can connect to this server, the export is executed there.</p> <p>If this server is also not available, easyPRIMA tries to connect to the next server in the list of alternative servers.</p> <p>This way easyPRIMA goes through the list of alternative servers until it is able to connect to a system and execute the export.</p> <p>If none of the alternative servers is available, all attempts are displayed on the screen with their error messages.</p> <p>.....</p>
Protocol	<p>If the export can be executed successfully, the result of this export is displayed on the screen. You can identify to which server easyPRIMA has exported the queue data by the URI.</p> <p>Potential prior failed attempts and the successful export are reported in the <code>edc.log</code> log file.</p> <p>.....</p>
central job distribution	<p>If a PLOSSYS 5 cluster is part of the central job distribution, the central system sends the jobs to the primary server of the cluster.</p> <p>If this is not available, the central system goes through the list of alternative servers until it is able to connect to a system and to send the jobs.</p> <p>If the whole cluster is not available, the central system tries to connect to the next system or the next cluster and to send the jobs there.</p> <p>..... <i>To be continued</i></p>

Specify a PLOSSYS 5 Cluster, Continuation

.....
 This is how you specify a PLOSSYS 5 cluster:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Systems
2	Find the desired system in the list and click the  button at the end of the line.
3	Specify the primary server: Keyword Server → <i>System - Mandatory PLOSSYS 5 Parameters, Seite 203</i>
4	Specify the secondary servers of the cluster: Keyword Alternative Server → <i>System - Optional PLOSSYS 5 Parameters, Seite 204</i>
5	Confirm the input.

.....

Change Systems


Requirement

You are logged on to easyPRIMA as an administrator:

→ *Log on to the System*, Seite 40

instructions

This is how you change the data of a system:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Systems
2	Find the desired system in the list and click the  button at the end of the line.
3	Change the required data of the system: → <i>System - General Parameters</i> , Seite 199 → <i>System - Mandatory PLOSSYS netdome Parameters</i> , Seite 200 → <i>System - SAP Mandatory Parameters</i> , Seite 206 → <i>System - Optional SAP Parameters</i> , Seite 207 → <i>System - Windows Parameters</i> , Seite 209
4	Confirm the input. The changes are active at once.

Delete Systems

.....
You are logged on to easyPRIMA as an administrator:


Requirement

→ *Log on to the System, Seite 40*

.....


This is how you delete a system:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Systems
2	Find the desired system in the list and click the  button at the end of the line.
3	Confirm the confirmation prompt with OK. The system will be deleted. The changes are active at once.

.....

Add Queue Groups

 **Caution** - mandatory data

System groups, systems and queue groups have to be entered. Which order you choose is up to you.

Requirements

You are logged on to easyPRIMA as an administrator:

→ *Log on to the System*, Seite 40




You have entered the departments and contact persons, in case you use them:

→ *Add Departments*, Seite 49

→ *Add Contact Persons*, Seite 52

instructions

This is how you enter queue groups:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queue Groups
2	Click the  button above the list.
3	Enter the required data of the queue group: → <i>Queue Group - Parameters</i> , Seite 210
4	Confirm the input.
5	Repeat the steps 2 to 4 for any other queue group.  Hint - several queue groups with similar data: If several queue groups have similar data, for example similar names, you may simplify the entry by copying the data of the queue group. Click the  button at the end of the line.

Change Queue Groups

.....
 You are logged on to easyPRIMA as an administrator:


Requirement

→ *Log on to the System, Seite 40*

.....

This is how you change the data of a queue group:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queue Groups
2	Find the desired queue group in the list and click the  button at the end of the line.
3	Change the required data of the queue group: → <i>Queue Group - Parameters, Seite 210</i>
4	Confirm the input. The changes are active at once.

.....

Delete Queue Groups


Requirement

You are logged on to easyPRIMA as an administrator:

→ *Log on to the System, Seite 40*

instructions

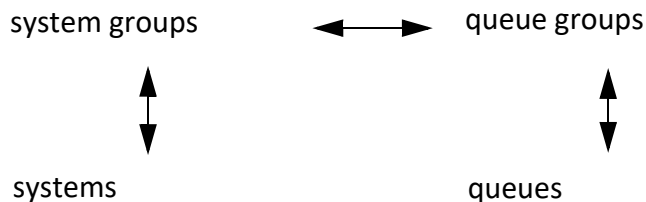
This is how you delete a queue group:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queue Groups
2	Find the desired queue group in the list and click the  button at the end of the line.
3	Confirm the confirmation prompt with OK. The queue group will be deleted. The changes are active at once.


10 Assignments - System Groups, Systems, Queue Groups and Queues

You can arrange systems in system groups and queues in queue groups. Additionally, you can link system groups and queue groups. From which side the assignment is made in each case is not important.

description



The assignments are necessary to be able to export the queues to the right systems, as between systems and queues no direct assignment can be made.

 **Caution** - mandatory

The order of the assignments between system groups and systems and between system groups and queue groups is up to you.

You cannot make the assignment between queue groups and queues until the queues have been imported.

 **Caution** - queues

This chapter deals with the following topics:

in this chapter

Topic	Page
Assign Particular System Groups and Systems	70
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Assign System Groups and Queue Groups	75
Change Assignments for System Groups and Queue Groups	77
Assign Particular Queue Groups and Queues	79
Assign Several Queue Groups and Queues	81
Find Unassigned Systems	84
Find Unassigned Queues	85

Assign Particular System Groups and Systems



requirement

You have entered all required data.

→ *Queue Data*, Seite 99

assign via system groups

This is how you assign a system to system groups:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage System Groups
2	Select the desired system group in the list. For this click the name of the system group or the  button at the end of the line.
3	Select the Systems tab to assign systems to the system group. This is below the information about the system group.
4	Click the  button above the list.
5	Select the desired systems in the list Available Systems on the left side and move them to the list Connected Systems by clicking the arrow icon >. If you wish to move all available systems to the list of the assigned systems, click the double arrow icon >> between the lists.
6	Confirm the input.



..... *To be continued*

Assign Particular System Groups and Systems, Continuation

.....

This is how you assign a system group to systems:

assign via systems

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Systems
2	Select the desired system in the list. For this click the name of the system or the  button at the end of the line.
3	Select the System Groups tab to assign system groups to the system. This is below the information about the system.
4	Click the  button above the list.
5	Select the desired queue groups in the list Available Queue Groups on the left side and move them to the list Connected Queue Groups by clicking the arrow icon >. If you wish to move all available queue groups to the list of the assigned queue groups, click the double arrow icon >> between the lists.
6	Confirm the input.

.....

Assign Several System Groups and Systems



requirement

You have entered all required data.

→ *Queue Data*, Seite 99



assign via system groups

This is how you assign several systems via system groups:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage System Groups
2	Select the desired system groups in the list.
3	Click the  button above the list. The list of systems is opened.
4	Select the desired systems in the list.
5	Click the  button above the list. The assignment is saved.

assign via systems

This is how you assign several system groups via systems:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Systems
2	Select the desired systems in the list.
3	Click the  button above the list. The list of system groups is opened.
4	Select the desired system groups in the list.
5	Click the  button above the list. The assignment is saved.

Change Assignments for System Groups and Systems

.....
 You are logged on to easyPRIMA as an administrator:

requirement



→ *Log on to the System, Seite 40*

.....
 You may change the assignments of system groups and systems via system groups or via systems.

description

.....
 This is how you change the assignments of systems via system groups:

assign via system groups



Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage System Groups
2	Select the desired system group in the list. For this click the name of the system group or the  button at the end of the line.
3	Select the Systems tab to change the assignments to the systems. This is below the information about the system group.
4	Click the  button above the list.
5	Select the desired systems in the list Available Systems on the left side and move them to the list Connected Systems by clicking the arrow icon >. Or select the desired systems in the list Connected Systems on the left side and move them to the list Available Systems by clicking the arrow icon <. If you wish to move all available systems to the list of the assigned systems, click the double arrow icon >> between the lists. If you wish to move all assigned systems to the list of the available systems, click the double arrow icon << between the lists.
6	Confirm the input.

..... *To be continued*

Change Assignments for System Groups and Systems, Continuation

assign via systems

This is how you change the assignments of system groups via systems:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Systems
2	Select the desired system in the list. For this click the name of the system or the  button at the end of the line.
3	Select the System Groups tab to change the assignments to the system groups. This is below the information about the system.
4	Click the  button above the list.
5	Select the desired system groups in the list Available System Groups on the left side and move them to the list Connected System Groups by clicking the arrow icon >. Or select the desired system groups in the list Connected System Groups on the left side and move them to the list Available System Groups by clicking the arrow icon <. If you wish to move all available system groups to the list of the assigned system groups, click the double arrow icon >> between the lists. If you wish to move all assigned system groups to the list of the available system groups, click the double arrow icon << between the lists.
6	Confirm the input.

Assign System Groups and Queue Groups

.....
 You have entered all required data.



requirement

→ *Queue Data*, Seite 99

.....

This is how you assign queue groups via system groups:

assign via system groups



Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage System Groups
2	Select the desired system group in the list. For this click the name of the system group or the  button at the end of the line.
3	Select the Queue Groups tab to assign queue groups to the system group. This is below the information about the system group.
4	Click the  button above the list.
5	Select the desired queue groups in the list Available Queue Groups on the left side and move them to the list Connected Queue Groups by clicking the arrow icon >. If you wish to move all available queue groups to the list of the assigned queue groups, click the double arrow icon >> between the lists.
6	Confirm the input.

..... *To be continued*

Assign System Groups and Queue Groups, Continuation

assign via queue groups

This is how you assign system groups via queue groups:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queue Groups
2	Select the desired queue group in the list. For this click the name of the queue group or the  button at the end of the line.
3	Select the System Groups tab to assign system groups to the queue group. This is below the information about the queue group.
4	Click the  button above the list.
5	Select the desired system groups in the list Available System Groups on the left side and move them to the list Connected System Groups by clicking the arrow icon >. If you wish to move all available system groups to the list of the assigned system groups, click the double arrow icon >> between the lists.
6	Confirm the input.

Change Assignments for System Groups and Queue Groups

You are logged on to easyPRIMA as an administrator:

requirement



→ *Log on to the System, Seite 40*

You may change the assignments of system groups and queue groups via system groups or via queue groups.

description

This is how you change the assignments of queue groups via system groups:

assign via system groups



Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage System Groups
2	Select the desired system group in the list. For this click the name of the system group or the  button at the end of the line.
3	Select the Queue Groups tab to change the assignments to the queue groups. This is below the information about the system group.
4	Click the  button above the list.
5	Select the desired queue groups in the list Available Queue Groups on the left side and move them to the list Connected Queue Groups by clicking the arrow icon >. Or select the desired queue groups in the Connected Queue Groups list on the left side and move them to the Available Queue Groups list by clicking the arrow icon <. If you wish to move all available queue groups to the list of the assigned queue groups, click the double arrow icon >> between the lists. If you wish to move all assigned queue groups to the list of the available queue groups, click the double arrow icon << between the lists.
6	Confirm the input.

To be continued

Change Assignments for System Groups and Queue Groups, Continuation

assign via queue groups

This is how you change the assignments of system groups via queue groups:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queue Groups
2	Select the desired queue group in the list. For this click the name of the queue group or the  button at the end of the line.
3	Select the System Groups tab to change the assignments to the system groups. This is below the information about the queue group.
4	Click the  button above the list.
5	Select the desired system groups in the list Available System Groups on the left side and move them to the list Connected System Groups by clicking the arrow icon >. Or select the desired system groups in the list Connected System Groups on the left side and move them to the list Available System Groups by clicking the arrow icon <. If you wish to move all available system groups to the list of the assigned system groups, click the double arrow icon >> between the lists. If you wish to move all assigned system groups to the list of the available system groups, click the double arrow icon << between the lists.
6	Confirm the input.

Assign Particular Queue Groups and Queues

.....
 You have imported the queues:

requirement

→ *Importing Queues - General, Seite 124*

.....



You have to add the assignments of queue groups and queues. From which side the assignment is made is not important.

.....

description

This is how you assign a queue to queue groups:

assign via queue groups



Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queue Groups
2	Select the desired queue group in the list. For this click the name of the queue group or the  button at the end of the line.
3	Select the Queues tab to assign queues to the queue group. This is below the information about the queue group.
4	Click the  button above the list.
5	Select the desired queues in the list Available Queues on the left side and move them to the list Connected Queues by clicking the arrow icon >. If you wish to move all available queues to the list of the assigned queues, click the double arrow icon >> between the lists.
6	Confirm the input.

..... *To be continued*

Assign Particular Queue Groups and Queues, Continuation

assign via queues

This is how you assign a queue group to queues:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queues
2	Select the desired queue in the list. For this click the name of the queue or the  button at the end of the line.
3	Select the Queue Groups tab to assign queue groups to the queue. This is below the information about the queue.
4	Click the  button above the list.
5	Select the desired queue groups in the list Available Queue Groups on the left side and move them to the list Connected Queue Groups by clicking the arrow icon >. If you wish to move all available queue groups to the list of the assigned queue groups, click the double arrow icon >> between the lists.
6	Confirm the input.

Assign Several Queue Groups and Queues

You have imported the queues:

requirement



→ *Importing Queues - General, Seite 124*

You have to add the assignments of queue groups and queues. From which side the assignment is made is not important.

description



This is how you assign several queues to queue groups:

assign via queue groups

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queue Groups
2	Select the desired queue groups in the list.
3	Click the  button above the list. The list of queues is opened.
4	Select the desired queues in the list.
5	Click the  button above the list. The assignment is saved.

This is how you assign several queue groups to queues:

assign via queues



Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queues
2	Select the desired queues in the list.
3	Click the  button above the list. The list of queue groups is opened.
4	Select the desired queue groups in the list.
5	Click the  button above the list. The assignment is saved.

Change Assignments for Queues and Queue Groups

requirement → *Log on to the System, Seite 40*

description You may make the assignment of queues and queue groups via queues or via queue groups.

assign via queues This is how you change the assignments via queues:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queues
2	Select the desired queue in the list. For this click the name of the queue or the  button at the end of the line.
3	Select the Queue Groups tab to change the assignments to the queue groups. This is below the information about the queue.
4	Click the  button above the list.
5	Select the desired queue groups in the list Available Queue Groups on the left side and move them to the list Connected Queue Groups by clicking the arrow icon >. Or select the desired queue groups in the Connected Queue Groups list on the left side and move them to the Available Queue Groups list by clicking the arrow icon <. If you wish to move all available queue groups to the list of the assigned queue groups, click the double arrow icon >> between the lists. If you wish to move all assigned queue groups to the list of the available queue groups, click the double arrow icon << between the lists.
6	Confirm the input.



..... *To be continued*

Change Assignments for Queues and Queue Groups, Continuation

.....

This is how you change the assignments via queue groups:

assign via queue groups

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queue Groups
2	Select the desired queue group in the list. For this click the name of the queue group or the  button at the end of the line.
3	Select the Queues tab to change the assignments to the queue. This is below the information about the queue group.
4	Click the  button above the list.
5	Select the desired queues in the list Available Queues on the left side and move them to the list Connected Queues by clicking the arrow icon >. Or select the desired queues in the list Connected Queues on the left side and move them to the list Available Queues by clicking the arrow icon <. If you wish to move all available queues to the list of the assigned queues, click the double arrow icon >> between the lists. If you wish to move all assigned queues to the list of the available queues, click the double arrow icon << between the lists.
6	Confirm the input.

.....

Find Unassigned Systems

requirement

You have entered all required data.


→ *Queue Data*, Seite 99

description

If you enter several systems, but wish to make the assignments to the particular system groups in the end, or if you wish to check, whether assignments have been made for all systems, you may have displayed the unassigned systems in a list.

instructions

This is how you find unassigned queues:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Systems
2	Click the  button above the list. Unassigned systems will be displayed in a list.

Find Unassigned Queues

→ *Create Queues*, Seite 148


requirement

If you enter several queues, but wish to make the assignments to the particular queue groups in the end, or if you wish to check, whether assignments have been made for all queues, you may have displayed the unassigned queues in a list.

description

This is how you find unassigned queues:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queues
2	Click the  button above the list. Unassigned queues will be displayed in a list.

11 Queue Templates

in this chapter

This chapter deals with the following topics:

Topic	Page
Import Queue Templates	87
Using Customer-Specific Queue Templates	89
Import Queue Templates from Windows Print Servers	91
Add Windows Connectors	92
Import Preconfigured Driver Settings (DEVMODE)	93
Add Windows Driver Settings	94
Activate a Queue Template	95
Set a Default Queue Template	96
Deactivate Queue Templates	97
Delete Queue Templates	98


Import Queue Templates

You are logged on to easyPRIMA as an administrator:

→ *Log on to the System, Seite 40*

requirement

You have to import the queue templates before the queues, as the queues are assigned to already existing queue templates during the import procedure, if possible. If no appropriate queue template is available, you have to create a queue template manually. Queues to which no queue template is assigned cannot be exported afterwards.

 **Caution** - queue templates before the queues

The queue templates have to be stored in the installation directory of easyPRIMA in the following directory:


server\edc\templates

basis directory for queue templates

In this basis directory a separate subdirectory, in which the driver files are stored, needs to be existing for every queue template.

You may use your own queue templates:

→ *Using Customer-Specific Queue Templates, Seite 89*

 hint - own queue templates:

You may import Windows native printers as templates in easyPRIMA if they are installed in the same systems in which easyPRIMA is running.

 hint - Windows native printers

For importing queue templates easyPRIMA uses a CSV file, in which the brand, models and templates are already assigned. These assignments are saved in easyPRIMA with the templates.

CSV file

The provided CSV file is stored in the following directory:

server\edc\conf\templates.csv

directory for the CSV file

You define the directory, in which the customer-specific CSV file is stored, by the environment variable *SEAL_CUSTOMDIR*.

customer-specific CSV file

..... *To be continued*

Import Queue Templates, Continuation

instructions

.....
This is how you import queue templates:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Configure
2	Click the Update button in the Queue Templates section. The import is started. After the import is finished, a list of the imported queues and a link to the log file is displayed.

later updates


.....
You may update the queue templates any time, if you have saved new queue templates in the basis directory.
.....

Using Customer-Specific Queue Templates

.....
 If you wish to use your own queue templates, for each template you need to create a corresponding subdirectory in the customer-specific basis directory and save the driver files therein. After this you may import the queue templates.


description

You may use customer-specific queue templates also without the *SEAL_CUSTOMDIR* environment variable. Then you need to create the corresponding subdirectories in the standard basis directory and save the driver files therein. This may cause problems when updating.

 **Caution** - without environment variable

Below the use of own queue templates with the *SEAL_CUSTOMDIR* environment variable is described.

.....
 Queue templates that do no longer exist in the customer-specific main directory, are not deleted from the database.

 **Caution** - delete queue templates

..... *To be continued*

Using Customer-Specific Queue Templates, Continuation

instructions

This is how you integrate own queue templates:

Step	Action
1	Ensure that the <code>SEAL_CUSTOMDIR</code> environment variable is activated.
2	Create the customer-specific basis directory for the queue templates: <code>%SEAL_CUSTOMDIR%\server\edc\templates\</code>
3	In the customer-specific basis directory create a corresponding subdirectory for each customer-specific queue template: <code>%SEAL_CUSTOMDIR%\server\edc\templates\customer_queue-template_x\</code>
4	Save the customer-specific driver files in the corresponding subdirectory.
5	Copy any queue template that you use from the standard basis directory to your customer-specific basis directory: from: <code>server\edc\templates\</code> to: <code>%SEAL_CUSTOMDIR%\server\edc\templates\</code>
6	Copy the CSV file from the standard directory to your customer-specific directory: from: <code>server/edc/conf/templates.csv</code> to: <code>%SEAL_CUSTOMDIR%\server/edc/conf/templates.csv</code>
7	Add your customer-specific templates in the CSV file.
8	Import the queue templates: → <i>Import Queue Templates, Seite 87</i>

Import Queue Templates from Windows Print Servers

.....

You are logged on to easyPRIMA as an administrator:

requirement

→ *Log on to the System*, Seite 40



For each queue template to be imported you have set up a printer on a Windows print server.

The Windows print server is registered in easyPRIMA as a system.

.....

This is how you import queue templates for Windows:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Windows Templates
2	Click the  or  button above the list. A window with a list of registered Windows print servers is opened.
3	Select the desired Windows print server in the list and confirm the input.
4	Confirm the confirmation prompt with OK. The queue templates are imported from the specified Windows print server.

.....

Add Windows Connectors


requirement

You are logged on to easyPRIMA as an administrator:

→ *Log on to the System, Seite 40*

instructions

This is how you add a Windows Connector:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Connectors
2	Click the  button above the list.
3	Enter the required data of the Windows connector: → <i>Windows Connectors - Parameters, Seite 243</i>
4	Confirm the input.
5	Repeat the steps 2 to 4 for any other Windows connector.

Import Preconfigured Driver Settings (DEVMODE)

You have set up a reference printer in your Windows system.


requirement

You can import preconfigured driver settings (DEVMODE settings) in easyPRIMA. You may use these as reference settings for the export of queues to Windows systems.


description

This is how you import preconfigured driver settings for Windows:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Windows Drivers
2	Select the desired Windows driver in the list.
3	In the information view of the Windows driver, switch to the Driver Settings tab.
4	Click the  button above the list.
5	In the selection list of all Windows systems listed in easyPRIMA, select the desired Windows system and confirm with OK.
6	In the selection list of all printers installed in this system, select the desired printer and confirm the input.
7	In the text field enter a unique name, <i>your_name</i> , for the driver setting to be imported. This name is used for <ul style="list-style-type: none"> the subdirectory for the driver: ../server/edc/templates/windows/driver_name/your_name/ the imported files. Confirm the input and the import is started.
8	Confirm the notification after the finished import.

You can neither adjust nor rename imported driver settings.

 **Caution** - no changes

Add Windows Driver Settings


requirement

You are logged on to easyPRIMA as an administrator:

→ *Log on to the System, Seite 40*

instructions

This is how you add driver settings for Windows:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Windows Drivers
2	Select the desired Windows driver in the list.
3	In the information view of the Windows driver, switch to the Driver Settings tab.
4	Click the  button above the list.
5	Enter the required data of the Windows driver settings: → <i>Windows Driver Settings - Parameters, Seite 242</i>
6	Confirm the input.

Activate a Queue Template

You are logged on to easyPRIMA as an administrator:

requirement

→ *Log on to the System, Seite 40*

You have imported the queue templates:


→ *Import Queue Templates, Seite 87*

easyPRIMA activates the appropriate queue template of the device model automatically, when importing the queue templates. If you need more or another one, you have to activate these.

description

This is how you activate a queue template:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Configure
2	In the Device Models section, select the desired brand in the Available Brands selection list.
3	In the Available Models selection list, select the desired model.
4	Click the Activate Template button under the corresponding selection list. <ul style="list-style-type: none"> Available Templates for PLOSSYS netdome systems Available SAP Templates for SAP systems Available Windows Templates for Windows systems A small pop-up window is opened, in which the list of the installed queue templates is displayed.
5	Select one or more templates in the list and confirm the input. The pop-up window is closed and the template will be displayed in the Available Templates selection list. If you install a queue based on this model, the activated queue templates will be offered for selection.  Hint - preferred queue template: If you have activated several queue templates, one of which is to be used preferably, you may preset this queue template: → <i>Set a Default Queue Template, Seite 96</i>

Set a Default Queue Template

requirement

You are logged on to easyPRIMA as an administrator:

→ *Log on to the System, Seite 40*

description

If you have activated several queue templates, one of which is to be used preferably, you may preset this queue template. This will be used automatically, if no other queue template is explicitly selected, when installing a queue.

instructions

This is how you preset a queue template as default:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Configure
2	In the Device Models section, select the desired brand in the Available Brands selection list.
3	In the Available Models selection list, select the desired model.
4	In the Available Templates selection list, select the desired queue template.
5	Click the Set Selected Template as Default button under the Available Templates selection list.
6	Confirm the confirmation prompt with OK. The queue template will be preset and displayed in the list with an appropriate mark. The change is active at once.

Deactivate Queue Templates

You are logged on to easyPRIMA as an administrator:

requirement

→ *Log on to the System, Seite 40*

This is how you deactivate queue templates:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Configure
2	In the Device Models section, select the desired brand in the Available Brands selection list.
3	In the Available Models selection list, select the desired model.
4	In the Available Templates selection list, select the desired queue templates.
5	Click the Deactivate Selected Template button under the Available Templates selection list.
6	Confirm the confirmation prompt with ok. The queue templates will be deactivated and no longer be displayed in the list. The changes are active at once.

Delete Queue Templates

requirement

You are logged on to easyPRIMA as an administrator:

→ *Log on to the System, Seite 40*

directory

The queue templates have to be saved in the installation directory of easyPRIMA in the server\edc\templates directory. A separate subdirectory, in which the driver files are saved, needs to be existing there for every queue template.

instructions

This is how you delete a queue template:

Step	Action
1	Open the command prompt or shell of easyPRIMA.
2	Switch to the \server\edc\conf directory.
3	<p>Delete the subdirectory of the desired queue templates with all its files.</p> <p>The queue templates will no longer be displayed in the list of available queue templates.</p> <p>The change is active at once.</p>

12 Queue Data

.....
 You have imported the queue templates:

requirement

→ *Import Queue Templates, Seite 87*

.....
 You are not allowed to do the initial load and import the queues until the data basis is complete. The import of the queues is usually necessary only for the initial load, as easyPRIMA is regarded as the leading system, in which any change of the queues is made and subsequently exported.

initial load

.....
 After the queue data have been imported you may make the assignments between queue groups and queues.

assignment

.....
 This chapter deals with the following topics:

in this chapter

Topic	Page
Device-Specific Queue Data	100
System-specific Queue Data	110
Customer-Specific Queue Data	115

.....

12.1 Device-Specific Queue Data

in this chapter

This chapter deals with the following topics:

Topic	Page
Add Brands	101
Renaming a Brand	102
Deleting Brands	103
Add Device Models	104
Rename a Device Model	105
Delete Device Models	106
Add Media Sizes	107
Rename Media Sizes	108
Delete Media Sizes	109

Add Brands

.....
You are logged on to easyPRIMA as an administrator:

requirement

→ *Log on to the System, Seite 40*

You have imported the queue templates:

→ *Import Queue Templates, Seite 87*

.....
easyPRIMA identifies the appropriate brands when importing the queue templates. These are added to the list already. If you need more, you may add them.

description

.....
This is how you enter a brand:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Configure
2	In the Device Models section, click the Add Brand button under the Available Brands selection list. A small pop-up window is opened.
3	Enter the name of the brand in the text field and confirm the input. The pop-up window is closed and the department will be displayed as the selected element in the list box Available Departments.
4	Repeat the steps 2 to 3 for any other brand or continue with adding the models of the selected brand. → <i>Add Device Models, Seite 104</i>

Renaming a Brand

requirement

You are logged on to easyPRIMA as an administrator:

→ *Log on to the System, Seite 40*

instructions

This is how you change the name of a brand:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Configure
2	In the Device Models section, click the Rename Selected Brand button under the Available Brands selection list. A small pop-up window is opened.
3	Enter the new name of the brand in the text field and confirm the input. The pop-up window is closed and the brand will be displayed with its new name as the selected element in the Available Brands selection list.

Deleting Brands

.....
You are logged on to easyPRIMA as an administrator:

requirement

→ *Log on to the System, Seite 40*

.....
This is how you delete brands:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Configure
2	In the Device Models section, select the desired brands in the Available Brands selection list.
3	Click the Delete Selected Brands button under the Available Brands selection list.
4	Confirm the confirmation prompt with OK. The selected brand will be deleted. The changes are active at once.

.....

Add Device Models

requirement

You are logged on to easyPRIMA as an administrator:

→ *Log on to the System, Seite 40*

You have imported the queue templates:

→ *Import Queue Templates, Seite 87*

description

easyPRIMA identifies the appropriate device models when importing the queue templates. These are added to the list already. If you need more, you may add them.

instructions

This is how you enter device models:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Configure
2	In the Device Models section, select the desired brand in the Available Brands selection list.
3	Click the Add Model button under the Available Models selection list. A small pop-up window is opened.
4	Enter the name of the model in the text field and confirm the input. The pop-up window is closed and the model will be displayed as the selected element in the Available Models selection list.
5	Repeat the steps 2 to 4 or for any other model or continue with activating the desired queue templates → <i>Activate a Queue Template, Seite 95</i>

Rename a Device Model

.....
You are logged on to easyPRIMA as an administrator:

requirement

→ *Log on to the System, Seite 40*

.....
This is how you change the name of a device model:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Configure
2	In the Device Models section, select the desired brand in the Available Brands selection list.
3	Click the Rename Selected Model button under the Available Models selection list. A small pop-up window is opened.
4	Enter the new name of the model in the text field and confirm the input. The pop-up window is closed and the model will be displayed with its new name as the selected element in the Available Models selection list.

Delete Device Models

requirement

You are logged on to easyPRIMA as an administrator:

→ *Log on to the System, Seite 40*

instructions

This is how you delete a device model:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Configure
2	In the Device Models section, select the desired brand in the Available Brands selection list.
3	In the Device Models section, select the desired models in the Available Models selection list.
4	Click the Delete Selected Models button under the Available Models selection list.
5	Confirm the confirmation prompt with OK. The selected models will be deleted. The changes are active at once.

Add Media Sizes

.....
You are logged on to easyPRIMA as an administrator:


requirement

→ *Log on to the System, Seite 40*

.....
easyPRIMA already has listed the usual media sizes. If you need more, you may add them.

description

The new paper sizes have to be existent in the target systems as well. You have to define the media sizes there separately, if necessary. These will not be exported by easyPRIMA.

 **Caution** -
media sizes in
systems

.....
This is how you add media sizes:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Configure
2	Click the Add Media Format button under the Available Media Formats selection list in the Media Formats section. A small pop-up window is opened.
3	Enter the media size in the text field and confirm the input. The pop-up window is closed and the media size will be displayed as the selected element in the Available Media Formats selection list.

Rename Media Sizes

requirement

You are logged on to easyPRIMA as an administrator:

→ *Log on to the System, Seite 40*



Caution -
media sizes in
systems

The media sizes have to be existent with their new names in the target systems as well. You have to rename them separately there, if necessary. These will not be exported by easyPRIMA.

instructions

This is how you change the name of a media size:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Configure
2	Select the desired media size in the Available Media Formats selection list in the Media Formats section.
3	Click the Rename Selected Media Format button under the Available Media Formats selection list in the Media Formats section. A small pop-up window is opened.
4	Enter the new name of the media size in the text field and confirm the input. The pop-up window is closed and the media size will be displayed with its new name as the selected element in the Available Media Formats selection list.

Delete Media Sizes

.....
You are logged on to easyPRIMA as an administrator:

requirement

→ *Log on to the System, Seite 40*

.....
This is how you delete a media size:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Configure
2	Select the desired media size in the Available Media Formats selection list in the Media Formats section.
3	Click the Delete Selected Media Format button under the Available Media Formats selection list in the Media Formats section.
4	Confirm the confirmation prompt with OK. The selected media sizes will be deleted. The changes are active at once.

.....

12.2 System-specific Queue Data

in this chapter

This chapter deals with the following topics:

Topic	Page
Adding Pool Device Parameters	111
Adding SAP Parameters	112
Adding SEAL APW Parameters	113
Adding Windows Parameters	114

Adding Pool Device Parameters

.....
You are logged on to easyPRIMA as an administrator:

requirement

→ *Log on to the System, Seite 40*

.....
easyPRIMA has enclosed standard queue parameters:

description

→ *Queue - Mandatory Parameters, Seite 212*

→ *Queue - Optional Parameters, Seite 215*



Depending on your systems you might need further parameters. You may add a range of system-specific parameters automatically.

If the parameters you need are not included in the automatic extension, you may add them as customer-specific parameters:

→ *Add Customer-Specific Parameters, Seite 116*

.....
This is how you add additional pool device parameters:

Adding Pool Device Parameters

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queue Parameters
2	Click the  button above the list.
3	Confirm the confirmation prompt with OK. The available pool device parameters will be added automatically.  Hint - list of parameters: → <i>Additional Pool Device Parameters, Seite 225</i>

Adding SAP Parameters

requirement

You are logged on to easyPRIMA as an administrator:

→ *Log on to the System, Seite 40*

description

easyPRIMA has enclosed standard queue parameters:

→ *Queue - Mandatory Parameters, Seite 212*

→ *Queue - Optional Parameters, Seite 215*



Depending on your systems you might need further parameters. You may add a range of system-specific parameters automatically.

If the parameters you need are not included in the automatic extension, you may add them as customer-specific parameters:

→ *Add Customer-Specific Parameters, Seite 116*

Adding SAP Parameters

This is how you add additional SAP parameters:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queue Parameters
2	Click the SAP logo on the left side under the initially empty table.
3	<p>Confirm the confirmation prompt with OK. The available SAP parameters will be added automatically.</p> <p> Hint - list of parameters: → <i>Additional SAP Parameters, Seite 226</i></p> <p> Caution - standard parameters only: The automatic import adds the SAP default parameters which you find in the list referenced above. If you need more SAP-specific parameters, you may add them as customer-specific parameters.</p>

Adding SEAL APW Parameters

.....
You are logged on to easyPRIMA as an administrator:

requirement

→ *Log on to the System, Seite 40*

.....
easyPRIMA has enclosed standard queue parameters:

description

→ *Queue - Mandatory Parameters, Seite 212*

→ *Queue - Optional Parameters, Seite 215*



Depending on your systems you might need further parameters. You may add a range of system-specific parameters automatically.

If the parameters you need are not included in the automatic extension, you may add them as customer-specific parameters:

→ *Add Customer-Specific Parameters, Seite 116*

.....
This is how you add additional SEAL APW parameters:

Adding SEAL
APW Parameters

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queue Parameters
2	Click the  button above the list.
3	Confirm the confirmation prompt with OK. The available SEAL APW parameters will be added automatically.  Hint - list of parameters: → <i>Additional SEAL APW Parameters, Seite 230</i>

Adding Windows Parameters

requirement

You are logged on to easyPRIMA as an administrator:
→ *Log on to the System, Seite 40*

description


easyPRIMA has enclosed standard queue parameters:
→ *Queue - Mandatory Parameters, Seite 212*
→ *Queue - Optional Parameters, Seite 215*

Depending on your systems you might need further parameters. You may add a range of system-specific parameters automatically.

If the parameters you need are not included in the automatic extension, you may add them as customer-specific parameters:
→ *Add Customer-Specific Parameters, Seite 116*

Adding Windows Parameters

This is how you add additional Windows parameters:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queue Parameters
2	Click the Windows logo on the left side under the initially empty table.
3	Confirm the confirmation prompt with OK. The available Windows parameters will be added automatically.  Hint - list of parameters: → <i>Additional Windows Parameters, Seite 232</i>

12.3 Customer-Specific Queue Data

This chapter deals with the following topics:

in this chapter

Topic	Page
Add Customer-Specific Parameters	116
Delete Customer-Specific Parameters	117
Change Settings of Particular Parameters	118
Change Settings of Several Parameters	119
Add a Customer-Specific Language File	120

Add Customer-Specific Parameters

requirement

You are logged on to easyPRIMA as an administrator:

→ *Log on to the System, Seite 40*

description


easyPRIMA has enclosed standard queue parameters:

→ *Queue - Mandatory Parameters, Seite 212*

→ *Queue - Optional Parameters, Seite 215*

If you need further parameters, you have to insert them in customer-specific queue templates, if they are to be the same for all queues using this queue template, or you have to add them in the form of customer-specific parameters in easyPRIMA, if they are to be configurable for separate queues.


You may add own parameters or automatically add SAP-specific, pool device-specific or Windows-specific parameters.

 hint - export to PLOSSYS 5 systems

If you want to use customer-specific parameters in PLOSSYS 5 systems, you have to assign them to the PLOSSYS tab and mark as Relevant for PLOSSYS 5.

add own parameters

This is how you enter customer-specific parameters:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queue Parameters
2	Click the  button above the list.
3	Enter the required data of the parameter. The data to be entered depends on the selected data type and view type. → <i>Customer-Specific Parameters - Mandatory, Seite 235</i> → <i>Customer-Specific Parameters - Optional, Seite 237</i>
4	Confirm the input.
5	Repeat the steps 2 to 4 for any other parameter.

Delete Customer-Specific Parameters

.....
You are logged on to easyPRIMA as an administrator:

requirement


→ *Log on to the System, Seite 40*

.....
Own parameters, additional SAP-specific and additional Pool device parameters are changed in the same way.

description

.....
This is how you delete customer-specific parameters:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queue Parameters
2	Find the desired parameter in the list and click the  button at the end of the line.
3	Confirm the confirmation prompt with OK. The parameter will be deleted. The changes are active at once. The parameter can no longer be adjusted and also will no longer be displayed in queues in which it has been used.

Change Settings of Particular Parameters


requirement

You are logged on to easyPRIMA as an administrator:

→ *Log on to the System, Seite 40*

description


You may adjust the settings of your own customer-specific parameters as needed. Only the parameter name is excluded here.

 **Caution** -
customer-specific
parameters
only

Only to a limited extent you are allowed to make changes on additional SAP- and Windows-specific parameters and the additional pool device parameters.

instructions

This is how you change particular customer-specific parameters:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queue Parameters
2	Find the desired parameter in the list and click the  button at the end of the line.
3	Change the required data of the parameter: → <i>Customer-Specific Parameters - Mandatory, Seite 235</i> → <i>Customer-Specific Parameters - Optional, Seite 237</i>
4	Confirm the input. Changes concerning the displaying of the parameter are active at once. Changes concerning the queue data, have to be adjusted in the queue data.

Change Settings of Several Parameters

You are logged on to easyPRIMA as an administrator:


requirement

→ *Log on to the System, Seite 40*

You may adjust the settings of your own customer-specific parameters as needed. Only the parameter name is excluded here.


description

Only to a limited extent you are allowed to make changes on additional SAP- and Windows-specific parameters and the additional pool device parameters.

 **Caution** - customer-specific parameters only

This is how you change several customer-specific parameters:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queue Parameters
2	Select the desired parameters in the list and click the  button above the parameter list.
3	Activate the check box of those settings you wish to change. Only settings with activated check box are stored in the database.
4	Change the required data of the parameters: → <i>Customer-Specific Parameters - Mandatory, Seite 235</i> → <i>Customer-Specific Parameters - Optional, Seite 237</i>
5	Confirm the input. Changes concerning the displaying of the parameter are active at once. Changes concerning the queue data, have to be adjusted in the queue data.

Add a Customer-Specific Language File

requirement

You are logged on to easyPRIMA as an administrator:

→ *Log on to the System*, Seite 40

You have added customer-specific parameters:

→ *Add Customer-Specific Parameters*, Seite 116



description

If you use own parameters that are neither SAP- nor pool device-specific, and which are to be displayed in the user interface with other display texts than the parameter name, you have to provide them in a customer-specific language file.

Display texts for SAP- and pool device-specific parameters are already included in the default language file.

instructions


This is how you enter display texts for customer-specific parameters:

Step	Action
1	Open the command prompt or shell of easyPRIMA.
2	Switch to the following directory: tools/sepper1/language/edc_customer  Caution - changes in this directory only: Enter customer-specific parameters and display texts only in the language file in this directory. The default language file will be overwritten by a version update.
3	Open the following file in an editor: de.pm
4	Enter the customer-specific parameters with the appropriate display texts within the curly brackets as follows: <i>parameter name => "display text"</i>  Caution - within the curly brackets: This language file is a Perl module and not a pure text file. Therefore you must enter the parameters and display texts within the curly brackets.
5	Save the file and exit.


..... *To be continued*

Add a Customer-Specific Language File, Continuation

.....
You may add customer-specific language files for any language by copying the file with the extension `.tpl` and renaming it *Language_abbreviation.pm*, for example `fr.pm` for French.
.....

 hint - other languages

PPD Files

requirement	<p>You are logged on to easyPRIMA as an administrator: → <i>Log on to the System</i>, Seite 40</p>
description	<p>PLOSSYS 5 requires PPD files to scale and rotate outputs. You may select the desired PPD file in easyPRIMA as queue parameter.</p>
exporting PPD files	<p>If you have specified a PPD file for a queue, it will be transferred to a PLOSSYS 5 system following the actual queue export. If a queue export contains several PPD files, these will be transferred altogether following the export.</p>
customer-specific PPD files	<p>Customer-specific PPD files are offered for selection as well, and displayed in the selection list ahead of the standard PPD files. Customer-specific PPD files are treated preferentially. If identically named PPD files exist in the standard and the customer-specific directory,</p> <ul style="list-style-type: none"> • only the PPD file from the customer-specific directory is displayed in the selection list. • only the customer-specific PPD file is exported. <p>Upper and lower case are ignored here.</p>
directories	<p>The standard PPD files are stored in the following directory: %PLSSV%/edc/templates/ppd You have to store customer-specific files in the following directory: %SEAL_CUSTOMDIR%/server/edc/templates/ppd</p>
 hint - updating PPD files	<p>For the display in the selection list, the PPD files are read directly from the corresponding directory. If new PPD files are added in the directory, these are available in the selection list immediately.</p>

13 Importing Queues

.....
This chapter deals with the following topics:

in this chapter

Topic	Page
Importing Queues - General	124
Importing Queues Directly	126
Importing Queues with Preview	128
Importing Queues by CSV File	130
Parameter Specifics at the Import via CSV File	134

Importing Queues - General

Requirement

You have imported the queue templates:

→ *Import Queue Templates, Seite 87*

You have added customer-specific parameters:

→ *Add Customer-Specific Parameters, Seite 116*

Parameters that are neither known in easyPRIMA nor included in customer-specific queue templates, are getting lost when importing.

You have defined mapping rules for the importing of queues, if necessary:

→ *Adjusting the easyPRIMA Configuration, Seite 36*

description


After you have added the different devices, you may start the initial load and import the queues. You may import them directly or use the import with preview. You have the following alternatives to start the import:

import via system group

- import via system group
When importing via system group you may import queues from several systems in one go. The more homogeneous the systems are concerning the queue names, the easier is it, to save steps this way.

Import via system

- Import via system
When importing via a single system the number of imported queues stays more manageable than when importing via system groups. This method is advisable, if the systems are very large or if extensive manual adjustments of the imported queue data have to be made.

 **Caution** - repeated import:

easyPRIMA is regarded as the leading system, in which all queues are managed. Changes are to be made explicitly here and subsequently exported to the appropriate systems. For this reason only a one-time import of a queue via system or system group is intended in the settings. If you wish to import the same queue from several systems, you have to modify the configuration:

→ *UPDATE_QUEUES_IN_DB, Seite 302*

..... *To be continued*

Importing Queues - General, Continuation

When importing from SAP systems you have to consider the following:

- Because of interface restrictions it is not possible to correctly determine the tray mounting. For this reason the tray number 1 is the default set for all queues. If you need the exact tray mounting, you may determine it during the import, see *UPDATE_QUEUES_IN_DB*, Seite 302.


Because of interface restrictions, it is presently not possible to correctly import Unicode characters that are not displayable in ISO 8859-1. These data has to be corrected manually in easyPRIMA.


Queue names may contain the following characters:


- Upper case letters A-Z
- Lower case letters a-z
- Digits 0-9
- The special characters _ : - . +
- Space

Any other characters will be replaced by underline _ during the import.

If queues, the names of which contain space characters, are exported to PLOSSYS netdome systems, the space characters will be replaced by underlines.

 **Caution** - import from SAP systems



 **hint** - permitted characters in queue names

 **Caution** - PLOSSYS netdome

Importing Queues Directly

Requirement → *Importing Queues - General, Seite 124*

direct import via system group This is how you import queues via system group:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage System Groups
2	Find the desired system group in the list and click the  button at the end of the line.
3	Confirm the query. The import is started. After the import is finished, the results and a link to the log file is displayed.  Hint - manual modifications: Maybe, after the import you will have to adjust some queue data manually: → <i>Change Queues, Seite 152</i>



..... *To be continued*

Importing Queues Directly, Continuation

.....

This is how you import queues via a system:

direct import via
system

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Systems
2	Find the desired system in the list and click the  button at the end of the line.
3	Confirm the query. The import is started. After the import is finished, the results and a link to the log file is displayed.  Hint - manual modifications: Maybe, after the import you will have to adjust queue data manually: → <i>Change Queues, Seite 152</i>

.....



Importing Queues with Preview

Requirement

→ *Importing Queues - General, Seite 124*

import with pre-
view via system
group

This is how you import queues via system group:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage System Groups
2	Find the desired system group in the list and click the  button at the end of the line.
3	Confirm the query. The data compilation will be started. After the data compilation is finished, the data will be listed in a table. You may now check them and make adjustments, if necessary.
4	Click the Execute Import button above the list. The import is started. After the import is finished, the results and a link to the log file is displayed.  Hint - more extensive modifications: If you need to make more extensive modifications to the queue data, you may first save the data in a CSV file, in which you can continue processing them. → <i>Importing Queues by CSV File, Seite 130</i>



..... *To be continued*

Importing Queues with Preview, Continuation

.....

This is how you import queues via a system:

import with pre-
view via system

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Systems
2	Find the desired system in the list and click the  button at the end of the line.
3	Confirm the query. The data compilation will be started. After the data compilation is finished, the data will be listed in a table. You may now check them and make adjustments, if necessary.
4	Click the Execute Import button above the list. The import is started. After the import is finished, the results and a link to the log file is displayed.  Hint - more extensive modifications: If you need to make more extensive modifications to the queue data, you may first save the data in a CSV file, in which you can continue processing them. → <i>Importing Queues by CSV File, Seite 130</i>

.....

Importing Queues by CSV File

Requirement

.....
→ *Importing Queues - General*, Seite 124
.....

naming

.....
The name of the CSV file is given automatically and contains the name of the systems or system group, from which the import has been started.
.....

Directory

.....
The CSV file is stored in the following directory:
\\data\edc
.....

structure of the CSV file

.....
You define how the CSV file is structured and which queue parameters it contains in the `edc.cfg` configuration file in the [CSV] and [CSV\PARAMETERS] sections:
.....

→ *[CSV] Section*, Seite 260

→ *[CSV\PARAMETERS] Section*, Seite 264
.....

notation

.....
The following parameters are synchronized with those existing in easyPRIMA in a case-insensitive way:

- devicemodel
- devicebrand
- devicetemplate
- saptemplate
- windowstemplate

..... *To be continued*

Importing Queues by CSV File, Continuation

.....
 If a value is passed for a parameter, this value is verified.

- If the value is in the range of the particular parameter, it is saved in the database and overwrites an already existing value.
- If the value does not match the range of the particular parameter, the value is handled as an empty value and in the summary of the import results an appropriate warning is output.

validation and
 priority of the
 values

If there is no value passed for a parameter and there is already a value existing in the database, this value remains unchanged. In this case in the summary of the import results no message is output.


If for a parameter there is neither a value passed on nor set in the database, it is searched for a default, which is used. If there is no default, the value remains empty and a corresponding warning is output in the summary of the import results.

.....
 Independent of the way you process the data in the CSV file, you always must overwrite the original file when saving the modified data.

further process-
 ing

If you wish to process the CSV file by Microsoft Excel, you must save the changed file with the following file type:

CSV (Comma delimited)

 **Caution** - fur-
 ther processing
 by Excel


If you do not explicitly specify this data type, Excel will save the data in an incorrect format and they will be unusable for easyPRIMA.

..... *To be continued*

Importing Queues by CSV File, Continuation

import by CSV
file via system
group

.....
This is how you import queues via system group:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage System Groups
2	Find the desired system group in the list and click the  button at the end of the line.
3	Confirm the query. The data compilation will be started. After the data compilation is finished, the data will be listed in a table.
4	Click the Import into CSV File button above the list. The data will be saved in a CSV file.
5	Modify the data according to your requirements and save the CSV file.
6	Click the Import <i>file_name</i> in DB button above the list. The import is started. After the import is finished, the results and a link to the log file is displayed.


..... *To be continued*

Importing Queues by CSV File, Continuation

.....

This is how you import queues via a system:

import by CSV
file via system



Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Systems
2	Find the desired system group in the list and click the  button at the end of the line.
3	Confirm the query. The data compilation will be started. After the data compilation is finished, the data will be listed in a table.
4	Click the Import into CSV File button above the list. The data will be saved in a CSV file.
5	Modify the data according to your requirements and save the CSV file.
6	Click the Import <i>file_name</i> in DB button above the list. The import is started. After the import is finished, the results and a link to the log file is displayed.

.....

Parameter Specifics at the Import via CSV File

Requirement You have defined the appropriate columns for the CSV file in the edc.cfg:
 → [CSV\PARAMETERS] Section, Seite 264

queue parameters When importing via CSV file you have to consider certain specifics concerning the following parameters:

Parameters	Description
group	Assigns the queue to the queue group specified in the column as value. If the queue group is unknown in easyPRIMA, it is added.
marked_for_deletion	Sets or removes a deletion flag for the selected queue.  Caution - reimport If you reimport a queue that is marked for deletion without a deletion flag, it is restored automatically and a warning is written into the log file. Values: N,n,0 A potentially existing deletion flag is removed when importing. J,j,Y,y,1 The queue is marked for deletion.
SAP_OM_PADEST	Generates the value for the SAPSPOOL short name automatically during the import, if in the column there is not already specified a value.  Caution - activation required You have to activate the automatic generation: → GENERATE_SAP_OM_PADEST_AT_IMPORT, Seite 322

14 Export Queues

.....
This chapter deals with the following topics:

in this chapter

Topic	Page
Standard Export Behavior - General	136
Standard Export Behavior - SAP Systems	137
Exported Files	138
Modify the Export Properties	139
Export Queues	140

Standard Export Behavior - General

description

easyPRIMA is regarded as the leading system, in which all queues are managed. You are advised to make changes explicitly here and then export them to the corresponding systems.

Depending on the way you start the exporting process the export leads to different results. If you start the exporting process for example via systems or system groups a system cleanup is done.

standard export properties

easyPRIMA behaves as follows when exporting:

Queue in easyPRIMA	Queue in the Target System	Export via	export behavior
X	X	system groups systems queue groups queues	The queue is updated.
X	-	system groups systems queue groups queues	The queue is added.
-	X	system groups systems	The queue is deleted.
-	X	queue groups queues	The queue is ignored.
Marked for deletion	X	system groups systems Deleted queues	The queue is deleted.
		queue groups queues	The queue is ignored.

Standard Export Behavior - SAP Systems

When exporting to SAP Systems you need to consider additional conditions.

description

easyPRIMA behaves during the export to SAP systems according to the parameter settings:

standard export properties

SAP_EXPORT_WITHOUT_LOMS = Y (default):

LOMS in Queue Data	LOMS in System Data	export behavior
-	-	The queue is exported.
LOMS_1	LOMS_2	The queue is ignored.

SAP_EXPORT_WITHOUT_LOMS = N:

LOMS in Queue Data	LOMS in System Data	export behavior
X	-	The queue is exported.
-	X	The queue is exported.
LOMS_1	LOMS_1	The queue is exported.
LOMS_1	LOMS_2	The queue is ignored.

SAP_EXPORT_WITHOUT_DEST = N (default):

LOMS in Queue Data	LOMS in System Data	export behavior
-	-	The queue is ignored.

SAP_EXPORT_WITHOUT_DEST = Y:

LOMS in Queue Data	LOMS in System Data	export behavior
-	-	The queue is exported globally to the SAP system.

easyPRIMA supports the SNC encryption. If you have activated Secure Network Communications, the corresponding parameters are written into the `saprfc.ini` file.

SNC encryption

You will find further information in [SAP_BASECONF_SNC_TEC]

 reference

Exported Files

PLOSSYS net-
dome

.....
The export of queues to PLOSSYS netdome systems includes all files belonging to the queue templates and all PLOSSYS netdome printer driver files. This includes

- Output scripts
- P2P configuration files
- DB files
- Printer configuration files independent of them containing customer-specific changes.

All these files will be overwritten in the target systems during the export.
.....

Modify the Export Properties

After you have finished the assignments for the queues, you may adjust the export properties. However, this is necessary only, if the standard export properties do not answer your requirements.

description

You can change the export behavior via:

- system parameters in the user interface
→ *System Cleanup for Queues*, Seite 199
→ *Delete printers without LOMS*, Seite 207
- the `edc.cfg` configuration file
→ *[SETTING] Section*, Seite 324

changing possibilities

This is how you adjust the export behavior in the `edc.cfg` configuration file:

instructions

Step	Action
1	Open the command prompt or shell of easyPRIMA.
2	Switch to the <code>\server\edc\conf</code> directory.
3	Open the <code>edc.cfg</code> file in a text editor.
4	Change the desired parameters according to your requirements. → <i>[SETTING] Section</i> , Seite 324
5	Save the configuration file and exit.


Export Queues

requirements


- You have the appropriate access rights to carry out the export. Usually, these are the access rights of an administrator.
- The systems, to which you wish to export, are running.
- The firewalls allow accessing:
→ *System-independent Preparations*, Seite 25
- The defined export behavior matches your needs:
→ *Modify the Export Properties*, Seite 139

description


If in easyPRIMA you have created new queues, changed existing queues or marked queues for deletion that are no longer needed, you have to export the changes to the separate systems so they will be effective.

 **Caution** - export to PLOSSYS netdome systems


If you export queues to a PLOSSYS netdome system, the exported configuration changes are active immediately only, if the queue is not processing jobs at the time of the export. Queues that are processing jobs at the time of the export, need to be stopped and restarted.

 **Caution** - UTF-8 characters in PLOSSYS netdome 4.7.0


If you export queues to PLOSSYS netdome 4.7.0 systems, in rare cases particular Cyrillic, Chinese and Japanese UTF-8 characters are not decoded correctly. In this case, deactivate the rereading of the plossys.cfg:
→ *EXPORT_ISCLI_QUEUE_LIMIT*, Seite 268

 **hint** - export to SAP systems

If you export queues to SAP system, the queue configuration existing in the system is backed up automatically. In case of problems occurring with the new queue configuration, you may restore the old queue configuration by means of the /seal/oms_impexp transaction.

 **further information**

The /seal/oms_impexp transaction is part of SAP. How you start this transaction is described in [SAP_OMS_TEC].

 **Caution** - device classes in SAP systems

You can only export queues of the Normal Printer device class into SAP systems.

When importing queues from SAP systems additional values for the PAARCHIVER parameter, i. e. the device class, are stored in easyPRIMA. But these values are not supported by easyPRIMA. If you set another value than Normal Printer, the queue will no longer be exported to SAP systems.

..... *To be continued*


Export Queues, Continuation

.....
 The export may be carried out via system groups, systems, queue groups or as well for single queues. Which of these procedures you should select, depends firstly on the extent of the changes and secondly on whether you wish to clean up the systems:

export options


- If only a single or a few queues are affected, it will be sufficient to export these.
- If the queues of a special system are affected, you should carry out the export via this system.
- If the queues belong to several systems, the export via a system group or queue group may be reasonable.
- If you wish to have the systems cleaned up, i. e. the queues that have been created in the systems by other applications than easyPRIMA are to be deleted, you have to carry out the export via system groups or systems in either case.

When exporting via systems and system groups a system cleanup is done, e. g. queues that are not registered in easyPRIMA are deleted from the systems.

 **Caution** - queues are deleted

The procedures for the different options are described in the following.

.....
 You may use the search function above the queue list for selecting the queues.

 **hint** - using the search function:


→ *Mark Queues for Deletion*, Seite 153

..... *To be continued*

Export Queues, Continuation

export vial
queues

.....
This is how you export via queues:




Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queues
2	Select the desired queues in the list and click the  button above the list. A window with the list of assigned systems is opened.
3	Select the desired systems in the list and confirm the input. Then all selected queues are exported to the selected systems.

..... *To be continued*

Export Queues, Continuation

.....
 This is how you export via queue groups:

export via queue
groups




Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queue Groups
2	Select the desired queue group in the list and click the  button at the end of the line.
3	Confirm the confirmation prompt with OK. The appropriate queues are exported to all systems, they belong to.
4	Repeat the steps 2 to 3 for any other queue group.  Hint - several queue groups: If you wish to export a larger number of queues in several queue groups, you may use the  button above the list. Then all queues are exported to the appropriate systems.

..... *To be continued*

Export Queues, Continuation

export via systems

.....
This is how you export via systems:




Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Systems
2	Select the desired system in the list and click the  button at the end of the line.
3	Confirm the confirmation prompt with OK. The appropriate queues will be exported to the system. The systems are cleaned up.
4	Repeat the steps 2 to 3 for any other system.  Hint - several systems: If you wish to export a larger number of queues in several systems, you may use the  button above the list. Then all queues are exported to the appropriate systems.

..... *To be continued*

Export Queues, Continuation

.....
 This is how you export via system groups:

export via sys-
 tem groups




Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage System Groups
2	Select the desired system group in the list and click the  button at the end of the line.
3	Confirm the confirmation prompt with OK. The appropriate queues are exported to all systems, they belong to. The systems are cleaned up.
4	Repeat the steps 2 to 3 for any other system group.  Hint - several system groups: If you wish to export a larger number of queues in several system groups, you may use the  button above the list. Then all queues are exported to the appropriate systems.

..... *To be continued*

Export Queues, Continuation

export via deleted queues

.....
This is how you export via deleted queues:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Deleted Queues
2	Select the desired queue in the list and click the  button at the end of the line.
3	Confirm the confirmation prompt with OK. The queue will be deleted from all systems, it belongs to.
4	Repeat the steps 2 to 3 for any other queue.  Hint - several queues: If you wish to delete a larger number of queues, you can select them and use the  button above the list. Then all queues are deleted from the appropriate systems.

15 Managing Queues

.....
 This chapter describes how you work with easyPRIMA as a normal user.

description

.....
 The following table gives an overview about the separate applications, which are available for you as a standard user:

in this chapter






Topic	Page
Create Queues	148
Generating SAP Queue	149
Set up Virtual Queues	150
Change Queues	152
Mark Queues for Deletion	153
Restore Queues Marked for Deletion	154
Delete Queues from easyPRIMA	155
Remove Queues from the Systems	156
Use the Search Function	157

.....

Create Queues

Requirement → *Log on to the System, Seite 40*

instructions This is how you add a new queue:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queues
2	Click the  button above the list.
3	Enter the required data of the queue: → <i>Queue - Mandatory Parameters, Seite 212</i> → <i>Queue - Optional Parameters, Seite 215</i>
4	Confirm the input.  Caution - assignments to queue groups: The new queue has to be assigned to at least one queue group, in order that it can be exported to the appropriate systems: → <i>Assign Particular Queue Groups and Queues, Seite 79</i> → <i>Assign Several Queue Groups and Queues, Seite 81</i>
5	Repeat the steps 2 to 4 for any other queue.  Hint - several queues with similar data: If several queues have similar data, for example the same brand or the same driver template, you may simplify the entry by copying the queue data. Click the  button at the end of the line.  Caution - new queue name when copying: You can give a new queue name only in the copying process itself. Afterwards the queue name is not editable any more.

Generating SAP Queue

→ *Create Queues*, Seite 148

Requirement

→ *ACTION_PASSON_SAPQUEUE*, Seite 285



Under certain circumstances SAP systems can pass on output jobs only with limited output parameters.

description

In order to ensure the output being processed with the desired parameters you may have SAP queues being generated that provide the required settings.

This is how you add a new SAP queue:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queues
2	Select the desired queue in the list and click the  button at the end of the line. The selected queue is used as master queue on the settings of which the generated SAP queues are based.
3	Change the required data of the SAP queue. → <i>Additional SAP Parameters for Subqueues</i> , Seite 229  hint - queue name: If you do not specify a new queue name, the queue will be named automatically by adding an extension to the name of the master queue depending on the changed output parameter, e. g: <ul style="list-style-type: none"> • E for one-sided printing • F for color printing • Paper size for the media size, e. g. A3 • L for landscape • M for the manual tray or the tray number • B for bank check printing or X for native printing
4	Confirm the input. The SAP queue is displayed in the queue list with a preceding dash as a subqueue to the corresponding master queue.



Set up Virtual Queues

description	<p>.....</p> <p>Virtual queues are queues that do not lead to a specific device. Instead they contain a list of queues that are possible end devices. To which queue the print data are sent, depends on the purpose for which you have set up the virtual queue.</p> <p>.....</p>
purpose	<p>You can use a virtual Queue as</p> <ul style="list-style-type: none"> • Failover queue All queues you assign to the virtual queue have to be configured identically. If the initial queue is not available, the listed queues are sequentially used as target queue until the job can be output. • Load balancing queue All queues you assign to the virtual queue have to be configured identically. The output job is sent to the first queue in the list that returns that it is idle. • Router The queues you assign to the virtual queue can be configured differently. You have to specify at least one condition for each listed queue on which this queue is used as output queue. The job is sent to the queue from the list, the conditions of which match the output job. <p>.....</p>
systems	<p>The following systems are able to use virtual queues:</p> <ul style="list-style-type: none"> • PLOSSYS 5 • SEAL APW • SAP <p>..... <i>To be continued</i></p>

Set up Virtual Queues, Continuation

.....
 This is how you add a new virtual queue:

instructions




Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queues
2	Click the  button above the list.
3	Enter the required data of the virtual queue:
4	Select the function of the virtual queue: → <i>Additional Parameters for virtual Queues, Seite 234</i>
5	Confirm the input.  Hint - virtual queue as router: If you use the virtual queue as router, now you have to enter the conditions for each assigned queue and then Apply.
6	Repeat the steps 2 to 5 for any other virtual queue.

.....

Change Queues

Requirement → *Log on to the System, Seite 40*

instructions This is how you change queues:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queues
2	Select the desired queues in the list and click the  button above the list.  hint - using the search function: You may use the search function above the queue list for selecting the queues. → <i>Use the Search Function, Seite 157</i>
3	Change the required data of the queue. → <i>Queue - Mandatory Parameters, Seite 212</i> → <i>Queue - Optional Parameters, Seite 215</i>  Caution - non-editable parameters: The queue name is not editable.
4	Confirm the input. By the next export the changes will be transferred to the appropriate systems.





Mark Queues for Deletion

→ *Log on to the System, Seite 40*

Requirement

This is how you mark queues for deletion:

instructions

Step	Action
1	<p>In the menu on the left, select:</p> <p>Plug-in: easyPRIMA</p> <p>Item: Manage Queues</p>
2	<p>Select the desired queues in the list and click the  button above the list.</p> <p> Hint - mark a single queue for deletion:</p> <p>If you wish to mark a single queue for deletion, select the desired queue in the list and click the  button at the end of the line.</p> <p> hint - using the search function:</p> <p>You may use the search function above the queue list for selecting the queues.</p> <p>→ <i>Use the Search Function, Seite 157</i></p>
3	<p>Confirm the confirmation prompt with OK.</p> <p>The selected queues are marked for deletion in easyPRIMA, i. e. moved to the list of deleted queues.</p> <p>By the next export via systems or system groups all queues marked for deletion will be deleted from the appropriate systems. However, in easyPRIMA they will remain in the list of deleted queues.</p> <p>→ <i>Delete Queues from easyPRIMA, Seite 155</i></p>

Restore Queues Marked for Deletion





Requirement

→ *Log on to the System, Seite 40*

→ *Mark Queues for Deletion, Seite 153*

instructions

This is how you restore queues marked for deletion:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Deleted Queues
2	Select the desired queues in the list and click the  button above the list.  Hint - restore a single queue: If you wish to restore a single queue only, select the desired queue in the list and click the  button at the end of the line.  hint - using the search function: You may use the search function above the queue list for selecting the queues. → <i>Use the Search Function, Seite 157</i>
3	Confirm the confirmation prompt with OK. The selected queues are restored in easyPRIMA, i. e. moved to the queue list. By the next export via systems or system groups the restored queues will be integrated again in the appropriate systems.

Delete Queues from easyPRIMA





→ *Log on to the System, Seite 40*

Requirement

→ *Mark Queues for Deletion, Seite 153*

This is how you delete a queue from easyPRIMA:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Deleted Queues
2	Select the desired queues in the list and click the  button above the list.  Hint - delete a single queue: If you wish to delete a single queue, select the desired queue in the list and click the  button at the end of the line.  hint - using the search function: You may use the search function above the queue list for selecting the queues. → <i>Use the Search Function, Seite 157</i>
3	Confirm the confirmation prompt with OK. The queue will be deleted from easyPRIMA. If queues are not already deleted from all the systems, this will be done during the next export via systems or system groups.

Remove Queues from the Systems

description

.....
If you wish to delete queues that are marked for deletion from the systems, you have to export them, just as you do with any other changes.

→ *Export Queues*, Seite 140
.....

Use the Search Function

With the search function you may search for any parameters that exist for the wanted object. These are for example brand, output method and location for queues or address, e-mail and phone number for contact persons.

description

The advanced search is available for the following lists: queues, queue groups, systems, system groups, queue parameters, contact persons and deleted queues.

You may specify the following search terms:

search terms

- All values that are valid for the selected parameter.
- Any character string that is part of the value of the selected parameter.

The search is case-insensitive.

You may define often used search terms as favorites:

preferred search terms

→ *QUEUE_FILTERFAVORITES*, Seite 278

→ *SYSTEM_FILTERFAVORITES*, Seite 279

→ *XXX_FILTERFAVORITES*, Seite 280

You may select the following relational operators:

relational operators

- =
All objects, the value of which exactly match the search term, are displayed.
- ~
All objects, the value of which is part of the specified string, are displayed.
- !=
All objects, the value of which exactly matches the search term, are hidden from the list.
- !~
All objects, the value of which is part of the specified string, are hidden from the list.

You wish to have a list of all queues for which a comment is entered.

example

Select the relational operator != and the search term "".

To be continued

Use the Search Function, Continuation

instructions

.....
This is how you execute the search:

Step	Action
1	Select the desired parameter in the selection list.
2	Select the desired relational operator.
3	Enter the desired character string in the input field.
4	If you need further search criteria, add more lines with the +-character.
5	Select the desired logical operator for the search criteria.
6	Repeat the steps 1 to 3 for any other search criteria.
7	Click the App1y button. The search is executed immediately and the results are displayed in the list.

.....

16 Access Control

.....
 The access control enables you to define which user group is allowed to take which actions: description

- The general access control applies to actions that concern easyPRIMA itself and the execution of certain actions in general.
- The specific access control enables you to assign privileges for each system group, queue group, system and queue separately.

.....
 The following table gives an overview of the several operations you have to do as an administrator: in this chapter

Topic	Page
General Access Control	160
Specific Access Control	165

.....

16.1 General Access Control

in this chapter

This chapter deals with the following topics:

Topic	Page
user groups	161
Privileges of User Groups	162
Changing Privileges of User Groups	164

user groups

.....
easyPRIMA is conceptually designed for an activated user management. You need to assign a user at least to one user group to specify which actions the user is allowed to take in easyPRIMA.

description


You can assign a user only to exactly one user group. Assigning to several user groups is impossible.

.....
The following user groups are available as default:

default user groups

- ADMINISTRATOR
- USER
- ANONYMOUS

.....
The access control is part of SEAL Control Center. Changes concerning users and user groups are described in [SEALCC_TEC].

 further information

Privileges of User Groups

description

easyPRIMA uses own privileges, privileges that are needed for the PostgreSQL database and privileges of SEAL Control Center and System Status.

effects

Depending on the privileges a user has, the main menu of easyPRIMA may contain a different number of menu items. If a user is missing the privilege to change something, he may nonetheless have reading access to information.

You may disable the reading access.

→ *USE_STRICT_SHOW_RIGHTS*, Seite 293

default privileges,
part 1

The user groups have the following default privileges:

Group Privilege	Adminis- trator	User	Anony- mous
SEAL DB Manage Departments	X	-	-
SEAL DB Display User Actions	-	-	X
SEAL DB Manage User Actions	X	-	-
SEAL DB Manage Contact Persons	X	-	-
SEAL DB Display Systems	-	-	X
SEAL DB Manage Systems	X	-	-
SEAL DB Display System Groups	-	-	X
SEAL DB Manage System Groups	X	-	-
SEAL DB Manage Access Permissions	X	-	-
Install SEAL Update Package	X	-	-
SEALCC Manage User Groups	X	-	-
SEALCC Manage User Accounts	X	-	-
SEALCC Change Own Password	X	X	-
SEALCC Show Installation Details in Start Window	X	-	-
SEALCC Manage Plug-ins	-	-	-
SEALCC Set Log Level for SEAL Control Center	X	-	-
SEALCC Show Log File	X	-	-
SEALCC Delete Log File	X	-	-

..... *To be continued*

Privileges of User Groups, Continuation

Continuation:


default privileges,
part 2

Group Privilege	Administrator	User	Anonymous
SEALCC Set Language for User Interface	X	X	X
SEALCC Change Defaults for SEAL Control Center	X	-	-
SEALCC Activate Access Control for SEAL Control Center	X	-	-
System Status Show Log File	X	-	-
System Status Show Status	X	X	X
System Status Start and Stop System	X	-	-
System Status Assign Systems	X	-	-
System Status Configure	X	-	-
easyPRIMA Manage Connector	X	X	-
easyPRIMA Manage Deleted Queues	X	X	-
easyPRIMA Display Queue Groups	-	-	X
easyPRIMA Manage Queue Groups	X	-	-
easyPRIMA Display Queues	-	-	X
easyPRIMA Export Queues	X	-	-
easyPRIMA Import Queues	X	-	-
easyPRIMA Manage Queues	X	X	-
easyPRIMA Export Queues via Groups	X	-	-
easyPRIMA Manage Windows Templates	X	X	-
easyPRIMA Manage Windows Drivers	X	X	-
easyPRIMA Manage Installation	X	-	-

Changing Privileges of User Groups


description

You may grant further privileges to a user group or restrict them.

 **Caution** -
changing the ex-
port privileges

If you grant an export privilege to a user group, you need to consider the following:

- The export of queues via queue groups, systems or system groups is a cross-system process that includes the queues of complete output management systems. When exporting on one of these ways, always all queues of the particular system will be included, independent of whether the user, who starts the exporting process, has the privilege to view or change these queues.
- A user, who is responsible for specific queues, will only have these queues displayed in the regular views of easyPRIMA. If a different user is responsible for other queues in the same output management system, these queues will be included in the export via queue groups, systems and system groups as well. In the list of results the names of all queues are displayed, independent of whether the user, who starts the exporting process, has the privilege to view these queues. This is necessary to detect errors that might have occurred during the exporting process.

 further infor-
mation

The access control is part of SEAL Control Center. Changes concerning users and user groups are described in [SEALCC_TEC].

16.2 Specific Access Control

.....
The user group basically has the necessary general privileges:


Requirement

→ *Privileges of User Groups*, Seite 162

.....
The specific access control allows you to assign privileges for each system group, queue group, system and queue separately.

description

By default the privileges for these objects are granted to any user group that has the necessary general privilege. As soon as you assign privileges of an object specifically to a user group all other use groups are deprived of these privileges.

 **Caution** - assignment required

.....
This chapter deals with the following topics:

in this chapter

Topic	Page
Access to System Groups	166
Access to Systems	167
Access to Queue Groups	168
Access to Queues	169

Access to System Groups


available privileges

The following privileges are available:

- Permission for reading access
- Permission for reading access to assigned systems
- Permission for writing access
- Permission for writing access to assigned systems
- Permission for exporting
- Permission for exporting queues to assigned systems

instructions

This is how you change the object privileges of system groups:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage System Groups
2	Select the desired system group in the list. For this click the name of the system group or the  button at the end of the line.
3	At the privilege you wish to change select the desired user group in the Available User Groups list on the left and move it with the arrow > to the Authorized User Groups list.
4	Confirm the input.

Access to Systems


.....
The following privileges are available:

- Permission for reading access
- Permission for writing access
- Permission for exporting

available privi-
leges

.....
This is how you change the privileges of objects for systems:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Systems
2	Select the desired system in the list. For this click the name of the system or the  button at the end of the line.
3	At the privilege you wish to change select the desired user group in the Available User Groups list on the left and move it with the arrow > to the Authorized User Groups list.
4	Confirm the input.

Access to Queue Groups


available privileges

The following privileges are available:

- Permission for reading access
- Permission for reading access to assigned queues
- Permission for writing access
- Permission for writing access to assigned queues
- Permission for exporting
- Permission for exporting assigned queues

instructions

This is how you change the object privileges of queue groups:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queue Groups
2	Select the desired queue group in the list. For this click the name of the queue group or the  button at the end of the line.
3	At the privilege you wish to change select the desired user group in the Available User Groups list on the left and move it with the arrow > to the Authorized User Groups list.
4	Confirm the input.

Access to Queues


.....
The following privileges are available:

- Permission for reading access
- Permission for writing access
- Permission for exporting

available privi-
leges

.....
This is how you change the object privileges of queues:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Queues
2	Select the desired queue in the list. For this click the name of the queue or the  button at the end of the line.
3	At the privilege you wish to change select the desired user group in the Available User Groups list on the left and move it with the arrow > to the Authorized User Groups list.
4	Confirm the input.

17 Log Files

in this chapter

This chapter deals with the following topics:

Topic	Page
View the edcchange.log Log File	171
Delete the edcchange.log Log File	172
View the Log File edc.log	173
Specify the log level of edc.log	174
Define the Maximum File Size of edc.log	175
Delete the edc.log Log File	176
Audit Log File for Kibana	177

View the edcchange.log Log File

.....
 You are logged on to easyPRIMA as an administrator:

requirement

→ *Log on to the System, Seite 40*

.....
 The edcchange.log log file logs all changes made in easyPRIMA.

Description

.....
 This is how you can view the items in the edcchange.log log file:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Changes
2	In the Log File edcchange.log section the items of the file are displayed.

Delete the edcchange.log Log File

requirement

You are logged on to easyPRIMA as an administrator:


→ *Log on to the System*, Seite 40

Description

The edcchange.log log file logs all changes made in easyPRIMA.

instructions

This is how you delete the edcchange.log log file:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Changes
2	Click the  button above the window with the log data.
3	Confirm the notification. The items in the log file will be deleted. It will contain only the reference to the deletion afterwards.

View the Log File edc.log

.....
 You are logged on to easyPRIMA as an administrator:

requirement

→ *Log on to the System, Seite 40*

.....

The edc.log log file logs all actions in the program flow for a potentially necessary debugging.

Description

You may define, how detailed these actions are logged, according to your needs:

→ *Specify the log level of edc.log, Seite 174*

.....

This is how you may view the items in the edc.log log file:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Show Log
2	In the main window the items of the file are displayed.

.....

Specify the log level of edc.log

requirement

You are logged on to easyPRIMA as an administrator:

→ *Log on to the System*, Seite 40

Description

The edc.log log file logs all actions in the program flow for a potentially necessary debugging.



further information

You are allowed to define, which information is logged in the file. The setting is done centrally in SEAL Control Center and is described in [SEALCC_TEC].



Caution - messages from other scripts

If scripts, for example updateprinter.exe, record errors, these are written into the edc.log log file with the maximum log level, independent of the log level set for this file.

values

You may specify the following values:

Value	Description
Trace	Logs errors, warnings, detailed information about the program flow and information about the executed program code.
debug	Logs errors, warnings and detailed information about the program flow.
Info	Logs errors, warnings and information about the program flow.
Run	Logs errors, warnings and start and stop messages.
Warning	Logs errors and warnings.
Error	Logs errors only.

Define the Maximum File Size of edc.log

You are logged on to easyPRIMA as an administrator:

requirement

→ *Log on to the System*, Seite 40

The `edc.log` log file logs all actions in the program flow for a potentially necessary debugging. If the file size exceeds the defined limit, it will be renamed to `edc.log.old` and the following actions will be written into a new `edc.log` file. You may view the data in the `edc.log.old` file only in an editor then. However, you may adjust the maximum size of the log file according to your needs.

Description


- The maximum size of `edc.log` is about 100 MB (104857600 B).

default

The limit for creating an `edc.log.old` is about 50 MB (52428800 B).

This is how you define the maximum size of the `edc.log` log file:

instructions

Step	Action
1	Open the command prompt or shell of easyPRIMA.
2	Change to the home directory of easyPRIMA, if necessary.
3	<p>Enter the <code>MAX_LOG_SIZE</code> environment variable with the desired file size in Byte. The value specified here will be used for the sum of the file sizes of <code>edc.log</code> and <code>edc.log.old</code>.</p> <p> Caution - further effects:</p> <p>The <code>MAX_LOG_SIZE</code> environment variable is used by several products of SEAL Systems. A change here will effect other programs as well.</p>

Delete the edc.log Log File

requirement

You are logged on to easyPRIMA as an administrator:


→ *Log on to the System*, Seite 40

Description

The edc.log log file logs all actions in the program flow for a potentially necessary debugging.

instructions

This is how you delete the edc.log log file:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Show Log
2	Click the  button above the window with the log data.
3	Confirm the notification. The items in the log file will be deleted. It will contain only the reference to the deletion afterwards.

Audit Log File for Kibana

You are logged on to easyPRIMA as an administrator:

requirement

→ *Log on to the System*, Seite 40




easyPRIMA can provide an audit log file for Kibana. easyPRIMA saves the user actions in the following log file:

Description

useractions_json.log

This is how you activate the audit log file:

instructions

Step	Action
1	Activate the audit log file in the edc.cfg: → <i>ACTION_HISTORY_JSON_LOG</i> , Seite 282
2	Install Filebeat on the management server.  Hint - Filebeat version: Install the same version you use in PLOSSYS 5, at least SEAL Elastic Stack version 1.1.0.  reference For further information on installing Filebeat, refer to the online documentation of PLOSSYS 5 or SEAL Elastic Stack.
3	Add the path to the audit log file of easyPRIMA in the following Filebeat configuration file: <ul style="list-style-type: none"> Linux: /opt/seal/etc/filebeat-easyprima.yml Windows: C:\ProgramData\SEAL Systems\config\filebeat-easyprima.yml  Example - path to the a Audit log file: <pre>filebeat: inputs: - type: log paths: - "C:\\ProgramData\\SEAL Systems\\log*.log" - "C:\\SEAL\\applications\\data\\log\\useractions_json.log"</pre>
3	Rename the filebeat-easyprima.yml configuration file as filebeat.yml.
4	Restart Filebeat.

18 Backup

in this chapter

This chapter deals with the following topics:

Topic	Page
Back Up the Currently Stored Data	179
Restore a Backup	180
Restoring a Backup on a new Server	181
Delete Obsolete Backups	182


Back Up the Currently Stored Data

You are logged on to easyPRIMA as an administrator:

requirement


→ *Log on to the System, Seite 40*

If you stop easyPRIMA, always a backup of the currently stored data is created. When restarting it is checked, whether the necessary tables are existing. If they are not existing, they are created anew. If the tables are empty, the backup will be restored.

 hint - automatic backup



You may create a manual backup at any time.

You can only restore a backup in the product version it has been created with.

 **Caution** - product version

This is how you create a manual backup:

instructions

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Changes
2	Click the  button above the List of available backups of the easyPRIMA database. A small pop-up window is opened.  Hint - manually created backups only: In the list only the manually created backups are displayed, not the one that easyPRIMA automatically creates when stopping.
3	Enter a comment in the text field, for example a reason for the backup, and confirm the input. The pop-up window will be closed and the backup will be created and displayed in the list subsequently.

Restore a Backup

requirement

You are logged on to easyPRIMA as an administrator:

→ *Log on to the System, Seite 40*



hint - restore an automatic backup

If you start easyPRIMA, it is always checked, whether the needed tables are existing in the database. If necessary, these will be created anew and the backup that has been created automatically when stopping, will be restored.

You may create a manual backup at any time, anyway. In this case an additional backup is created, which you will find in the List of available Backups of the easyPRIMA database with the Autogenerated before database migration designation. The automatic data migration also checks these additional backups for required tables.




Caution - product version

You can only restore a backup in the product version it has been created with.

instructions

This is how you restore a manually created backup:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Changes
2	Find the desired backup in the List of available backups of the easyPRIMA database and click the  button at the end of the line.
3	Confirm the confirmation prompt with OK. The selected backup will be restored.

Restoring a Backup on a new Server

You are logged on to easyPRIMA on the old server as an administrator:

requirement

→ *Log on to the System*, Seite 40


You have installed easyPRIMA on the new management server:

→ *Install easyPRIMA*, Seite 35


You can restore a backup from a easyPRIMA installation in a new installation of the same version: This is how you can move it to a new server

description

The data backup always contains the configuration of easyPRIMA, too. Therefore you only need to install easyPRIMA on the new server.

 hint - configuration

You can only restore a backup in the product version it has been created with.

 **Caution** - product version

This is how you restore a backup on a new server:

instructions

Step	Action
1	Create an up-to-date backup on the old server. → <i>Back Up the Currently Stored Data</i> , Seite 179
2	In a PowerShell (Administrator) or a file manager, change to the following directory: C:\SEAL\applications\data\edc\rollback
3	Find the directory with the latest timestamp. This contains the newest backup.
4	Copy the directory with the backup completely into the corresponding directory on the new server: C:\SEAL\applications\data\edc\rollback
5	Start easyPRIMA on the new server.
6	Restore the latest backup: → <i>Restore a Backup</i> , Seite 180

Delete Obsolete Backups


requirement

You are logged on to easyPRIMA as an administrator:

→ *Log on to the System, Seite 40*

instructions

This is how you delete a manually created backup:

Step	Action
1	In the menu on the left, select: Plug-in: easyPRIMA Item: Manage Changes
2	Find the desired backup in the List of available backups of the easyPRIMA database and click the  button at the end of the line.
3	Confirm the confirmation prompt with OK. The selected backup will be deleted.

19 Tips and Tricks

This chapter provides help concerning the following topics:

in this chapter

Topic	Page
Adjusting the Generation of the SAPSPOOL Short Name	184
Adjust Output Parameters Depending on the Device	185
Driver Settings (DEVMODE) are not exported	188
Distribute Queue Templates to PLOSSYS netdome Systems without Export	189
Activate Stamping for Windows Printing	190

Adjusting the Generation of the SAPSPOOL Short Name

requirement

.....
You have activated the automatic generation of the SAPSPOOL Short Name:

→ *GENERATE_SAP_OM_PADEST*, Seite 321

You have specified the desired initial value:

→ *SAP_OM_PADEST*, Seite 323
.....

standard method

Only alphanumeric characters are used for generating, i. e. the numbers 0-9 and the upper case letters A-Z. Lower case letters are automatically converted to upper case letters.

Default initial value is 0000.

With each SAPSPOOL short name that is assigned the fourth position is incremented by one as it is with natural numbers.

0000, 0001, 0002, ...

After number 9 has been assigned letters are next:

... 0009, 000A, 000B, ...

After Z has been assigned a carry to the third position is made:

... 000Z, 0010, 0011, ...

This way it is done with all other positions until the highest possible value is reached:

... ZZZZ

If gaps occur in the numbering, they will be filled. If all values in the namespace are in use, a warning is displayed.
.....

changing the method

If you need further changes in the assignment method of the SAPSPOOL short name apart from the initial value, you may enter these changes in the customer .pm file.
.....

Adjust Output Parameters Depending on the Device

.....
Sometimes manufacturers use values for output parameters that can only be used for their own devices. Devices of other brands do not support these values.

problem description

If such a value would just be added in a standard parameter in easyPRIMA, it could be selected for devices of other brands and cause output errors.

.....
Create a second output parameter that contains all standard values as well as the required additional value.

solution


This second output parameter is only allowed to be used for the corresponding devices and replaces the original output parameter for them.

You need to make the original output parameter invisible for these devices, i. e. delete it.



For all other devices you can use the standard parameter as before. Nothing changes for these devices.

..... *To be continued*

Adjust Output Parameters Depending on the Device, Continuation

 example, part 1


This is how you adjust output parameters depending on the device:

Step	Action
1	<p>By default the tray1 parameter is defined.</p> <p>File: /edc/conf/plossys/parameters.cfg</p> <p>Extract:</p> <pre>[PARAMETERS\tray1] DATATYPE = "ENUM" DEFAULT = "INTRAYAUTODEV" NAME = "PLS_TRAY_1" RANGE = "INTRAYAUTODEV|INTRAYMANUAL|INTRAY1|INTRAY2|INTRAY3|INTRAY4|INTRAY5|INTRAY6" TYPE = "JOB"</pre> <p>In the driver the default drop down menu is displayed.</p> <p> Hint - date of change of the file</p> <p>If you overwrite the parameters.cfg file with a version with an older date of change, update the date of change in the file.</p>
2	<p>For printers of the XXX brand you need additional values that are not supported by other brands.</p> <p>Define the new tray1_XXX parameter.</p> <p>File: /edc/conf/plossys/parameters.customer.cfg</p> <p>Extract:</p> <pre>[PARAMETERS\tray1_XXX] DATATYPE = "ENUM" DEFAULT = "INTRAYAUTODEV" NAME = "PLS_TRAY_1" RANGE = "INTRAYAUTODEV|INTRAYMANUAL|INTRAY1|INTRAY2|INTRAY3|INTRAY4|INTRAY5|INTRAY6|PA|DB|FO|SP1|SP6|SP10" TYPE = "JOB"</pre> <p> Hint - date of change of the file</p> <p>If you overwrite the parameters.customer.cfg file with a version with an older date of change, update the date of change in the file.</p>

..... To be continued

Adjust Output Parameters Depending on the Device, Continuation

Continuation:

 example,
part 2

Step	Action
3	<p>Allow the displaying of the new parameter.</p> <p>File:</p> <pre>tools\omsconfig\sealdrv\3\global_basic.lay</pre> <p>Extract:</p> <pre>[box_common] Content=tray1 tray2 tray1_XXX tray2_XXX UpdateChange=false</pre>
4	<p>tray1_XXX need to be activated, if brand XXX is specified.</p> <p>Create a new configuration file for this:</p> <pre>/edc/conf/plossys/devicebrand.cfg</pre> <p>Extract:</p> <pre>[XXX] default = tray1_XXX = "INTRAYAUODEV" line = [QUEUES\tray1_XXX] default = tray2_XXX = "INTRAYAUODEV" line = [QUEUES\tray2_XXX]</pre> <p>In the driver the additional values are displayed in the drop down menu of the XXX devices.</p>
5	<p>For XXX devices the standard parameter must not be displayed any more.</p> <p>Delete the standard parameter for XXX devices.</p> <p>File:</p> <pre>/edc/conf/plossys/devicebrand.cfg</pre> <p>Extract:</p> <pre>[XXX] default = tray1_XXX = "INTRAYAUODEV" line = [QUEUES\tray1_XXX] default = tray2_XXX = "INTRAYAUODEV" line = [QUEUES\tray2_XXX] delete = tray1 delete = tray2</pre>

Driver Settings (DEVMODE) are not exported

.....

problem description If you select Windows at the System Type system parameter and specify a version, the driver settings (DEVMODE) that have been imported before are not exported to the system any more.

.....

reason The driverconfigurationid in the wintemplates.resources table is assigned to the Windows Version all. As soon as a Windows version is specified easyPRIMA searches in the table belonging to the version, which has no specified value.

.....

solution The DEVMODE files are exported, if the configuration in easyPRIMA is complete. This behavior is intended.

Depending on the behavior that you need you have the following possibilities:

variant 1 1. variant 1

- You have specified a Windows version.
- You have not made version-specific changes in the settings.

Result: The DEVMODE files are exported to the Windows system.

variant 2 2. variant 2

- You have specified a Windows version.
- You have made version-specific changes in the settings that correspond to the version of the Windows system.
- You have not changed the driver settings.

Result: The DEVMODE files are not exported to the Windows system.

variant 3 3. variant 3

- You have specified a Windows version.
- You have made version-specific changes in the settings that correspond to the version of the Windows system.
- You have made changes in the driver settings.

Result: The DEVMODE files are exported to the Windows system.

.....

Distribute Queue Templates to PLOSSYS netdome Systems without Export

.....
You may distribute new or updated queue templates to any PLOSSYS netdome system configured in easyPRIMA without having to export queues. For this the following script is available:

description

`edctransfertemplates.pl`

.....
This is how you call the script:

Call

`edctransfertemplates.pl -i "Template_1|Template_2|Template_3"`

Activate Stamping for Windows Printing

description

The stamping functionality is rarely needed for printing under Windows. The stamp configuration has been deactivated by default. You can reactivate it in SEAL Master Driver

instructions,
SEAL Master
Driver 6.x

This is how you activate the stamping functionality in SEAL Master Driver 6.x

Step	Action
1	Open the following file in an editor: <code>/tools/omsconfig/sealdrv/3/global_basic.lay</code>
2	Remove the comment character in the following lines: <pre>[Global] #stamp0=Edit #stamp1=Edit #stamp2=Edit [tab_seal2] #Content=box_stamp box_delete box_security Content=box_delete box_security UpdateChange=false Stamps are optional. If you want to use it, reactivate it in sections 'tab_seal2' and 'Global' also (EDC-1394) #[box_stamp] #Content=stamp0 stamp1 stamp2 flagpage #UpdateChange=false</pre>
3	Save the file.

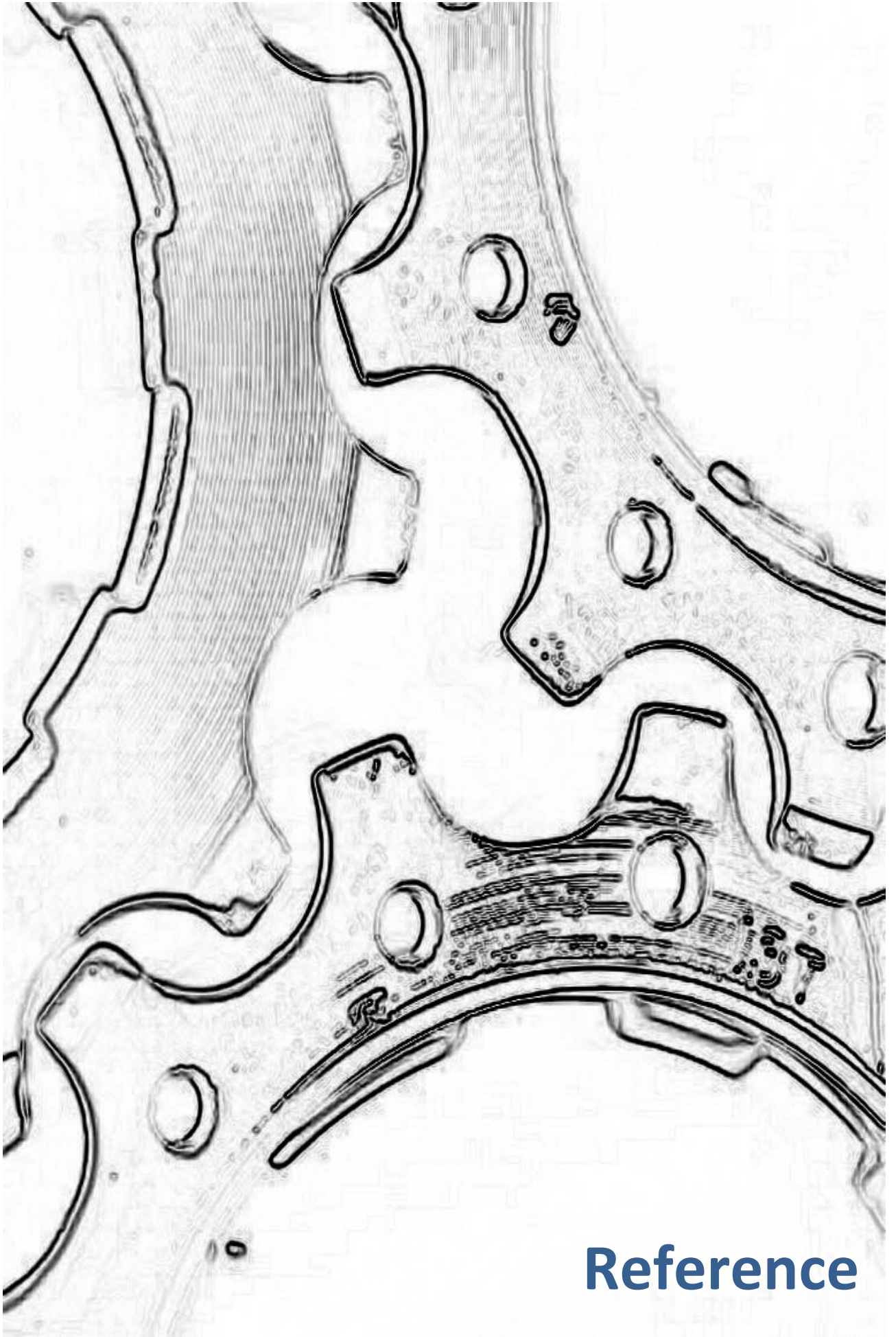
..... *To be continued*

Activate Stamping for Windows Printing, Continuation

This is how you activate the stamping functionality in SEAL Master Driver 7.x

instructions,
SEAL Master
Driver 7.x

Step	Action
1	Open the following file in an editor: <code>/tools/omsconfig/sealdrv/3/global_basic70.lay</code>
2	Remove the comment character in the following lines: <pre>[Global] #stamp0=Edit #stamp1=Edit #stamp2=Edit [tab_seal2] #Content=box_stamp box_delete box_security box_costcenter Content=box_delete box_security box_costcenter Stamps are optional. If you want to use it, reactivate it in sections 'tab_ seal2' and 'Global' also (EDC-1394) #[box_stamp] #Content=stamp0 stamp1 stamp2 #UpdateChange=false</pre>
3	Save the file.



Reference

20 Parameters - Reference


.....
 The following chapter lists the data to be specified and their description.

description

Mandatory parameters are marked with an asterisk * in the easyPRIMA user interface.

Designation

.....
 Except of customer-specific parameters you can change existing data fields only to a limited extent and cannot add more data fields.

 hint - changes of data fields

.....
 This chapter deals with the following topics:

in this chapter

Topic	Page
Basic Data - Parameters	196
Queue Data - Parameters	211

.....

20.1 Basic Data - Parameters

in this chapter

This chapter deals with the following topics:

Topic	Page
Contact Person - Parameters	197
System Group - Parameters	198
System - General Parameters	199
System - Mandatory PLOSSYS netdome Parameters	200
System - Optional PLOSSYS netdome Parameters	201
System - Mandatory PLOSSYS 5 Parameters	203
System - Optional PLOSSYS 5 Parameters	204
System - SAP Mandatory Parameters	206
System - Optional SAP Parameters	207
System - Windows Parameters	209
Queue Group - Parameters	210

Contact Person - Parameters

You may enter the following data for contact persons:

parameters

Data Field	Description
Name (mandatory)	Distinct name of the contact person
Department (optional)	Name of the department You have to configure the items in the list box according to your requirements: → <i>Add Departments, Seite 49</i>
Address (optional)	Address of the location
E-Mail (optional)	E-mail address of the contact person
Comment (optional)	Any additional information, for example an additional phone number, under which the contact person may be contacted.
Telephone (optional)	Phone number of the contact person

System Group - Parameters

parameters

You may enter the following data for system groups:

Data Field	Description
Name (mandatory)	Distinct name of the system group
Comment (optional)	Any additional information, for example a short description, which systems belong to the system group.
Use Systems for Failover (optional)	Use systems registered in this system group as systems for failover Values: yes Use systems for failover no Do not use systems for failover

System - General Parameters

You may enter the following data independent of the used system:

parameters

Data Field	Description
Name (mandatory)	Distinct name of the system
System Type (mandatory)	Type of the system, for example PLOSSYS netdome The items in the list box meet the systems supported by easyPRIMA.
Department (optional)	Name of the department, to which the system belongs The items in the list box correspond to the departments that you have entered: → <i>Add Departments, Seite 49</i>
Comment (optional)	Any additional information, for example a short description of the system.
Contact Person (optional)	Name of the responsible engineer The items in the list box correspond to the contact persons that you have entered: → <i>Add Contact Persons, Seite 52.</i>
Location (optional)	Location of the system
System Cleanup for Queues (optional)	Defines whether the automatic system cleanup when exporting via systems or system groups is to be done.
Version (optional)	Version of the system, for example 4.3.0, if you have installed PLOSSYS netdome 4.3.0.

System - Mandatory PLOSSYS netdome Parameters

parameters

.....
In addition, you have to enter the following data for a PLOSSYS netdome system:




Data Field	Description
Port (mandatory)	Port number, under which the system is to be contacted. The default is the port number of kNet server: 7125.
Server (mandatory)	Server name, under which the system is to be contacted

.....

System - Optional PLOSSYS netdome Parameters

You may enter the following system data for a PLOSSYS netdome system in addition to the general data:

parameters, part
1

Data Field	Description
Output via Remote System (optional)	<p>defines the current system as central distribution system for output jobs.</p> <p>Values: yes The central distribution is activated. no The central distribution is not activated.</p>
Port for HTTP Access (optional)	<p>Port number, under which the system is to be contacted via HTTP.</p> <p> Further information: You will find an overview of the port numbers used by SEAL Systems products in [PORTNUMBERS_TEC].</p>
REST Export (optional)	<p>URI with which you define which transfer protocol is used for the REST export</p> <p> example:</p> <ul style="list-style-type: none"> Queue export via HTTP: http://%host%:8080/edc-restexport/printers with %host% SEAL APW server Queue export via SSL: https://%host%:8443/edc-restexport/printers with %host% SEAL APW server
Secure "System Status" Connection (optional)	<p>Protocol for the connection of SystemStatus to the System</p> <p>Values: yes Connection via SSL (secure connection) no Connection via standard protocol</p>
System Configuration (PNS) (optional)	<p>Link with which the configuration program for PLOSSYS netdome can be connected:</p> <p> example:</p> <ul style="list-style-type: none"> Starting PLOSSYS netdome Settings: http://%host%:8080/pcgui/ with %host% PLOSSYS netdome server


..... To be continued

System - Optional PLOSSYS netdome Parameters,

Continuation



parameters, part
2

You may enter the following system data for a PLOSSYS netdome system in addition to the general data:

Data Field	Description
System Management (optional)	<p>Link with which a system administration program may be opened.</p> <p> example:</p> <ul style="list-style-type: none"> Starting PLOSSYS OCON http://%host%:9000/ocon/ocon.html with %host%OCON server Starting DPF: http://%host%:%httpport%/cgi-bin/dpftracker with %host% DPF server

System - Mandatory PLOSSYS 5 Parameters

.....
You may enter the following data for a PLOSSYS 5 system in addition to the parameters general system data:

Data Field	Description
User (mandatory)	Name of a user with the authorization to manage queues in the PLOSSYS 5 system.  Hint - OpenID Connect: If you use the access token of the SEAL Control Center session to authenticate, the user name is not required any more.
Password (mandatory)	Password belonging to the user name  Hint - OpenID Connect: If you use the access token of the SEAL Control Center session to authenticate, the password is not required any more.
Port (mandatory)	Port number, under which the system is to be contacted. Default is 515.
Server (mandatory)	Server name, under which the system is to be contacted. In the case of PLOSSYS 5 clusters specify the name of the primary server.

System - Optional PLOSSYS 5 Parameters

parameters, part
1

You may enter the following system data for a PLOSSYS 5 system in addition to the general data:



Data Field	Description
Alternative server (optional)	Server names by which the secondary servers of a PLOSSYS 5 cluster are to be contacted. Values: You have to specify the server names in the form of a comma separated list.
Print protocol (optional)	Protocol that is used to send the printing data to the output devices. Values: <ul style="list-style-type: none"> • IPP • IPPS • LPR
Monitoring Time (optional)	defines whether PLOSSYS Administrator retrieves the printer status via IPP. Values: <ul style="list-style-type: none"> • "" PLOSSYS 5 manages the parameter centrally. • AFTER_PRINT The printer status is retrieved after the printing. • NEVER The printer status is never retrieved. Internal name: monitorMode
Monitoring URL (optional)	IPP URI via which the printer status is retrieved. This option is used only, if Monitoring Time is set to AFTER_PRINT: Value: <ul style="list-style-type: none"> • ipp://<printerURI> Internal name: monitorConnection

..... To be continued

System - Optional PLOSSYS 5 Parameters, Continuation

You may enter the following system data for a PLOSSYS 5 system in addition to the general data:

parameters, part
 2

Data Field	Description
PLOSSYS 5 REST export URL (optional)	URL with which you define which transfer protocol is used for the REST export  example: <ul style="list-style-type: none"> • Queue export via HTTP: http://%host%:8085/edc-restexport/printers with %host% SEAL APW server • Queue export via SSL: https://%host%:8085/edc-restexport/printers with %host% SEAL APW server Default is https://%host%:8080/v2/printers.
System Management (optional)	Link by which PLOSSYS Administrator can be connected.  example: <ul style="list-style-type: none"> • Queue export via HTTP: https://%host%:9000/administration/printers with %host% PLOSSYS Administrator server

System - SAP Mandatory Parameters

parameters

You have to enter the following data for an SAP system in addition to the general system data:

Data Field	Description
User (mandatory)	Name of a user with the authorization to manage queues in the SAP system.
Client (mandatory)	Name of the SAP Client, which is to be used for the logon to the system.
Password (mandatory)	Password belonging to the user name
SAP Type (mandatory)	SAP output type that is to be assigned to the queues, which are to be exported. Values: DMS Repro SAP Spool SAP Spool + DMS Repro
Server (mandatory)	Name of the server, on which the SAP system is installed.
SNC Quality of Protection (mandatory)	SNC quality of protection of the SAP system
Language (mandatory)	Language, with which the logon to the SAP system is made.
System (mandatory)	Name of the SAP system, to which the queues are to be exported.
System Number (mandatory)	Number of the SAP system
Connection Type (mandatory)	Type of server to which an RFC destination is to be set up. Values: Application Server Message Server

System - Optional SAP Parameters

.....
You may enter the following system data for an SAP system in addition to the general system data:

parameters, part
1

Data Field	Description
Output Systems (DMS Repro) (optional)	List of the Repro output systems existing in SAP, to which the queues that are to be exported, are to be assigned.
Description (optional)	Any additional information, for example a short description of the system.
Use Detailed Logging (optional)	Debugging mode for the export or import of queues. Values: yes The debugging mode is activated. no The debugging mode is deactivated.
Delete printers without LOMS (optional)	Defines for each SAP system individually whether queues without LOMS/Output System are to be deleted.
Group (optional)	
Designation (optional)	Designation of the type of connection
Logical OMS (SAP spool) (optional)	List of the logical output systems existing in SAP, to which the queues that are to be exported, are to be assigned. This parameter is required only, if the output is to be done via PLOSSYS netdome.
Queue Name Pattern (optional)	Specification for the naming of queues in SAP
SAP Color Printer (optional)	Setting for color printing or black and white
SAProuter String (optional)	Router of the SAP System

..... *To be continued*

System - Optional SAP Parameters, Continuation

parameters, part
2

You may enter the following system data for an SAP system in addition to the general system data:

Data Field	Description
SNC Single Sign-On (optional)	Values: yes Single sign-on is activated. no Single sign-on is deactivated.
SNC Name (optional)	
SNC Partner Name (optional)	
Use SNC (optional)	Activate SNC (Secure Network Communications) Values: yes SNC is activated. no SNC is deactivated.
Unicode Support (optional)	Unicode support is existing Values: yes Unicode support is existing no Unicode support is not existing

System - Windows Parameters

.....
You have to enter the following data for a Windows system in addition to the parameters general system data:

Data Field	Description
User Name (mandatory)	Name of the user with the authorization to administrate queues under Windows and with writing access to a WMI server of a remote Windows client.
Password (mandatory)	Password belonging to the user name
Server (mandatory)	Server name, under which the system is to be contacted
Secure "System Status" Connection	Protocol for the connection of SystemStatus to the System Values: yes Connection via SSL (secure connection) no Connection via standard protocol
System Management (optional)	Link with which a system administration program may be opened.
Windows Printer Template (mandatory)	Windows printer template, which is to be used for the queue.

Queue Group - Parameters

parameters

You may enter the following data for queue groups:

Data Field	Description
Name (mandatory)	Distinct name of the queue group
Comment (optional)	Any additional information, for example a short description, which queues belong to this queue group.
Export Configuration for Queue Groups (optional)	Export configuration data Depending on the target system: <ul style="list-style-type: none"> • SEAL APW under Windows • PLOSSYS netdome Values: yes Export configuration for queue groups no Configuration for queue groups not required

20.2 Queue Data - Parameters

This chapter deals with the following topics:


in this chapter

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Queue - Mandatory Parameters

parameters, part
1

You have to enter the following data, if you want to add queues:



Data Field	Description
Output Trays (mandatory)	Number of the existing output trays Internal name: outputbincount
Output Method (mandatory)	Method, which is used in PLOSSYS netdome for the activation of the queue. The selectable values are fixed and include the output methods commonly used in the selected system.  Further information: The different output methods are described in [NETDOME_TEC]. Internal name: outputmethod
Output Destination (mandatory)	Additional information, which is needed for certain output methods for the activation of the queue. This field is displayed only, if you select an appropriate output method. Which information you have to specify depends on the output method, for example the IP address or the network name of the queue when using MTFILTER or the target directory when using COPY. Internal name: outputdestination
Input Trays (mandatory)	Number of the existing paper trays Internal name: traycount
Brand (mandatory)	Name of the producer of the device The selectable brands depend on the ones that are available in easyPRIMA. Internal name: brand

..... *To be continued*

Queue - Mandatory Parameters, Continuation

Continuation:

parameters, part
 2


Data Field	Description
Command (mandatory)	Script that is used by easyPRIMA to export the queues. The specified path will not be verified. This parameter is needed, if you use the COMMAND (P5 only) output method. Internal name: command_cmd
Model (mandatory)	Model name of the device The selectable models depend on the ones that are entered in easyPRIMA and on the brand, which you have selected. Internal name: model
Name (mandatory)	Distinct name of the queue  Caution - no changes: You can enter the queue name only, if the queue is created anew by being added or being copied from an existing queue. Afterwards the queue name is not editable any more.  Caution - maximum length: Names of queues that you wish to export to PLOSSYS netdome systems, are allowed to have a maximum length of 29 characters only. Internal name: name
Tray <i>n</i> , Media Format (mandatory)	Paper size, which has been fed in the tray. The selectable paper sizes depend on the ones that are available in easyPRIMA. Internal name: trayformat <i>n</i>

..... *To be continued*

Queue - Mandatory Parameters, Continuation

parameters, part
3

Continuation:

Data Field	Description
Tray <i>n</i> , Medium (mandatory)	<p>Medium, which has been fed in the tray.</p> <p>The selectable values are fixed and include the media commonly used in PLOSSYS netdome.</p> <p> Further information:</p> <p>The different media types are described in [NETDOME_TEC].</p> <p>Internal name: traymedium<i>n</i></p>
Tray <i>n</i> , Type (mandatory)	<p>Type of the output tray</p> <p>Values:</p> <p>Cartridge The medium is in a cartridge.</p> <p>manual The medium has to be fed manually.</p> <p>Roll The medium is on a roll.</p> <p>Internal name: traytypen</p>

Queue - Optional Parameters

.....
You may enter the following data, additionally, if you add queues:

parameters, part
1

Data Field	Description
Department (optional)	Name of the department, in which the device is located. Internal name: department
All Jobs Native (optional)	All jobs are sent to the queue without any processing. Values: yes All jobs native no All jobs to be processed Internal name: NATIVE_QUEUE
Number of output tries (optional)	Values: <i>n</i> any natural number Internal name: jobMaxPostponedCount
Call Arguments (optional)	Options with which the script defined in Command is called. The options are passed as text. They will not be verified. This parameter is needed, if you use the COMMAND (P5 only) output method. Internal name: command_args
Mailbox (optional)	Additional information, which is needed for certain output methods for the activation of the queue.

..... *To be continued*

Queue - Optional Parameters, Continuation

parameters, part
2

Continuation:

Data Field	Description
Output Queue/Port (optional)	<p>Additional information, which is needed for certain output methods for the activation of the queue. This field is displayed only, if you select an appropriate output method.</p> <p>Which information you have to specify depends on the output method, for example the port number of the queue when using MTFILTER or the LPR queue name when using MTLPR.</p> <p>You may specify additional options for PLOSSYS netdome and PLOSSYS 5 separately.</p> <p>Internal name: outputqueue</p>
Output Option P4 (optional)	<p>For the internal processing in P4 systems and depending on the output method.</p> <p>Internal name: outputqueue_extension_p4</p>
Output Option P5 (optional)	<p>For the internal processing in P5 systems and depending on the output method.</p> <p>Internal name: outputqueue_extension_p5</p>
Printer Management (optional)	<p>URL by which access to the Web server of a network printer is allowed.</p> <p>Default: http://%outputdestination% with %outputdestination% Host name or IP address of the output device</p> <p>Internal name: linkurl</p>

..... To be continued

Queue - Optional Parameters, Continuation

Continuation:

parameters, part
 3

Data Field	Description
Duplex Output (optional)	double-sided output is possible Values: yes Double-sided output is possible. no device can only print one-sided. Internal name: duplex
Print Quality (Default) (optional)	Values: High Low normal This parameter is used in PLOSSYS 5 only. Internal name: qualitydefault
Duplex Output (Default) (optional)	Turning direction of the paper for duplex output Values: LONG_SIDE LONG_SIDE lange Seite NONE none SHORT_SIDE short side This parameter is used in PLOSSYS 5 only. Internal name: duplexdefault
Use duplex always (optional)	Duplex output is always used, independent of the setting in the job. Values: yes output always duplex no output as in the job This parameter is used in PLOSSYS 5 only. Internal name: duplexalways

..... *To be continued*

Queue - Optional Parameters, Continuation

parameters, part
4

Continuation:

Data Field	Description
Expected Return Codes (optional)	Expected return codes of the called script. The values are passed as an array. Specify different values separated by comma. This parameter is needed, if you use the COMMAND (P5 only) output method. Internal name: command_expectedExitCodes
Export (optional)	The queue will be included in the export. Values: yes The queue will be exported. no The queue will not be exported. The default is yes. Internal name: activated
Color Output (optional)	Colored output is possible Values: yes Colored output is possible. no Device can black and white only. Internal name: color
Color Output (Default) (optional)	Default for the color output, if no value is specified in the job. Values: yes Color output no Output in black and white This parameter is used in PLOSSYS 5 only. Internal name: colordefault

..... To be continued

Queue - Optional Parameters, Continuation

Continuation:

parameters, part
5

Data Field	Description
Finishing 1 (optional)	Values: FOLD Folding PUNCH Punching PUNCH&FOLD Punching and folding STAPLE Stapling STAPLE&FOLD Stapling and folding STAPLE&PUNCH Stapling and punching STAPLE, PUNCH&FOLD Stapling, punching and folding Internal name: finisher
Finishing 2 (optional)	Additional information, which is needed for certain output methods for the activation of the queue. Values: <i>empty</i> Option deactivated Sorter Sorter Internal name: mailbox
Finishing Type (optional)	Brand name of the device that is connected for the end processing. This parameter is necessary, if you use certain drivers, e. g. seal.systems_ps_oms_generic.sealpls Internal name: finishing
GEKKO Model (optional)	Name of the model used in PLOSSYS netdome for creating spool files via GEKKO. Internal name: outputmode
Comment (optional)	Any additional information Internal name: comment

..... To be continued

Queue - Optional Parameters, Continuation

parameters, part
6

Continuation:


Data Field	Description
Configuration Template (optional)	Queue templates that is supposed to be used. The selectable drivers depend on the drivers that are installed and on the brand and model that you have selected. Internal name: templates
Configuration Template (SAP) (optional)	SAP-specific queue template that is to be used. The selectable drivers depend on the drivers that are installed and on the brand and model that you have selected. Internal name: saptemplate
Configuration Template (Windows) (optional)	Windows-specific queue template that is to be used. The selectable drivers depend on the drivers that are installed and on the brand and model that you have selected. Internal name: windowstemplate
Contact Person (optional)	Engineer responsible for the queue The selectable contact persons depend on the ones that are added in easyPRIMA. Internal name: contactid

..... *To be continued*

Queue - Optional Parameters, Continuation

Continuation:

parameters, part
7

Data Field	Description
<p>Paper Selection (optional)</p>	<p>Tray selection</p> <p>Values:</p> <p>AUTO The tray selection is delegated to the device.</p> <p>DRAWER The tray number is passed to the device.</p> <p>MEDIA The media type is passed to the device.</p> <p>PAPERSIZE The page size is passed to the device.</p> <p> Further information:</p> <p>The PAPER_SELECT parameter is described in [NETDO-ME_TEC].</p> <p>Internal name: PAPER_SELECT</p>
<p>Paper Formats (optional)</p>	<p>Restriction of the admitted paper formats</p> <p>Values:</p> <p>ANSI Only ANSI formats are selectable.</p> <p>BOTH ISO and ANSI formats are selectable.</p> <p>ISO Only ISO formats are selectable.</p> <p>Internal name: PLOTTER_ISOANSI</p>
<p>Pickup Queue (optional)</p>	<p>Checkbox to decide, whether the queue is used as a collector queue for Secure&Pickup Printing.</p> <p>Internal name: PICKUP_QUEUE</p>
<p>PPD (optional)</p>	<p>PPD file that is to be used for the output.</p> <p>Internal name: ppd</p>

Data Field	Description
SAPWIN Windows Queue Name (optional)	If you use the SAPWIN device type, you have to activate the sapwinQueue queue parameter in the corresponding PLOSSYS 5 systems. Move the parameter from the HIDDEN tab to the PLOSSYS tab and specify Relevant for PLOSSYS 5. Internal name: sapwinQueue

..... *To be continued*

Queue - Optional Parameters, Continuation

Continuation:

parameters, part
8

Data Field	Description
Socket Close Timeout (optional)	<p>Interval after which a TCP connection to a queue is closed, if the queue does not close it correctly.</p> <p>You have to activate this parameter by making it visible in the PLOSSYS tab.</p> <p>This parameter is used in PLOSSYS 5 only.</p> <p>Values:</p> <p>You may specify any number, with or without unit, e. g. 2m for 2 minutes.</p> <p>Internal name: socketCloseTimeout</p>
Socket Close Timeout causes Error (optional)	<p>Defines, whether an error message is returned, after a TCP connection to a queue had to be closed explicitly.</p> <p>You have to activate this parameter by making it visible in the PLOSSYS tab.</p> <p>This parameter is used in PLOSSYS 5 only.</p> <p>Values:</p> <p>You may specify any number, with or without unit, e. g. 2m for 2 minutes.</p> <p>Internal name: socketCloseTimeOutIsError</p>

..... *To be continued*

Queue - Optional Parameters, Continuation

parameters, part
9

Continuation:

Data Field	Description
Location (optional)	Location, where the device is located. Internal name: location
snmpcommunity (optional)	SNMP community to which a device belongs. → <i>SNMP_COMMUNITY</i> , Seite 301 Internal name: snmpcommunity
Secure Print (optional)	Values: yes Secure printing active no Secure printing deactivated Internal name: enablesecureprint

Additional Pool Device Parameters

You may add the following pool device parameters automatically:



parameters

Parameter	Internal Name
PLOT_MAX_SIZE	
PLOT_MIN_SIZE	
Pool: Split set collation	POOL_SET_SEPARATE
Pool: Missing sheet when splitting a set collation	POOL_GENERATE_SPLITTINGOFF
Pool: Main device for missing sheets	POOL_PLT_FOR_SPLITTINGOFF
Pool: Medium for missing sheets	POOL_PAP_FOR_SPLITTINGOFF
Pool: Split multi-page files	POOL_PAGES_SEPARATE
Pool: Pool members	POOL_FOR_PLOTTER
Pool: Collective missing sheet	POOL_COLLECT_SPLITTINGOFF
Pool: Tolerance for output queue	POOL_PAGES_TOLERANCE
Pool-Prio: 1:1 output required	POOL_PRIO_PLOT_MAX_SIZE
Pool-Prio: Consider minimum page number	POOL_PRIO_PAGE_MIN_NUMBER
Pool-Prio: Consider fold size	POOL_PRIO_FOLDER_MAX_SIZE
Pool-Prio: Folder bypass required	POOL_PRIO_FOLDER_BYPASS
Pool-Prio: Colored output required	POOL_PRIO_COLOR_TYPE
Pool-Prio: Medium required	POOL_PRIO_MEDIUM
Pool-Prio: Minimum size required	POOL_PRIO_PLOT_MIN_SIZE
Pool-Prio: b/w output required	POOL_PRIO_BW_TYPE
Pool-Prio: Consider maximum page number	POOL_PRIO_PAGE_MAX_NUMBER

Additional SAP Parameters

parameters, part
1

You may add the following SAP parameters automatically:

Parameter	Internal Name
DMS Repro Output System	SAP_DV_SYSID
DMS Repro User Group	SAP_DV_USGROUP
DMS Repro Device Type	SAP_DV_DEVTYPE
DMS Repro Disabled	SAP_DV_DISABLED
SAP Color Printer	SAP_COLOR
SAPSPPOOL Response Time	SAP_OM_PAREADTIME
SAPSPPOOL Authorization Group	SAP_OM_PADEVGRP
SAPSPPOOL Keep File	SAP_OM_PAKEEPPFILE
SAPSPPOOL Print Mode	SAP_OM_PRINTMODE
SAPSPPOOL Function Trace	SAP_OM_PATRACEF
SAPSPPOOL Device Class	SAP_OM_PAARCHIVER  Caution - Standard Printer only: easyPRIMA only processes SAP spool printers of the Standard Printer device class. Any other device classes are ignored during import and export.
SAPSPPOOL Device Class (Usage)	SAP_OM_PACLASS
SAPSPPOOL Device Type	SAP_OM_PATYPE  Caution - SAPWIN device type: If you use the SAPWIN device type, you have to activate the sapwinQueue queue parameter in the corresponding PLOSSYS 5 systems. Move the parameter from the HIDDEN tab to the PLOSSYS tab and specify Relevant for PLOSSYS 5.
SAPSPPOOL Disabled	SAP_OM_PADISABLED

..... *To be continued*

Additional SAP Parameters, Continuation

Continuation:

parameters, part
2

Parameter	Internal Name
SAPSPPOOL Horizontal Unit	SAP_OM_PAXSHUNIT
SAPSPPOOL Horizontal Shift	SAP_OM_PAXSHIFT
SAPSPPOOL Host Printer	SAP_OM_PAPROSNAME
SAPSPPOOL Hostspool Title	SAP_OM_PADFLTUTTL
SAPSPPOOL No Choice	SAP_OM_PANOCHOICE
SAPSPPOOL No Query	SAP_OM_PANOQUERY
SAPSPPOOL Command	SAP_OM_PAPROTCMD
SAPSPPOOL Copy as Job	SAP_OM_PADUPCOPY
SAPSPPOOL Access Method	SAP_OM_PAMETHOD
SAPSPPOOL Short Name	SAP_OM_PADEST
SAPSPPOOL Level-2 Trace	SAP_OM_PATRACE2
SAPSPPOOL Logical OMS	SAP_OM_PALOMS
SAPSPPOOL Monitor	SAP_OM_PAMONI
SAPSPPOOL Novell Server	SAP_OM_PANOVSESRVSAP_OM_ - PANOVSESRVR
SAPSPPOOL Paper Tray	SAP_OM_INPUTTRAY
SAPSPPOOL Pool Type	SAP_OM_PAPOOLART
SAPSPPOOL Port Number	SAP_OM_PALPDPORT
SAPSPPOOL Log	SAP_OM_PAPROTDATA
SAPSPPOOL Resource Control	SAP_OM_PAPROTRES
SAPSPPOOL Server Name	SAP_OM_PAMSSERVER
SAPSPPOOL Security Level	SAP_OM_PACRYPTMET
SAPSPPOOL Security Mode	SAP_OM_PACRYPTMOD
SAPSPPOOL Storage Location	SAP_OM_PASTORELOC
SAPSPPOOL Language Title	SAP_OM_PALANGU
SAPSPPOOL Synchronization	SAP_OM_PASYNC

..... To be continued

Additional SAP Parameters, Continuation

parameters, part
3

Continuation:

Parameter	Internal Name
SAPSPPOOL Front Page	SAP_OM_PADFLTSTTL
SAPSPPOOL Connection Time	SAP_OM_PACONNTIME
SAPSPPOOL Vertical Unit	SAP_OM_PAYSHUNIT
SAPSPPOOL Vertical Shift	SAP_OM_PAYSHIFT
SAPSPPOOL Target Host	SAP_OM_PALPDHOST

Additional SAP Parameters for Subqueues

→ *ACTION_PASSON_SAPQUEUE*, Seite 285

requirement

You may add the following SAP parameters for sub-queues automatically:

parameters

Parameter	Internal Name
Print Mode	sapqueue_printmode
Duplex Printing	sapqueue_duplex
Color Printing	sapqueue_color
Device Type	sapqueue_patype
Host Printer	sapqueue_hostprinter
Access Method	sapqueue_pamethod
Shaft Feed	sapqueue_shaftfeed
Destination Host	sapqueue_palpdhost

Additional SEAL APW Parameters

parameters, part
1

You may add the following SEAL APW parameters automatically:


Data Field	Description
Booklet Printing (optional)	Switch for booklet printing You have to activate this option by making it visible in the SEAL APW Parameters tab. Values: Device Driver Simplex The default is None. Internal name: bookletsupport
Printer Type (optional)	Values: Laser Printer Multi-function device Printer Internal name: printertype
Building (optional)	--- Internal name: building
Command after Spooling (optional)	--- Internal name: sealcmdafterspool_operator
Postal Code (optional)	--- Internal name: zipcode
Room (optional)	--- Internal name: room
City (optional)	--- Internal name: city
Floor (optional)	--- Internal name: floor

..... *To be continued*

Additional SEAL APW Parameters, Continuation

Continuation:

parameters, part
2

Data Field	Description
Street (optional)	--- Internal name: street
Available Media (optional)	<p>List of the available values</p> <p>You have to activate this option by making it visible in the SEAL APW Parameters tab.</p> <p>Keyword: available_media</p> <p>Values:</p> <p>TrayA: Printer automatic selection TrayM: Manual Tray Tray1: Tray 1 Tray2: Tray 2 Tray3: Tray 3 Tray4: Tray 4 Tray5: Tray 5 Tray6: Tray 6 Tray7: Tray 7 TrayPa: Paper TrayTr: Transparency film TrayPr: Pre-printed TrayLe: Letterhead TrayLa: Label TrayBo: Bond TrayFp: Fine paper TrayRe: Recycling paper TrayCl: Color paper TrayCa: File card TrayPp: Pre-perforated TrayVe: Parchment TrayEn: Envelope TrayRo: Rough TrayTh: Thick TrayCo: Coated TrayHi: High quality</p> <p> example: "TrayPo, TrayPp, TrayRo, TrayVe"</p>

Additional Windows Parameters

parameters, part
1

You may add the following Windows parameters automatically:

Parameter	Description
OMS Update Timeout (optional)	Interval in which SEAL APW or SEAL Master Driver retrieve the queue configuration for Windows printing from the easyPRIMA server. You specify the value in hours. Internal name: OMSTimeout
OMS Update Method (optional)	defines, whether SEAL APW or SEAL Master Driver are to retrieve the queue configuration for Windows printing from the easyPRIMA server. Values: Never No update Timeout Update in the defined interval Internal name: OMSUpdateMode
OMS Server Type (optional)	Type of the system from which SEAL APW or SEAL Master Driver are to retrieve the configuration for Windows printing. Internal name: OMSServerType
OMS Connection Port (optional)	KNet port number of the easyPRIMA server, from which SEAL APW or SEAL Master Driver are to retrieve the queue configuration for windows printing. Internal name: OMSPort

..... *To be continued*

Additional Windows Parameters, Continuation

Continuation:

parameters, part
2

Parameter	Description
Windows Permissions (optional)	List of users or groups, for which the Active Directory permission for "Printing" is set when a queue is created. You may separate the values of the list by comma or pipe character. Internal name: WIN_SHARED_OBJECTS
Windows Share Name (optional)	Name, under which the queue is to be contacted under Windows. Internal name: sharename
Windows Sharing (optional)	Checkbox with which you define, whether a printer is available as network printer. Internal name: WIN_SHARE_FLAG
Windows Port Name (optional)	Name of the port, by which the queue is connected under Windows. Internal name: WIN_PORTNAME
Windows Publishing (optional)	Checkbox with which you define, whether the printer is allowed to be found via Windows Active Directory. Internal name: WIN_PUBLISH_FLAG

Additional Parameters for virtual Queues

parameters



You can specify the following parameters for virtual queues:

Parameter	Description
Function of Virtual Queue (mandatory)	Function that the virtual queue is to have. Values: Failover Alternative queue in case of de- vice failure Loadbalancer Queues for load balancing Router Automatic selection of a suitable device

Customer-Specific Parameters - Mandatory

You have to enter the following data, if you want to add customer-specific parameters:

parameters, part
 1

Data Field	Description
Display Type (mandatory)	Way of displaying the parameter in the entry form of the queue data Values: checkbox hidden Hidden option menu password text area Multi-line text field text field  Caution - multiline text field: The text area display type can only be selected in customer-specific parameters. As systems are not able to process multiline queue parameters, parameters of this display type must be excluded from being exported. For this the name has to start with CUS_.
Data Type (mandatory)	Data type of the parameter Values: boolean Boolean value float integer string
Name (mandatory)	Name of the parameter Besides alphanumeric characters, the name is allowed to contain underscore characters only.  Caution - exclude from being exported: If a parameter is to be or has to be excluded from being exported, the name has to start with CUS_.

..... *To be continued*

Customer-Specific Parameters - Mandatory, Continuation

parameters, part
2


Continuation:

Data Field	Description
Position (mandatory)	<p>Position number of the parameter in the displaying order of the queue parameters</p> <p>You may enter any positive integer.</p> <p>When you create a new queue parameter the input field "Position" is set by default: highest assigned value + 10</p> <p>The distance of 10 ensures that there are enough positions that may be assigned between existing parameters.</p> <p>You may assign positions several times, whereat the order among themselves is not guaranteed.</p> <p>Basis parameters and system-specific parameters have reserved the following number intervals:</p> <ul style="list-style-type: none"> • General parameters: 0 - 2050, whereat position 0 is exclusively reserved for the "Name" parameter. • PLOSSYS parameters: 1000 - 1160 • SAP parameters: 1200 - 1610 • Windows parameters: 2000 - 2040 • SEAL APW parameters: 2500 - 2560

Customer-Specific Parameters - Optional

You may enter the following data, additionally, if you add customer-specific parameters:

parameters, part
1


Data Field	Description
Job Parameter (optional)	<p>Checkbox to decide, whether the parameter is to be used as a job parameter.</p> <p>This parameter is only visible, if you have selected the PLOSSYS tab and Relevant for PLOSSYS 5 or PLOSSYS netdome & PLOSSYS 5.</p> <p> Hint - Default and override mode:</p> <p>If you set up queues later, you can set the values for each queue separately. You can define a default that is used, if in the job no value is specified, or you define an override mode for the value that overwrites any other values.</p>
Filter (optional)	<p>Checkbox to decide, whether the parameter is allowed to be used in the search function.</p>
In Table (optional)	<p>Checkbox for the decision, whether the parameter is displayed in the overview table or not.</p> <p>Parameters that are not displayed in the overview table, may be seen in the detailed queue information.</p>
Options (optional)	<p>List of allowed values</p> <p>You have to specify the particular values separated by a pipe character.</p> <p>These values will be displayed in the table of the queue data in the form of a list box.</p> <p>This parameter is only visible, if you have selected the option menu display type.</p>
Mandatory (optional)	<p>Checkbox for the decision, whether the parameter must be entered when adding a queue or not.</p> <p>This parameter is only visible, if you have selected an appropriate display type.</p>

..... *To be continued*

Customer-Specific Parameters - Optional, Continuation

parameters, part
2

You may enter the following data, additionally, if you add customer-specific parameters:

Data Field	Description
Regular Expression (optional)	Condition for the checkup of the validity of a parameter
Relevant for (optional)	Values: PLOSSYS 5 PLOSSYS netdome PLOSSYS netdome & PLOSSYS 5 This parameter is only visible, if you have selected the PLOSSYS tab.
Bulk Edit (optional)	Checkbox by which you decide, whether this parameter is available for bulk changes.
Tab (optional)	Tab on which a queue parameter is to be displayed in the queue information. Values: COMMON Tab Common Parameters HIDDEN Hidden parameter that is not allowed to be displayed on any tab. PLOSSYS Tab PLOSSYS Parameters SAP Tab SAP Parameters WINDOWS Tab Windows Parameters  Hint - export to PLOSSYS systems If you want to use customer-specific parameters in PLOSSYS systems, you have to assign them to the PLOSSYS tab and specify the corresponding systems at Relevant for.
Default (optional)	Default of the parameter

Windows Queue Templates - Parameters

You may enter the following data for Windows queue templates:

parameters, part
 1

Data Field	Description
Connector (mandatory)	Unique name of the Windows port
Print Processor (mandatory)	The default is WinPrint.
Print Processor Data Type (mandatory)	The default is RAW.
Name (mandatory)	Unique name of the queue template
Driver (mandatory)	Driver that is to be used for the queue.
Duplex (optional)	Values: Simplex Short side Long side
Print Quality (optional)	Resolution that is used for printing Values: 0 100 1200 200 300 400 600 draft high low normal
Colored (optional)	Activates the color printing Values: yes Color printing no Black/white printing
Orientation (optional)	Values: portrait landscape
Paper Size (optional)	Selection of the paper size

..... *To be continued*

Windows Queue Templates - Parameters, Continuation

parameters, part
2

Continuation:

Data Field	Description
Driver Settings (optional)	Driver settings that are to be used for the queue.
Use Driver Settings (optional)	defines, whether the driver settings are allowed to be used for the export. Values: yes The driver may be used. no The driver is not allowed to be used.

Windows Driver - Parameters

You may enter the following data for Windows drivers:


parameters

Data Field	Description
Name (mandatory)	Unique name of the Windows driver
Activated (optional)	defines, whether the driver is allowed to be used for devices. Values: yes The driver may be used. no The driver is not allowed to be used.
Brand (optional)	Printer manufacturer
Configuration (optional)	Name of the file in which the driver configuration is stored.
Model Name (optional)	Printer model

Windows Driver Settings - Parameters

parameters

You may enter the following data for Windows driver settings:

Data Field	Description
Repository (mandatory)	Directory in which the files with the driver settings are stored.
Driver Setting (mandatory)	<p>Unique name of the driver settings.</p> <p>This name is used for</p> <ul style="list-style-type: none"> the subdirectory for the driver: ../server/edc/templates/windows/<i>driver_name</i>/<i>your_name</i>/ the imported file with the driver settings.
Modification Options (optional)	<p>The default is "d u g 8 r".</p> <p>with</p> <p>d printer data</p> <p>u DEVMODE settings of the user</p> <p>g global DEVMODE</p> <p>8 PRINTER_INFO_8</p> <p> related topics</p> <p>For further information about this read: https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/rundll32-printui</p> <p>r resolve name conflicts</p>

Windows Connectors - Parameters

.....
You may enter the following data for Windows ports:

parameters

Data Field	Description
Output Queue/ Port (mandatory)	Internal name: outputqueue
Monitor Type (mandatory)	Values: SEAL Monitor Standard TCP/IP Port The default is Standard TCP/IP Port.
Name (mandatory)	Unique name of the Windows port
Port Name (mandatory)	Default is: IP_ \$1outputdestination\$2_ \$1outputqueue\$2
Protocol (mandatory)	

.....

21 Configuration Parameters - Reference

description

The following chapter lists the configuration parameters and their description.

in this chapter

This chapter deals with the following topics:

Topic	Page
Sections and Keywords at a Glance	245
[APWREST] Section	250
[CSV] Section	260
[CSV\PARAMETERS] Section	264
[EDCEXPORREST] Section	267
[FILTERFAVORITES] Section	277
Section [GENERAL]	281
[GETTING] Section	295
[MAPPING] Section	304
[MAPPING\PARAMETER\ParameterName] Section	306
[OIDC] Section	310
[PLOSSYS5REST] Section	316
[PREDEFINITION\QUEUES] Section	319
[QUEUES\PARAMETERS] Section	320
[SETTING] Section	324
[SYSTEMS] Section	342

Sections and Keywords at a Glance

The following table gives an overview of the sections and the keywords included in each case. You will find the descriptions of the keywords on the pages specified in each case subsequent to this table.

overview, part 1

Sections and Keywords	Page
[APWREST]	250
CONFIG_URI	251
EXPORT_LOG_JSON	252
EXPORT_PASSWORD	253
EXPORT_REALM	254
EXPORT_TO_APWREST	255
EXPORT_URI	256
EXPORT_USERNAME	257
OMSCONFIG_URI	258
RELOADCACHE_URI	259
[CSV]	260
COLUMN_NAMES	261
QUOTE_VALUES	262
SEPARATOR	263
[CSV\PARAMETERS]	264

To be continued

Sections and Keywords at a Glance, Continuation

overview, part 2

Continuation:

Sections and Keywords	Page
[EDCEXPORREST]	267
EXPORT_ISCLI_QUEUE_LIMIT	268
EXPORT_ISCLI_TIMEOUT	269
EXPORT_LOG_JSON	270
EXPORT_PASSWORD	271
EXPORT_REALM	272
EXPORT_STORE_LIMIT	273
EXPORT_URI	274
EXPORT_USERNAME	275
EXPORT_WAITFORCONFIRMATION	276
[FILTERFAVORITES]	277
QUEUE_FILTERFAVORITES	278
SYSTEM_FILTERFAVORITES	279
XXX_FILTERFAVORITES	280

..... To be continued

Sections and Keywords at a Glance, Continuation

Continuation:

overview, part 3

Sections and Keywords	Page
[GENERAL]	281
ACTION_HISTORY_JSON_LOG	282
ACTION_HISTORY_LOG_USERNAME	283
ACTION_HISTORY_USERCOMMENT	284
ACTION_PASSON_SAPQUEUE	285
EXPORT_MODE	286
QUEUESINI_DIR	287
QUEUESINI_SINGLE_FILE	288
SAVE_TEMPORARY_FILES	290
SEAL_WINDOWS_CONFIG	290
SHOW_LAST_ACTION	291
USE_ACTION_HISTORY	292
USE_STRICT_SHOW_RIGHTS	293
VALIDATE_QUEUE_NAME_CASEINSENSITIVE	294
[GETTING]	295
ADD_UNKNOWN_DEPARTMENTS	296
MERGE_QUEUE_DATA	297
ODM_MAX_PROCESSES	298
ODM_TIMEOUT	299
PING_TIMEOUT	300
SNMP_COMMUNITY	301
UPDATE_QUEUES_IN_DB	302
USE_ODM_TOOLS	303

To be continued

Sections and Keywords at a Glance, Continuation

overview, part 4

Continuation:

Sections and Keywords	Page
[MAPPING]	304
FILTER	305
[MAPPING\PARAMETER\ParameterName]	306
VALUE	307
[OIDC]	310
AUTH_ACCESS_MODE	311
AUTH_CLIENT_ID	312
AUTH_CLIENT_SECRET	313
AUTH_ISSUER_URL	314
AUTH_SESSION_MIN_EXPIRETIME	315
[PLOSSYS5REST]	316
EXPORT_LOG_JSON	317
GET_QUEUES_SINGLE_LIMIT	318
[PREDEFINITION\QUEUES]	319
[QUEUES\PARAMETERS]	320
GENERATE_SAP_OM_PADEST	321
GENERATE_SAP_OM_PADEST_AT_IMPORT	322
SAP_OM_PADEST	323

..... To be continued

Sections and Keywords at a Glance, Continuation

Continuation:

overview, part 5

Sections and Keywords	Page
[SETTING]	324
COMBINE_TRAYS_AND_MEDIA	325
FILTER	326
FIX_FILTER	327
FRANS_TIMEOUT	328
KNET_MAX_CONNECT_RETRY	329
PLOSSYS_COPY_TEMPLATES	330
PLOSSYS_ISCLI_TIMEOUT	331
PLOSSYS_RESTART	332
PLOSSYS_SORT_PARAMETER	333
SAP_AUTOSAVE_SAPGENERATED_SHORTNAME	334
SAP_EXPORT_WITHOUT_DEST	335
SAP_EXPORT_WITHOUT_LOMS	336
SAP_SINGLE_FILES	338
SHARE_ALL_QUEUES	339
USE_SEAL_INHOUSE_SWITCH	340
WINDOWS_TEMPLATE	341
[SYSTEMS]	342
PLOSSYS	343
SAP	344
WINDOWS	345

21.1 [APWREST] Section

description

The [APWREST] section contains the settings for the SEAL APW REST interface.

in this section

This section contains the following parameters:

Topic	Page
CONFIG_URI	251
EXPORT_LOG_JSON	252
EXPORT_PASSWORD	253
EXPORT_REALM	254
EXPORT_TO_APWREST	255
EXPORT_URI	256
EXPORT_USERNAME	257
OMSCONFIG_URI	258
RELOADCACHE_URI	259

CONFIG_URI

.....
CONFIG_URI defines the address to which the settings of SEAL APW REST Service are exported. purpose

This setting is used, if SEAL APW Service is installed on the management server with easyPRIMA.

If SEAL APW Service is installed on a server different from the management server with easyPRIMA, the following variable is used:

→ *OMSCONFIG_URI*, Seite 258

.....
This setting is optional. type

.....
The keyword is recorded in the [APWREST] section. section

.....
The item has to have the following format: format

CONFIG_URI = "http://*server name:port number/directory*"

.....
You may specify any path. values

.....
Default is default

http://localhost:8084/apw-rest/settings/sealapw.
.....

EXPORT_LOG_JSON

EXPORT_LOG_JSON defines, whether log file for the export of the queue data is created.

type This setting is optional.

section The keyword is recorded in the [APWREST] section.

format The item has to have the following format:

EXPORT_LOG_JSON = "value"

values You may specify the following values:

Value	Description
N	The log file is not created.
Y	The log file is created.

default Default is N.

EXPORT_PASSWORD

.....
EXPORT_PASSWORD defines, which password is to be used for the queue export. purpose

.....
This setting is optional. type

.....
The keyword is recorded in the [APWREST] section. section

.....
The item has to have the following format: format

EXPORT_PASSWORD = *vaLue*

.....
You may specify any string. values

.....
There is no default. default

EXPORT_REALM

purpose	..... EXPORT_REALM defines in which domain, e. g. Kerberos, the user who wants to execute the export to SEAL APW REST service is to be authenticated.
type	..... This setting is optional.
section	..... The keyword is recorded in the [APWREST] section.
format	..... The item has to have the following format: EXPORT_REALM = <i>value</i>
values	..... You may specify any string.
default	..... There is no default.

EXPORT_TO_APWREST

.....
EXPORT_TO_APWREST defines whether the export of the queue data to SEAL APW REST service is allowed. purpose

.....
This setting is optional. type

.....
The keyword is recorded in the [APWREST] section. section

.....
The item has to have the following format: format

EXPORT_TO_APWREST = "*vaLue*"

.....
You may specify the following values: values

Value	Description
N	The export is not allowed.
Y	The export is allowed.

.....
Default is Y. default

EXPORT_URI

purpose	..... EXPORT_URI defines the directory to which the queue data are exported.
type	..... This setting is optional.
section	..... The keyword is recorded in the [APWREST] section.
format	..... The item has to have the following format: EXPORT_URI = "http:// <i>server_name</i> : <i>port_number</i> / <i>directory</i> "
values	..... You may specify any path.
default	..... Default is http://localhost:8084/apw-rest/admin/printers.

EXPORT_USERNAME

..... EXPORT_USERNAME defines, under which user name the queue export to SEAL APW is to be done.	purpose
..... This setting is optional.	type
..... The keyword is recorded in the [APWREST] section.	section
..... The item has to have the following format: EXPORT_USERNAME = <i>value</i>	format
..... You may specify any string.	values
..... There is no default.	default

OMSCONFIG_URI

purpose	<p>.....</p> <p>OMSCONFIG_URI defines the directory to which the OMS configuration is to be exported.</p> <p>This setting is used, if SEAL APW Service is installed on a server different from the management server with easyPRIMA.</p> <p>If SEAL APW Service is installed on the management server with easyPRIMA, the following variable is used:</p> <p>→ <i>CONFIG_URI</i>, Seite 251</p> <p>.....</p>
type	<p>.....</p> <p>This setting is optional.</p> <p>.....</p>
section	<p>.....</p> <p>The keyword is recorded in the [APWREST] section.</p> <p>.....</p>
format	<p>.....</p> <p>The item has to have the following format:</p> <p>OMSCONFIG_URI = "http://<i>server name:port number/directory</i>"</p> <p>.....</p>
values	<p>.....</p> <p>You may specify any path.</p> <p>.....</p>
default	<p>.....</p> <p>There is no default. You have to activate the keyword first. Then the default is http://<hostname>:8084/apw-rest/admin/omsconfig.</p> <p>.....</p>

RELOADCACHE_URI

RELOADCACHE_URI defines the route to the SEAL APW REST service, by which the update of the queue data in the SEAL APW user interface is triggered immediately after the export. purpose


This setting is optional. type

The keyword is recorded in the [APWREST] section. section

The item has to have the following format: format

RELOADCACHE_URI = "http://server name:port number/directory"


You may specify any path. values

If you wish to enter more than one path, you have to enter them separated by commas and without spaces.  hint - multiple paths

Default is default

http://localhost:8084/apw-rest/admin/commands/reload-cache.

21.2 [CSV] Section

 **Caution** -
without data-
base only

in this section

The settings in the [CSV] section are necessary only, if the batch scripts of easyPRIMA are supposed to import or export queues via CSV files.

This section contains the following parameters:


Topic	Page
COLUMN_NAMES	261
QUOTE_VALUES	262
SEPARATOR	263

COLUMN_NAMES

.....
COLUMN_NAMES defines, whether the CSV file contains a headline with column headings. purpose

.....
This setting is optional. type

.....
The keyword is recorded in the [CSV] section. section

.....
The CSV file contains no headline with column headings:  example
COLUMN_NAMES = "N"

.....
The item has to have the following format: format
COLUMN_NAMES = "*value*"

.....
You may specify the following values: values

Value	Description
N	The CSV file contains no headline with column headings.
Y	The CSV file contains a headline with column headings.

.....
Default is Y. default
.....

QUOTE_VALUES

purpose
QUOTE_VALUES defines, whether the separate values in the CSV file are quoted.
.....

type
This setting is optional.
.....

section
The keyword is recorded in the [CSV] section.
.....



example

The values in the CSV file are quoted:

QUOTE_VALUES = "Y"

format
The item has to have the following format:

QUOTE_VALUES = "*vaLue*"

values
You may specify the following values:

Value	Description
N	The values in the CSV file are not quoted.
Y	The values in the CSV file are quoted.

default
Default is N.
.....

SEPARATOR

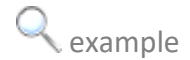
.....
SEPARATOR defines, by which character the values in the CSV file are separated. purpose

.....
This setting is optional. type

.....
The keyword is recorded in the [CSV] section. section

.....
The values in the CSV file are separated by a semicolon:

SEPARATOR = ";"



.....
The item has to have the following format:

SEPARATOR = "*vaLue*"


format

.....
You may specify any character as a value. values

.....
Default is ";".

default

21.3 [CSV\PARAMETERS] Section


 **Caution** -
without data-
base only

The settings in the [CSV\PARAMETERS] section are necessary only, if the batch scripts of easyPRIMA are supposed to import or export queues via CSV files.

description

The [CSV\PARAMETERS] section contains the assignments of the column headings to the appropriate easyPRIMA parameters.

If there are no column headings existing, you have to use the column numbers instead.

 example

The in the CSV file contained columns with the name, the brand and the model type of the device and the information about the three paper trays are assigned to the appropriate easyPRIMA parameters:

```
[CSV\PARAMETERS]
queuename = "QueueName"
devicebrand = "Brand"
devicemodel = "Model"
devicetraytype1 = "Type Drawer 1"
queuetrayformat1 = "Size Drawer 1"
queuetraymedium1 = "Medium Drawer 1"
devicetraytype2 = "Type Drawer 2"
queuetrayformat2 = "Size Drawer 2"
queuetraymedium2 = "Medium Drawer 2"
devicetraytype3 = "Type Drawer 3"
queuetrayformat3 = "Size Drawer 3"
queuetraymedium3 = "Medium Drawer 3"
```

format

The item has to have the following format:

```
parameter = "column_heading"
```

values

You may specify any parameter known by easyPRIMA or any freely definable values, as long as these only contain alphanumeric characters or underlines.

The known easyPRIMA parameters will be mapped to the specific parameters of the output management system, when the queue configurations are exported. Additionally defined own parameters will be transferred to the output management system as they are.

default

There is no default.

..... *To be continued*

[CSV\PARAMETERS] Section, Continuation

By default the following values are available in easyPRIMA:

easyPRIMA pa-
rameters, part 1

Parameters
devicebrand
devicecolor
deviceduplex
devicefinishing
deviceformatlanguage
devicemarginbottom
devicemarginleft
devicemarginright
devicemargintop
devicemaxpage
devicetraycount
devicemodel
deviceoutputbincount
deviceresolution
devicetemplate
devicetraytypen
queuecomment
queuedepartment
queuedriver
queuefallbackfold
queuefallbackformat
queuefallbackmaterial
queuefallbackoutbin
queuefallbackpunch
queuefallbacksort
queuefallbackstaple
queuegroupsallowed
queuegroupsdenied
queuelocation
queuename

To be continued

[CSV\PARAMETERS] Section, Continuation

easyPRIMA pa-
rameters, part 2

Continuation:

Parameters
queueoutputdestination
queueoutputmethod
queueoutputmode
queueoutputqueue
queuesharename
queeservers
queuetemplate
queuetrayformat <i>n</i>
queuetraymedium <i>n</i>
queueupdateflag

21.4 [EDCEXPORREST] Section

.....
The [EDCEXPORREST] section contains the settings for the REST interface for the export to PLOSSYS netdome systems. description

.....
This section contains the following parameters: in this section

Topic	Page
EXPORT_ISCLI_QUEUE_LIMIT	268
EXPORT_ISCLI_TIMEOUT	269
EXPORT_LOG_JSON	270
EXPORT_PASSWORD	271
EXPORT_REALM	272
EXPORT_STORE_LIMIT	273
EXPORT_URI	274
EXPORT_USERNAME	275
EXPORT_WAITFORCONFIRMATION	276

.....

EXPORT_ISCLI_QUEUE_LIMIT

purpose

EXPORT_ISCLI_QUEUE_LIMIT defines the maximum number of queues that easyPRIMA is allowed to export without initiating the rereading of the plossys.cfg.

easyPRIMA exports the queues to the PLOSSYS netdome systems and then sends the command to reread the plossys.cfg. As soon as ISCLI confirms that the plossys.cfg has been reread, easyPRIMA registers the export as successfully finished.

If you wish to export only a single or a few queues, the rereading of the plossys.cfg is too time-consuming. Therefore, the changed queue data are written into the plossys.cfg, whereas the queue data of the running system are updated by separate ISCLI commands.

As the time advantage is only given at the export of a few queues, you are advised to not set the limit too high.

type

This setting is optional.

section

The keyword is recorded in the [EDCEXPORREST] section.

format

The item has to have the following format:


```
EXPORT_ISCLI_QUEUE_LIMIT = "value"
```

values

- You may enter any natural number.
- 0 deactivates the rereading of the plossys.cfg.

default

Default is 0.

 **Caution - UTF-8 characters in PLOSSYS netdome 4.7.0**


If you export queues to PLOSSYS netdome 4.7.0 systems, in rare cases particular Cyrillic, Chinese and Japanese UTF-8 characters are not decoded correctly. In this case set the value to 0.

EXPORT_ISCLI_TIMEOUT

.....
EXPORT_ISCLI_TIMEOUT defines the time interval in seconds that easyPRIMA waits for a confirmation of ISCLI. If this is expired, easyPRIMA aborts the export and adds an appropriate message in the edc.log log file.

purpose

This setting is only included, if the export is done directly by ISCLI commands, i. e. if only a few queues are exported.

 **Caution** - only if


.....
This setting is optional.

type

.....
The keyword is recorded in the [EDCEXPORREST] section.

section

.....
easyPRIMA is to abort the export, if a connection to Frans Server cannot be established within 50 seconds.

 example

```
EXPORT_ISCLI_TIMEOUT = 50
```

.....
The item has to have the following format:

format

```
EXPORT_ISCLI_TIMEOUT = "value"
```

.....
You may enter any natural number.

values

.....
Default is 30.

default

EXPORT_LOG_JSON

purpose
EXPORT_LOG_JSON defines, whether a log file for the export of the queue data to PLOSSYS netdome systems is to be created.

type
This setting is optional.

section
The keyword is recorded in the [EDCEXPORREST] section.

format
The item has to have the following format:
EXPORT_LOG_JSON = "value"

values
You may specify the following values:

Value	Description
N	The log file is not created.
Y	The log file is created.

default
Default is N.
.....

EXPORT_PASSWORD

.....
EXPORT_PASSWORD defines which password is to be used for the queue export to PLOSSYS netdome systems. purpose

.....
This setting is optional. type

.....
The keyword is recorded in the [EDCEXPORREST] section. section

.....
The item has to have the following format: format

EXPORT_PASSWORD = *value*

.....
You may specify any string. values

.....
There is no default. default

EXPORT_REALM

purpose	..... EXPORT_REALM defines in which domain, e. g. Kerberos, the user who wants to execute the export to PLOSSYS netdome systems is to be authenticated.
type	..... This setting is optional.
section	..... The keyword is recorded in the [EDCEXPORREST] section.
format	..... The item has to have the following format: EXPORT_REALM = <i>value</i>
values	..... You may specify any string.
default	..... There is no default.

EXPORT_STORE_LIMIT

.....
EXPORT_STORE_LIMIT defines the maximum number of temporary directories that are allowed to be saved when exporting to PLOSSYS netdome systems. purpose

During the export the required files are written in a temporary directory and copied to the system in one go at the end. The current files are saved in the same temporary directory. Thus the original status of the system can be restored in case of error.

During a new export a new temporary directory is created.

If the number of temporary directories exceeds the number configured here, the oldest directory is deleted.

.....
This setting is optional. type

.....
The keyword is recorded in the [EDCEXPORREST] section. section

.....
The item has to have the following format: format

EXPORT_STORE_LIMIT = "vaLue"

.....
You may enter any natural number. values

.....
Default is 100. default

EXPORT_URI

purpose	..... EXPORT_URI defines the directory to which the queue data are exported.
type	..... This setting is optional.
section	..... The keyword is recorded in the [EDCEXPORREST] section.
format	..... The item has to have the following format: EXPORT_URI = "http:// <i>server_name</i> : <i>port_number</i> / <i>directory</i> "
values	..... You may specify any path.
default	..... Default is http://localhost:8080/edc-restexport/printers.

EXPORT_USERNAME

.....
EXPORT_USERNAME defines under which user name the queue export to PLOSSYS netdome systems is to be executed. purpose

.....
This setting is optional. type

.....
The keyword is recorded in the [EDCEXPORREST] section. section

.....
The item has to have the following format: format

EXPORT_USERNAME = *value*

.....
You may specify any string. values

.....
There is no default. default


EXPORT_WAITFORCONFIRMATION

purpose

.....
EXPORT_WAITFORCONFIRMATION defines when easyPRIMA reports an export as successfully finished.

easyPRIMA exports the queues to the PLOSSYS netdome systems and then sends the command to reread the plossys.cfg. As soon as ISCLI confirms that the plossys.cfg has been reread, easyPRIMA registers the export as successfully finished.

Waiting for the reply may possibly be very time-consuming. Therefore you may disable this option, if necessary.

 hint - exporting few queues

If you export only a few queues a different exporting method will be used:
→ EXPORT_ISCLI_QUEUE_LIMIT, Seite 268

type

.....
This setting is optional.
.....

section

.....
The keyword is recorded in the [EDCEXPORREST] section.
.....

format

The item has to have the following format:
EXPORT_WAITFORCONFIRMATION = "value"
.....

values

You may specify the following values:

Value	Description
N	easyPRIMA is not to wait for the confirmation of ISCLI.
Y	easyPRIMA is to wait for the confirmation of ISCLI.

default

.....
Default is Y.
.....

21.5 [FILTERFAVORITES] Section

.....
The [FILTERFAVORITES] section contains general parameters.

description


.....
This section contains the following parameters:

in this section

Topic	Page
QUEUE_FILTERFAVORITES	278
SYSTEM_FILTERFAVORITES	279
XXX_FILTERFAVORITES	279

.....

QUEUE_FILTERFAVORITES

purpose	<p>.....</p> <p>QUEUE_FILTERFAVORITES defines preferred search terms for queues.</p> <p>Queue parameters that you enter here, will precede the selection list of the parameters in the search mask.</p> <p>.....</p>
type	<p>.....</p> <p>This setting is optional.</p> <p>.....</p>
section	<p>.....</p> <p>The keyword is recorded in the [FILTERFAVORITES] section.</p> <p>.....</p>
 example	<p>You often use the name, location, department and model queue parameters in the search:</p> <pre>QUEUE_FILTERFAVORITES = "name,location,department,model"</pre> <p>.....</p>
format	<p>The item has to have the following format:</p> <pre>QUEUE_FILTERFAVORITES = "value1;value2;value3;...;valuen"</pre> <p>.....</p>
values	<p>You may specify any queue parameter that is available in the selection list.</p> <p>The queue parameters are displayed in the order, in which you have specified them.</p> <p>.....</p>
default	<p>There is no default. You have to activate the keyword first. Then the default is "name,location"</p> <p>.....</p>


SYSTEM_FILTERFAVORITES

.....
SYSTEM_FILTERFAVORITES defines the preferred search terms for systems. purpose

System parameters that you enter here, will precede the selection list of the system parameters in the search mask.

.....
This setting is optional. type

.....
The keyword is recorded in the [FILTERFAVORITES] section. section

.....
You often use the name, system, version and location system parameters in the search:  example

SYSTEM_FILTERFAVORITES = "name,system,version,location"

.....
The item has to have the following format: format

SYSTEM_FILTERFAVORITES = "*value1;value2;value3;...;value*n**"

.....
You may specify any system parameter that is available in the selection list. values

The system parameters are displayed in the order, in which you have specified them.

.....
There is no default. You have to activate the keyword first. Then the default is default
"name"

XXX_FILTERFAVORITES

purpose	<p>.....</p> <p>XXX_FILTERFAVORITES defines preferred search terms for any object for which the search is available, e. g. queue group, system group, contact, queue parameter, templates, driver, ...</p> <p>Parameters that you enter here, will precede the selection list of the parameters in the search mask.</p> <p>.....</p>
type	<p>.....</p> <p>This setting is optional.</p> <p>.....</p>
section	<p>.....</p> <p>The keyword is recorded in the [FILTERFAVORITES] section.</p> <p>.....</p>
format	<p>.....</p> <p>The item has to have the following format:</p> <p>XXX_FILTERFAVORITES = "<i>value1;value2;value3;...;valuen</i>"</p> <p>.....</p>
values	<p>.....</p> <p>You may specify any parameter that is available in the selection list.</p> <p>The parameters are displayed in the order, in which you have specified them.</p> <p>.....</p>
default	<p>.....</p> <p>There is no default. You have to enter keyword and values first.</p> <p>.....</p>

21.6 Section [GENERAL]

.....
The [GENERAL] section contains general parameters.

description

.....
This section contains the following parameters:

in this section


Topic	Page
ACTION_HISTORY_JSON_LOG	282
ACTION_HISTORY_LOG_USERNAME	283
ACTION_HISTORY_USERCOMMENT	284
ACTION_PASSON_SAPQUEUE	285
EXPORT_MODE	286
QUEUESINI_DIR	287
SAVE_TEMPORARY_FILES	289
SEAL_WINDOWS_CONFIG	290
SHOW_LAST_ACTION	291
USE_ACTION_HISTORY	292
USE_STRICT_SHOW_RIGHTS	293
VALIDATE_QUEUE_NAME_CASEINSENSITIVE	294

ACTION_HISTORY_JSON_LOG

purpose
ACTION_HISTORY_JSON_LOG defines, whether an additional log file in JSON format is to be created. This can be imported into Kibana.

type
This setting is optional.

section
The keyword is recorded in the [GENERAL] section.

 example
The Kibana log file is to be created:
ACTION_HISTORY_JSON_LOG = "Y"

format
The item has to have the following format:
ACTION_HISTORY_JSON_LOG = "vaLue"

values
You may specify the following values:

Value	Description
N	The Kibana log file is not required.
Y	The Kibana log file is to be created.

default
Default is N.
.....

ACTION_HISTORY_LOG_USERNAME

.....
ACTION_HISTORY_LOG_USERNAME defines, whether the action is to be saved in the Kibana log with the user name or an anonymized user. purpose

.....
This setting is optional. type

.....
The keyword is recorded in the [GENERAL] section. section

.....
The user name is to be anonymized.  example
ACTION_HISTORY_LOG_USERNAME = "N"

.....
The item has to have the following format: format
ACTION_HISTORY_LOG_USERNAME = "*vaLue*"

.....
You may specify the following values: values

Value	Description
N	The user name is to be anonymized.
Y	The user name is to be saved.

.....
Default is N. default
.....

ACTION_HISTORY_USERCOMMENT

purpose

ACTION_HISTORY_USERCOMMENT defines, whether a comment has to be entered at specific changes in easyPRIMA that are logged. If this keyword is activated, a comment for executing an operation is mandatory.

operations

The following operations are commented:

- Creating, changing and deleting of a queue or a system
- Grouping queues and systems
- Connecting system groups and queue groups



Caution - only if

This parameter is used only, if changes in easyPRIMA are logged that is the USE_ACTION_HISTORY parameter is set to "Y", see page 292.

type

This setting is optional.

section

The keyword is recorded in the [GENERAL] section.



example

The entry of a comment about the change is to be forced:

```
ACTION_HISTORY_USERCOMMENT = "Y"
```

format

The item has to have the following format:

```
ACTION_HISTORY_USERCOMMENT = "value"
```

values

You may specify the following values:

Value	Description
N	Comments about changes are not needed.
Y	A comment about the change is mandatory.

default


Default is N.

ACTION_PASSON_SAPQUEUE

.....
ACTION_PASSON_SAPQUEUE activates a button in the queue list with which you may create several SAP queues to a master queue. purpose

This enables you to activate a physical output device within an SAP system with different output parameters.

For these SAP queues new queue parameters are required. If you wish to generate SAP queues with this method, you need to set the ACTION_PASSON_SAPQUEUE parameter to "Y" and then re-import the SAP queue parameters in easyPRIMA:


 **Caution** - new queue parameters

→ *Add Customer-Specific Parameters, Seite 116*

.....
This setting is optional. type

.....
The keyword is recorded in the [GENERAL] section. section

.....
The operating sequences to generate SAP queues are to be activated:

 example

ACTION_PASSON_SAPQUEUE = "Y"

.....
The item has to have the following format:

format

ACTION_PASSON_SAPQUEUE = "value"


.....
You may specify the following values:

values

Value	Description
N	The button for the generation of SAP queues is deactivated.
Y	The button for the generation of SAP queues is activated.


.....
Default is N. default

EXPORT_MODE


purpose	EXPORT_MODE defines which method is used for exporting the queue data.
type	This setting is optional.
section	The keyword is recorded in the [GENERAL] section.
format	The item has to have the following format: EXPORT_MODE = " <i>value</i> "
values	You may specify the following values: <ul style="list-style-type: none"> • FILE Export via FransS/kNet, i. e. all queue configurations of a system are exported. • REST Export via REST service, i. e. only those queue configurations are exported that have been added, changed or deleted since the last export. • REST_OR_FILE The export is preferably done via REST service. If the REST service is not reachable, the export is done via FransS/kNet.
 Caution - PLOSSYS net-dome systems	If you wish to export queue configurations to a PLOSSYS netdome system via REST service, a corresponding REST service has to be installed in the PLOSSYS netdome system.
default	Default is FILE.

QUEUESINI_DIR

.....
This parameter is no longer required.
.....

 **caution** - not used any more

QUEUESINI_SINGLE_FILE

 **Caution** - required if

This parameter is necessary only if you have set up more than 256 queue groups in easyPRIMA and use SEAL Master Driver version 6.x for printing under Windows.

As of SEAL Master Driver Version 7.x this parameter is no longer required.

purpose

QUEUESINI_SINGLE_FILE specifies that easyPRIMA exports the queue data for SEAL Master Driver to one single queues.ini file.

Usually easyPRIMA creates several .ini files:

- One file for each existing queue group:
queuegroup.queuegroupname.queues.ini.
This contains the data of all queues that belong to this queue group.
- One queuegroups.ini file. This contains the list of the individual queue group .ini files.

SEAL Master Driver Version 6.x can only process a maximum number of 256 individual queue groups .ini files. If easyPRIMA exports the queue data to one single .ini file, the number of queue groups may be higher.

type

This setting is optional.

section

The keyword is recorded in the [GENERAL] section.

format

The item has to have the following format:

QUEUESINI_SINGLE_FILE = "value"

values

You may specify the following values:

Value	Description
N	easyPRIMA exports the queue data to the standard files.
Y	easyPRIMA exports the queue data to one single file.

default


Default is N.

SAVE_TEMPORARY_FILES

.....
SAVE_TEMPORARY_FILES defines, whether the temporary files that are needed during the export to SAP systems are to be saved.

purpose

You should activate SAVE_TEMPORARY_FILES only in case of export problems for error analysis. The temporary files are partially very large and allocate accordingly a lot of memory capacity. You have to delete the files manually, if you do not need them anymore.

 **Caution** - increased memory requirements

.....
This setting is optional.

type

.....
The keyword is recorded in the [GENERAL] section.

section

.....
The item has to have the following format:

format

SAVE_TEMPORARY_FILES = "Value"

.....
You may specify the following values:

values

Value	Description
N	Temporary files are not saved.
Y	Temporary files are saved in the data\edc directory.

.....
Default is N.

default

SEAL_WINDOWS_CONFIG

purpose

SEAL_WINDOWS_CONFIG defines, whether the files with the queue information are created which are needed for Windows printing:

→ *QUEUESINI_DIR*, Seite 287

type

This setting is optional.

section

The keyword is recorded in the [GENERAL] section.



example

The files with the queue information are not to be created:

SEAL_WINDOWS_CONFIG = "N"

format

The item has to have the following format:

SEAL_WINDOWS_CONFIG = "*value*"

values

You may specify the following values:

Value	Description
N	The files with the queue information are not to be created.
Y	The files with the queue information are to be created:

default


Default is Y.

SHOW_LAST_ACTION

.....
SHOW_LAST_ACTION defines, whether in the queue data the additional queue parameter Last Modification is to be displayed, in which date and initiator of the last modification made in the queue data are saved. purpose

.....
This setting is optional. type

.....
The keyword is recorded in the [GENERAL] section. section

.....
Date and initiator of the last modification in the queue data are to be displayed as queue parameter:  example

SHOW_LAST_ACTION = "Y"

.....
The item has to have the following format: format

SHOW_LAST_ACTION = "*Value*"

.....
You may specify the following values: values

Value	Description
N	The last modification is not to be displayed.
Y	The last modification is to be displayed.

.....
Default is N. default

USE_ACTION_HISTORY

purpose USE_ACTION_HISTORY defines, whether changes in easyPRIMA are logged.

type This setting is optional.

section The keyword is recorded in the [GENERAL] section.

format The item has to have the following format:

USE_ACTION_HISTORY = "value"

values You may specify the following values:

Value	Description
N	Changes are not to be logged.
Y	Changes are to be logged.

default Default is Y.

USE_STRICT_SHOW_RIGHTS

USE_STRICT_SHOW_RIGHTS defines, whether users that are not logged on are granted reading access to easyPRIMA or not. purpose

This setting is optional. type

The keyword is recorded in the [GENERAL] section. section

The item has to have the following format: format

USE_ACTION_HISTORY = "value"

You may specify the following values: values

Value	Description
N	Not logged on users do have reading access.
Y	Not logged on users do not have any access.

Default is N. default

VALIDATE_QUEUENAME_CASEINSENSITIVE

purpose

VALIDATE_QUEUENAME_CASEINSENSITIVE defines, whether easyPRIMA validates queue names independent of their upper and lower case spelling when it creates queues. Thus you can avoid queue duplicates with the same character sequence.

type

This setting is optional.

section

The keyword is recorded in the [GENERAL] section.

format

The item has to have the following format:

VALIDATE_QUEUENAME_CASEINSENSITIVE = "value"

values

You may specify the following values:

Value	Description
N	easyPRIMA validates queue names case-sensitively.
Y	easyPRIMA validates queue names case-insensitively.

default

Default is Y.

21.7 [GETTING] Section

.....
The settings in the [GETTING] section are used for the import of the queue configurations from the known output management systems. description

.....
This section contains the following parameters: in this section

Topic	Page
ADD_UNKNOWN_DEPARTMENTS	296
MERGE_QUEUE_DATA	297
ODM_MAX_PROCESSES	298
ODM_TIMEOUT	299
PING_TIMEOUT	300
SNMP_COMMUNITY	301
UPDATE_QUEUES_IN_DB	302
USE_ODM_TOOLS	303

.....

ADD_UNKNOWN_DEPARTMENTS

purpose


.....
ADD_UNKNOWN_DEPARTMENTS defines, whether departments that are not yet recorded in easyPRIMA, are to be accepted, when queues are imported into the easyPRIMA database.
.....

type

.....
This setting is optional.
.....

section

.....
The keyword is recorded in the [GETTING] section.
.....

 example

.....
Departments not yet existing are not to be accepted in the easyPRIMA database:
.....

ADD_UNKNOWN_DEPARTMENTS = "N"
.....

format

.....
The item has to have the following format:
.....

ADD_UNKNOWN_DEPARTMENTS = "*value*"
.....

values

.....
You may specify the following values:
.....

Value	Description
N	Departments not yet existing are to be ignored. The item for the department in the easyPRIMA database will remain empty.
Y	Departments not yet existing are to be accepted in the easyPRIMA database.

default


.....
Default is Y.
.....

MERGE_QUEUE_DATA

MERGE_QUEUE_DATA defines, whether data of existing queues are to be merged with newly imported data for the same queue, when queues are imported into the easyPRIMA database. This setting is always effective for all queues.

purpose

This parameter is used only, if updating the queue data in the easyPRIMA database is allowed in general, that means that the UPDATE_QUEUES_IN_DB parameter is set to Y, see page 302.

 **Caution** - only if


This setting is optional.

type

The keyword is recorded in the [GETTING] section.

section

Data of existing queues are not to be merged with newly imported data for the same queue, but remain unchanged:

 example

```
MERGE_QUEUE_DATA = "N"
```

The item has to have the following format:

format

```
MERGE_QUEUE_DATA = "value"
```

To be continued

You may specify the following values:

values

Value	Description
N	Data of existing queues remain unchanged.
Y	Data of existing queues are merged with newly imported data for the same queue. The data are merged as follows: <ul style="list-style-type: none">• All parameters of the queue will be overwritten with the specific values of the newly imported data.• If the values of the newly imported data are empty, the old value will continue.• Data of brand, model and template will be accepted only, if proper values, for which a template is existing in the easyPRIMA database, are provided by the external system, or if here no values are recorded yet for this queue. In any other case the existing values will continue.

Default is Y.

default

ODM_MAX_PROCESSES

purpose

.....
ODM_MAX_PROCESSES defines the maximum number of query processes easyPRIMA is allowed to start in parallel to directly retrieve the device configuration of network printers.



Caution - only if

.....
This parameter is used only, if the direct inquiry of network printers is activated in general, i. e. the parameter USE_ODM_TOOLS is set to Y, see page 303.

type

.....
This setting is optional.

section

.....
The keyword is recorded in the [GETTING] section.



example

.....
easyPRIMA is allowed to start a maximum of 50 processes in parallel to directly retrieve the device configuration of network printers:

ODM_MAX_PROCESSES = 50

format

.....
The item has to have the following format:

ODM_MAX_PROCESSES = "VaLue"

values

.....
You may enter any natural number.

default


.....
Default is 40.
.....

ODM_TIMEOUT

.....
ODM_TIMEOUT defines the time period in seconds that easyPRIMA waits for a response of the network printer. If this is expired, easyPRIMA aborts its query and adds an appropriate message in the edc.log log file.

purpose

.....
This parameter is used only, if the direct inquiry of network printers is activated in general, i. e. the parameter USE_ODM_TOOLS is set to Y, see page 303.

 **Caution** - only if


.....
This setting is optional.

type

.....
The keyword is recorded in the [GETTING] section.

section

.....
The query of the network printer is to be aborted after 20 seconds, in which no response has been received:

 example

ODM_TIMEOUT = 20

.....
The item has to have the following format:

format

ODM_TIMEOUT = "VaLue"

.....
You may enter any natural number.

values

.....
Default is 15.

default

PING_TIMEOUT

purpose

PING_TIMEOUT defines the time period in seconds that easyPRIMA waits for a response of the network printer. If this is expired, easyPRIMA does not send a request to the network printer.



Caution - only if

This parameter is used only, if the direct inquiry of network printers is activated in general, i. e. the parameter USE_ODM_TOOLS is set to Y, see page 303.

type

This setting is optional.

section

The keyword is recorded in the [GETTING] section.



example

easyPRIMA is to wait 10 seconds for the response of the network printer:

```
PING_TIMEOUT = 10
```

format

The item has to have the following format:

```
PING_TIMEOUT = "value"
```

values

You may specify the following values:

- any natural number
time interval in seconds
- 0
easyPRIMA does not send a ping.

default

Default is 5.

SNMP_COMMUNITY

.....
SNMP_COMMUNITY defines the SNMP community string, with which requests via SNMP interface are authorized. purpose

.....
The SNMP community string is a simple form of access protection, comparable to a password. This is supposed to protect the statistics data of a device, for example a router or printer, from unauthorized access. SNMP community string

Different SNMP managers may be combined to a group, the Community, the access rights of which are defined in a Community Profile. The SNMP community string confirms the affiliation to such a group.


If requests are sent to the SNMP interface of a device, the SNMP community string has to be attached. If this is correct, the device will provide the requested information, otherwise it will not reply.

Devices are delivered usually with the default `public`. This has to be changed, when the devices are setup by the administrator, if necessary.

SNMP community strings are used only by devices that support the SNMPv1 and SNMPv2c protocols. SNMP protocols

.....
This setting is optional. type

.....
The keyword is recorded in the [GETTING] section. section

.....
The ODM request is supposed to be made with the Community `private`:  example
SNMP_COMMUNITY = "private"

.....
The item has to have the following format: format
SNMP_COMMUNITY = "value"

.....
You may specify any string that is accordingly set at the device. values

.....
The default is `public`. default

UPDATE_QUEUES_IN_DB

purpose

.....
UPDATE_QUEUES_IN_DB defines, whether during the importing of queues into the easyPRIMA database, existing queues are to be overwritten. This setting is always effective for all queues.
.....

type

.....
This setting is optional.
.....

section

.....
The keyword is recorded in the [GETTING] section.
.....



example

.....
Existing queues are not to be overwritten during potentially made later imports:
.....

UPDATE_QUEUES_IN_DB = "N"
.....


format

.....
The item has to have the following format:
.....

UPDATE_QUEUES_IN_DB = "VaLue"
.....

values

.....
You may specify the following values:
.....

Value	Description
N	Existing queues are to be ignored during following imports..
Y	Existing queues are to be overwritten during following imports.  Caution - no confirmation prompt: With this setting the queues will be overwritten in any case. There is no confirmation prompt.

default

.....
Default is Y.
.....

USE_ODM_TOOLS

USE_ODM_TOOLS defines, whether easyPRIMA shall try to directly contact network printers and retrieve their current device configuration, when importing queues from external systems. This setting is always effective for all queues.

purpose

This setting is optional.

type

The keyword is recorded in the [GETTING] section.

section

easyPRIMA is to try to directly contact network printers and retrieve their current device configuration, when importing queues:

 example

```
USE_ODM_TOOLS = "Y"
```


The item has to have the following format:

format

```
USE_ODM_TOOLS = "value"
```

You may specify the following values:

values

Value	Description
N	easyPRIMA is to use the data imported from the system.
Y	easyPRIMA is to try to directly contact network printers and retrieve their current device configuration, when importing queues.  Caution - performance: This setting is always effective for all queues. If you activate this parameter, this will have significant effect on the duration of the import process.


Default is N.

default


21.8 [MAPPING] Section

description

.....
The settings in the [MAPPING] section are used for the mapping of the parameters. The imported queue configurations will be modified according to the specified rules and completed with parameters from the template files.

 hint - specific rules for the import

If you need to define settings that are to be used exclusively for importing queue configurations, you have to add a section named [MAPPING\GETTING] in the edc.cfg configuration file and there enter the parameters with their import-specific settings, the values of which differ from the settings in the [MAPPING] section.

 hint - specific rules for the export

If you need to define settings that are to be used for the export of the queue configurations exclusively, you have to add a section with the name [MAPPING\SETTING] and there enter the parameters with their export-specific settings, the values of which differ from the settings in the [MAPPING] section.

in this section

.....
This section contains the following parameters:


Topic	Page
FILTER	305

FILTER

.....
FILTER defines, which queues are to be included in the export.

purpose

The FILTER parameter is interpreted at different times in the [MAPPING] and [SETTING] sections. The parameter in the [MAPPING] section is checked before the changing of the queue parameters by the parameter mapping, the parameter in the [SETTING] section is checked after the changing of the queue parameters by the parameter mapping.

 **Caution** - time of using


.....
This setting is optional.

type

.....
The keyword is recorded in the [MAPPING] section.

section

.....
easyPRIMA is supposed to export only queues, the name of which begins with HP, independent of case sensitivity:

 example

```
FILTER = "QueueName =~ /^HP/i"
```

.....
The item has to have the following format:

format

```
FILTER = "QueueParameter =~ regular expression"
```

.....
You may specify any queue parameters and any regular expressions. The syntax of the regular expressions corresponds to the common Perl syntax.

values

You may combine several regular expressions with the logical operators AND and OR, and influence the order of interpretation with ().

Queue parameters and regular expressions are allowed to contain environment variables in the form of %Variable%.

You may use the following special parameters to make the mapping dependent on the specific system:

Parameters	Description
OMS_PORT	Port number of the system, or the client of the SAP system
OMS_SYSTEM	Server name of the system, or the name of the SAP system
OMS_TYPE	Type of the system, for example PLOSSYS or DMS
OMS_USER	User name for accessing the system


.....
There is no default.

default


21.9 [MAPPING\PARAMETER\ParameterName] Section

description

In the [MAPPING\PARAMETER\ParameterName] section the rules are defined according to which the parameter specified at the end of the section name is changed or created. Each line defines a new value and the rule, when it is to be set. The keyword remains unchanged.

 hint - specific rules for the import

If you need to define rules that are to be used exclusively for importing queue configurations, in the `edc.cfg` configuration file, you have to add a section named [MAPPING\GETTING\PARAMETER\ParameterName] and there enter the import-specific rules.

 hint - specific rules for the export

If you need to define rules that are to be used exclusively for exporting queue configurations, in the `edc.cfg` configuration file, you have to add a section named [MAPPING\SETTING\PARAMETER\ParameterName] and there enter the export-specific rules.

in this section

This section contains the following parameters:


Topic	Page
VALUE	307

VALUE

.....
 VALUE defines a value to which the queue parameter specified in the section name is to be set, and a rule, when this value is to be set. purpose

.....
 This setting is optional. type

.....
 The keyword is recorded in the [MAPPING\PARAMETER\ParameterName] section. section

.....
 The `cdout.pdf_vr_pdf` queue template is suppose to be used, if no `devicetemplate` is specified and if the value of `devicemodel` contains `cdout` independent of case sensitivity:  example

```
[MAPPING\PARAMETER\devicetemplate]
VALUE = "cdout.pdf_vr_pdf" IF "devicetemplate =~ /^$/ and
    devicemodel =~ /cdout/i"
```

.....
 The item has to have one of the following formats: format

type	Format and Meaning
1	VALUE = "Value" The parameter is set to the specified value.
2	VALUE = "Value" IF "regular expression" The parameter is set to the specified value only, if the queue matches the specified regular expression.
3	VALUE = REMOVE The parameter will be deleted.
4	VALUE = REMOVE IF "regular expression" The parameter will be deleted only, if the queue matches the specified regular expression.

..... *To be continued*

VALUE, Continuation

values

.....

You may specify any queue parameters and any regular expressions. The syntax of the regular expressions corresponds to the common Perl syntax.

You may combine several regular expressions with the logical operators AND and OR, and influence the order of interpretation with ().

Queue parameters and regular expressions are allowed to contain environment variables in the form of %Variable%.

You may use the following special parameters to make the mapping dependent on the specific system:

Parameters	Description
OMS_PORT	Port number of the system, or the client of the SAP system
OMS_SYSTEM	Server name of the system, or the name of the SAP system
OMS_TYPE	Type of the system, for example PLOSSYS or DMS
OMS_USER	User name for accessing the system

..... *To be continued*

VALUE, Continuation

.....
The value may contain references to other queue parameters. The syntax of these variables has to match one of the following.:

values with references to other parameters

Variant	Syntax and Meaning
1	<i>%ParameterName%</i> The specified queue parameter will be replaced by its value.
2	<i>%index:ParameterName%</i> The specified queue parameter will be replaced by the part of its value that begins with the character, the number of which matches the number specified as index. The counting of the index starts with 0. This allows to cut off characters at the beginning that are not needed.
3	<i>%format:ParameterName%</i> The specified queue parameter will be replaced by its value, after this has been changed into the specified format. The format corresponds to the common printf format of C.
4	<i>%format:index:ParameterName%</i> The value will be cut according to the specified index as explained in variant 2, and then changed into the specified format as explained in variant 3. The value created this way will be used.

.....
There is no default.

default

21.10 [OIDC] Section

description

The [OIDC] section contains the logon credentials to the OIDC or Keycloak server.

If you have registered easyPRIMA at the OIDC or Keycloak server, you can configure the logon credentials here.

in this section

This section contains the following parameters:

Topic	Page
AUTH_ACCESS_MODE	311
AUTH_CLIENT_ID	312
AUTH_CLIENT_SECRET	313
AUTH_ISSUER_URL	314
AUTH_SESSION_MIN_EXPIRETIME	315

AUTH_ACCESS_MODE

.....
AUTH_ACCESS_MODE defines the method by which an access token is retrieved. purpose

.....
This setting is optional. type

.....
The keyword is recorded in the [OIDC] section. section


.....
The item has to have the following format: format

AUTH_ACCESS_MODE = "value"

.....
You may specify the following values: values

- REMOTE
easyPRIMA retrieves the access token directly from Keycloak.
In this case you have to configure the AUTH_ISSUER_URL, AUTH_CLIENT_ID and AUTH_CLIENT_SECRET parameters.
- SESSION
easyPRIMA uses the access token of SEAL Control Center Session.
In this case you have to activate ENABLE_OIDC in der passwd.cfg configuration file.
If necessary, adjust the value of AUTH_SESSION_MIN_EXPIRETIME.

.....
If you use the SESSION value, you need SEALCC version 2.1.0 or later versions.

 **Caution** -
SEALCC version

.....
Default is "REMOTE". default

AUTH_CLIENT_ID


purpose	..... AUTH_CLIENT_ID contains the identifier with which easyPRIMA has been registered at the Keycloak server.
type	..... This setting is optional.
section	..... The keyword is recorded in the [OIDC] section.
format	..... The item has to have the following format: AUTH_CLIENT_ID = " <i>value</i> "
values	..... You may specify any string.
default	..... Default is "seal-easyprima".

AUTH_CLIENT_SECRET

.....
AUTH_CLIENT_SECRET contains the secret for easyPRIMA created by Keycloak. purpose

.....
This setting is optional. type

.....
The keyword is recorded in the [OIDC] section. section

.....
Keycloak has delivered the following secret for easyPRIMA:  example

AUTH_CLIENT_SECRET = "aa78902d-b5ae-4529-9324-146e25583c2f"

.....
The item has to have the following format: format

AUTH_CLIENT_SECRET = "*value*"

.....
You have to specify the secret created by Keycloak. values

.....
There is no default. default

AUTH_ISSUER_URL

purpose

AUTH_ISSUER_URL contains the URL for the connection to the Keycloak server.



hint - connection

As of Keycloak version 21.0.1, the connection to the Keycloak server has to be secured.

type

This setting is optional.

section

The keyword is recorded in the [OIDC] section.



example

easyPRIMA is to connect to the Keycloak server using the following URL:

```
AUTH_ISSUER_URL = "https://<keycloak_server>:32769/realms/SEAL/protocol/openid-connect/token"
```

format

The item has to have the following format:

```
AUTH_ISSUER_URL = "URL"
```

values

You may specify any path.

default

Default is

- for a secure connection to Keycloak 21.0.1:
`https://<OIDC-Server Hostname>:32769/realms/SEAL/protocol/openid-connect/token`
- for a secure connection to Keycloak 15.0.0:
`https://<OIDC-Server Hostname>:32769/auth/realms/SEAL/protocol/openid-connect/token`
- for an insecure connection to Keycloak 15.0.0:
`http://<OIDC-Server Hostname>:32768/auth/realms/SEAL/protocol/openid-connect/token`

AUTH_SESSION_MIN_EXPIRETIME

.....
AUTH_SESSION_MIN_EXPIRETIME defines the time in seconds that the current access token has to be valid at the least before it is renewed. purpose

If the access token is not valid long enough any more, a new access token is retrieved immediately. Then the export is started.

.....
This setting is optional. type

.....
The keyword is recorded in the [OIDC] section. section

.....
The item has to have the following format: format

AUTH_SESSION_MIN_EXPIRETIME = "value"

.....
You may enter any natural number. values

.....
Default is 900. default

21.11 [PLOSSYS5REST] Section

description

.....
The [PLOSSYS5REST] section contains the settings for the REST interface for the export to PLOSSYS 5 systems.
.....

in this section

.....
This section contains the following parameters:
.....

Topic	Page
EXPORT_LOG_JSON	317
GET_QUEUES_SINGLE_LIMIT	318

.....

EXPORT_LOG_JSON

.....
EXPORT_LOG_JSON defines, whether a log file for the export of the queue data to PLOSSYS 5 systems is to be created. purpose

.....
This setting is optional. type

.....
The keyword is recorded in the [PLOSSYS5REST] section. section

.....
The item has to have the following format: format

EXPORT_LOG_JSON = "value"

.....
You may specify the following values: values

Value	Description
N	The log file is not created.
Y	The log file is created.


.....
Default is N. default

GET_QUEUES_SINGLE_LIMIT

purpose	<p>.....</p> <p>EXPORT_ISCLI_QUEUE_LIMIT defines the maximum number of queues that easyPRIMA is allowed to export without retrieving the data of all queues from the PLOSSYS 5 system.</p> <p>If you wish to export only a single or a few queues, retrieving the data of all queues of the PLOSSYS 5 system is too time-consuming. Hence only the queue data of the queues to be updated are retrieved.</p> <p>As the time advantage is only given at the export of a few queues, you are advised to not set the limit too high.</p> <p>.....</p>
type	<p>.....</p> <p>This setting is optional.</p> <p>.....</p>
section	<p>.....</p> <p>The keyword is recorded in the [PLOSSYS5REST] section.</p> <p>.....</p>
format	<p>.....</p> <p>The item has to have the following format:</p> <p>GET_QUEUES_SINGLE_LIMIT = "<i>vaLue</i>"</p> <p>.....</p>
values	<p>.....</p> <p>You may enter any natural number.</p> <p>.....</p>
default	<p>.....</p> <p>Default is 20.</p> <p>.....</p>

21.12 [PREDEFINITION\QUEUES] Section

.....
The settings in the [PREDEFINITION\QUEUES] section are needed only, if you do not want to specify the defaults in the user interface or if you wish to initialize other parameters.

 hint - alternative only

You have to add this section in the edc.cfg in case of need.

.....
In the [PREDEFINITION\QUEUES] section you may set the defaults for queue parameters or other parameters as well.

description

.....
In the comment the text „Testqueue“ is to be written, followed by the queue name:

 example

```
COMMENT= "Testqueue %Name%"
```

.....
The item has to have the following format:

format

```
Parameter = "Value"
```

.....
You may specify the following values:

values

- Fix texts
- Variables, whereat you may specify values of other parameters as variables as well.
- A combination of fix texts and variables

.....
There is no default.

default

21.13 [QUEUES\PARAMETERS] Section

description

The settings in the [QUEUES\PARAMETERS] section are used for generating SAPSPOOL short names.

in this section

This section contains the following parameters:


Topic	Page
GENERATE_SAP_OM_PADEST	321
GENERATE_SAP_OM_PADEST_AT_IMPORT	322
GENERATE_SAP_OM_PADEST	323

GENERATE_SAP_OM_PADEST

.....
GENERATE_SAP_OM_PADEST defines, whether a unique SAPSPOOL short name is to be set automatically when a queue is copied. purpose

.....
This setting is optional. type

.....
The keyword is recorded in the [QUEUES\PARAMETERS] section. section

.....
SAPSPOOL short names are to be set automatically when creating a queue:  example
GENERATE_SAP_OM_PADEST = "Y"

.....
The item has to have the following format: format
GENERATE_SAP_OM_PADEST = "*value*"

.....
You may specify the following values: values

Value	Description
N	The SAPSPOOL short name has to be set manually.
Y	The SAPSPOOL short name is set automatically. As the initial value for the generated names the value set in the following parameter is used: → SAP_OM_PADEST, Seite 323

.....
Default is N. default
.....

GENERATE_SAP_OM_PADEST_AT_IMPORT

purpose


GENERATE_SAP_OM_PADEST_AT_IMPORT defines, whether a unique SAPSPOOL short name is to be set automatically when a queue is imported via CSV file.

type

This setting is optional.

section

The keyword is recorded in the [QUEUES\PARAMETERS] section.

 example

SAPSPOOL short names are to be set automatically when creating a queue:

```
GENERATE_SAP_OM_PADEST = "Y"
```

format

The item has to have the following format:

```
GENERATE_SAP_OM_PADEST = "vaLue"
```

values

You may specify the following values:

Value	Description
N	The SAPSPOOL short name is not set.
Y	The SAPSPOOL short name is set automatically. As the initial value for the generated names the value set in the following parameter is used: → <i>SAP_OM_PADEST</i> , Seite 323

default


Default is N.

SAP_OM_PADEST

.....
SAP_OM_PADEST defines the initial value for the automatic setting of the SAPSPOOL short name.

purpose

This parameter is used only, if the automatic generation of SAPSPOOL short names is activated that is the GENERATE_SAP_OM_PADEST parameter is set to "Y", see page 321.

 **Caution** - only if


.....
This setting is optional.

type

.....
The keyword is recorded in the [QUEUES\PARAMETERS] section.

section

.....
Initial value for the automatic setting of the SAPSPOOL short name is A001:

 example

SAP_OM_PADEST = "A001"

.....
The item has to have the following format:

format

SAP_OM_PADEST = "*value*"

.....
You may specify any string.

values

You may use regular expressions in the name.

If you use numbers, we recommend to set the initial value not too high as it may reach the value overflow very soon which might cause problems.

 **Caution** - value overflow

.....
There is no default.

default

21.14 [SETTING] Section

description

The settings in the [SETTING] section are used for the export of the queue configurations into the known output management systems.

in this section

This section contains the following parameters:

Topic	Page
COMBINE_TRAYS_AND_MEDIA	325
FILTER	326
FIX_FILTER	327
FRANS_TIMEOUT	328
KNET_MAX_CONNECT_RETRY	329
PLOSSYS_COPY_TEMPLATES	330
PLOSSYS_ISCLI_TIMEOUT	331
PLOSSYS_RESTART	332
PLOSSYS_SORT_PARAMETER	333
SAP_AUTOSAVE_SAPGENERATED_SHORTNAME	334
SAP_EXPORT_WITHOUT_DEST	335
SAP_EXPORT_WITHOUT_LOMS	336
SAP_SINGLE_FILES	338
SHARE_ALL_QUEUES	339
USE_SEAL_INHOUSE_SWITCH	340
WINDOWS_TEMPLATE	341

COMBINE_TRAYS_AND_MEDIA

COMBINE_TRAYS_AND_MEDIA specifies whether the Tray, Medium and Paper Selection queue parameters in SEAL Master Driver are to be combined to one single parameter.

purpose

This setting is optional.

type

The keyword is recorded in the [SETTING] section.

section

The Tray, Medium and Paper Selection queue parameters are to be combined to one single parameter

 example

```
COMBINE_TRAYS_AND_MEDIA = "Y"
```

The item has to have the following format:

format

```
COMBINE_TRAYS_AND_MEDIA = "value"
```

You may specify the following values:

values

Value	Description
N	The Tray, Medium and Paper Selection queue parameters are used as two separate parameters in SEAL Master Driver. You may select both parameters separately in the Windows printing dialog.
Y	The "Tray, Medium" and "Paper Selection" parameters are combined to one single parameter in SEAL Master Driver. You can only select a combination of the two parameters in the Windows printing dialog.

Default is N.

default

FILTER

purpose

.....
FILTER defines, which queues are to be included in the export.



Caution -
time of using

The FILTER parameter is interpreted at different times in the [MAPPING] and [SETTING] sections. The parameter in the [MAPPING] section is checked before the changing of the queue parameters by the parameter mapping, the parameter in the [SETTING] section is checked after the changing of the queue parameters by the parameter mapping.

type

.....
This setting is optional.

section

.....
The keyword is recorded in the [SETTING] section.
.....



example

easyPRIMA is supposed to export only queues, the name of which begins with HP, independent of case sensitivity:

```
FILTER = "QueueName =~ /^HP/i"
```

format

.....
The item has to have the following format:

```
FILTER = "QueueParameter =~ regular expression"
```

values

.....
You may specify any queue parameters and any regular expressions.

The syntax of the regular expressions corresponds to the common Perl syntax.

You may combine several regular expressions with the logical operators AND and OR, and influence the order of interpretation with ().

Queue parameters and regular expressions are allowed to contain environment variables in the form of *%Variable%*.

default

.....
There is no default.
.....

FIX_FILTER

.....
FIX_FILTER defines, which queues in the target system are to be excluded from changes by the export. The queues are not allowed to be updated or deleted.
.....

purpose


.....
This setting is optional.
.....

type

.....
The keyword is recorded in the [SETTING] section.
.....

section

.....
easyPRIMA is supposed to leave those queues in the target systems unchanged, which have no item in the share name of the queue, the queue name of which contains either `_vr_` or `Native`, and which have no item in the PLOSSYS netdome queue parameter CONFIG:
.....

 example

```
FIX_FILTER = "(queuename =~ /^$/ or queuename =~ /_vr_/ or queuename =~ /Native/) and CONFIG =~ /^$/"
```

.....

The item has to have the following format:
.....

format

```
FIX_FILTER = "QueueParameter =~ regular expression"
```

.....

You may specify any queue parameters and any regular expressions.
.....

values

The syntax of the regular expressions corresponds to the common Perl syntax.


You may combine several regular expressions with the logical operators AND and OR, and influence the order of interpretation with `()`.

Queue parameters and regular expressions are allowed to contain environment variables in the form of `%Variable%`.

.....
There is no default.
.....

default

FRANS_TIMEOUT


purpose	<p>.....</p> <p>ODM_TIMEOUT defines the time interval in seconds in which easyPRIMA attempts to connect to Frans Server. If this is expired, easyPRIMA aborts the export and adds an appropriate message in the edc.log log file.</p> <p>.....</p>
type	<p>.....</p> <p>This setting is optional.</p> <p>.....</p>
section	<p>.....</p> <p>The keyword is recorded in the [SETTING] section.</p> <p>.....</p>
 example	<p>easyPRIMA is to abort the export, if a connection to Frans Server cannot be established within 10 seconds.</p> <p>ODM_TIMEOUT = 10</p> <p>.....</p>
format	<p>The item has to have the following format:</p> <p>ODM_TIMEOUT = "VaLue"</p> <p>.....</p>
values	<p>You may enter any natural number.</p> <p>.....</p>
default	<p>Default is 3.</p> <p>.....</p>

KNET_MAX_CONNECT_RETRY

.....
KNET_MAX_CONNECT_RETRY defines the maximum number of attempts that easyPRIMA is allowed to start to connect to kNet Server. purpose

.....
This setting is optional. type

.....
The keyword is recorded in the [SETTING] section. section

.....
easyPRIMA is allowed to start up to 3 attempts to connect to kNet Server:  example
KNET_MAX_CONNECT_RETRY = 3

.....
The item has to have the following format: format
KNET_MAX_CONNECT_RETRY = "vaLue"

.....
You may enter any natural number. values

.....
Default is 1. default
.....

PLOSSYS_COPY_TEMPLATES

purpose


PLOSSYS_COPY_TEMPLATES defines, whether in case of a queue export into a PLOSSYS netdome system all necessary template files are to be copied from the template directory of easyPRIMA to the installation directory of the queues %PLSPLS%/p1otter in PLOSSYS netdome.

type

This setting is optional.

section

The keyword is recorded in the [SETTING] section.

 example

The template files are not supposed to be copied to the installation directory of the queues in PLOSSYS netdome:

PLOSSYS_COPY_TEMPLATES = "N"

format

The item has to have the following format:

PLOSSYS_COPY_TEMPLATES = "*Value*"

values

You may specify the following values:

Value	Description
N	The template files will not be copied to the installation directory of the queues in PLOSSYS netdome.
Y	The template files will be copied to the installation directory of the queues in PLOSSYS netdome.

default

Default is Y.

PLOSSYS_ISCLI_TIMEOUT

.....
PLOSSYS_ISCLI_TIMEOUT defines the time interval in seconds that easyPRIMA waits for a confirmation by Infoserver. If this is expired, easyPRIMA aborts its call and adds an appropriate message in the edc.log log file.

purpose


.....
This setting is optional.

type

.....
The keyword is recorded in the [SETTING] section.

section

.....
The query of Infoserver is to be aborted after 60 seconds, in which no response has been received:

 example

```
PLOSSYS_ISCLI_TIMEOUT = 60
```

.....
The item has to have the following format:

format

```
PLOSSYS_ISCLI_TIMEOUT = "value"
```

.....
You may enter any natural number.

values

.....
By default this keyword is deactivated.


default

PLOSSYS_RESTART

purpose PLOSSYS_RESTART defines, whether PLOSSYS netdome is to be restarted after updating the queues.

type This setting is optional.

section The keyword is recorded in the [SETTING] section.

 example PLOSSYS netdome is not to be restarted after updating:
PLOSSYS_RESTART = "N"

format The item has to have the following format:
PLOSSYS_RESTART = "*Value*"

values You may specify the following values:

Value	Description
N	PLOSSYS netdome will not be restarted after updating the queues. The <code>plossys.cfg</code> configuration file will be reread at runtime.
Y	PLOSSYS netdome will be restarted after updating the queues.


default Default is Y.

PLOSSYS_SORT_PARAMETER

PLOSSYS_SORT_PARAMETER defines the order in which queues are exported to a PLOSSYS netdome system.

purpose

As by sorting the order of the queues in the system might be changed PLOSSYS netdome has to be restarted after the export. For this the PLOSSYS_RESTART parameter has to be set to "Y", see page 332.

 **Caution** - restart required


This setting is optional.

type

The keyword is recorded in the [SETTING] section.

section

The queues are to be sorted by queue name when exported to PLOSSYS netdome systems:

 example

```
PLOSSYS_SORT_PARAMETER = "NAME:A:ALPHA"
```

The item has to have the following format:

format

```
PLOSSYS_SORT_PARAMETER = "ParameterName:Direction:Type"
```

You may specify the following values:


values

Value	Description
<i>parameter name</i> (mandatory)	Name of the queue parameter by which the list is to be sorted.
<i>Direction</i> (mandatory)	Sorting direction Values: A Ascending D Descending
<i>type</i> (mandatory)	Sort type Values: ALPHA Alphabetical NUM Numerical

Default is "POSITION:A:NUM".

default

SAP_AUTOSAVE_SAPGENERATED_SHORTNAME

 **Caution** - requirement

In order to use this setting you need to have installed the following transport in your SAP system:

F:\Plossys\Produkte\SAP\sapnw-Netweaver\sapnw_base\Core Base\Patch\010-b-basis-cr-patch_1.0.10.3D\010-b-basis-cr-patch_1.0.10.3D.zip (X47K913066)

purpose


SAP_AUTOSAVE_SAPGENERATED_SHORTNAME defines, if the SAPSPOOL short name suggested by an SAP system when a queue is created is applied to the easyPRIMA database automatically during the export preview.

type

This setting is optional.

section

The keyword is recorded in the [SETTING] section.

 example

The suggested SAPSPOOL short name is to be applied to the easyPRIMA database automatically during the export preview:

SAP_AUTOSAVE_SAPGENERATED_SHORTNAME = "Y"

format

The item has to have the following format:

SAP_AUTOSAVE_SAPGENERATED_SHORTNAME = "*value*"

values

You may specify the following values:

Value	Description
N	The SAPSPOOL short name is saved automatically.
Y	The SAPSPOOL short name is set automatically.

default

Default is N.

SAP_EXPORT_WITHOUT_DEST

.....
SAP_EXPORT_WITHOUT_DEST defines, whether queues are to be exported to SAPSPool systems, even if neither in the queue data nor in the system data a target system is specified.

purpose

In this case the queue is registered globally in the SAP system when exported.


.....
This setting is optional.

type

.....
The keyword is recorded in the [SETTING] section.

section

.....
Queues without a specified logical OMS are allowed to be exported globally to SAP systems:

 example

SAP_EXPORT_WITHOUT_DEST = "Y"

.....
The item has to have the following format:

format

SAP_EXPORT_WITHOUT_DEST = "vaLue"

.....
You may specify the following values:


values

Value	Description
N	Queues without a specified target system are excluded from the export.
Y	Queues without a specified target system are exported.

.....
Default is N.

default


SAP_EXPORT_WITHOUT_LOMS

purpose	<p>.....</p> <p>SAP_EXPORT_WITHOUT_LOMS defines, whether queues are to be exported to SAPSPool systems, even if neither in the queue data nor in the system data a logical output management system is specified.</p> <p>.....</p>
type	<p>.....</p> <p>This setting is optional.</p> <p>.....</p>
section	<p>.....</p> <p>The keyword is recorded in the [SETTING] section.</p> <p>.....</p>
 example	<p>.....</p> <p>Queues without a specified logical OMS are not to be exported to the appropriate SAPSPool system:</p> <p>SAP_EXPORT_WITHOUT_LOMS = "N"</p> <p>.....</p>
format	<p>.....</p> <p>The item has to have the following format:</p> <p>SAP_EXPORT_WITHOUT_LOMS = "<i>value</i>"</p> <p>..... <i>To be continued</i></p>

SAP_EXPORT_WITHOUT_LOMS, Continuation

You may specify the following values:

values

Value	Description
N	<p>Queues are exported to SAPSPool systems only, if</p> <ul style="list-style-type: none">• a logical OMS is specified only in the queue data, and the item in the system data is empty,• a logical OMS is specified only in the system data, and the item in the queue data is empty,• the logical OMS specified in the queue data is also listed in the system data. <p>If there are different items in the queue data and system data, the queue is ignored when exporting.</p>
Y	<p>Queues are exported to SAPSPool systems, even if neither in the queue data nor in the system data a logical output management system is specified.</p> <p>If there are different items in the queue data and system data, the queue is ignored when exporting.</p> <p> Caution - effects on the deleting action</p> <p>If in the system data no logical output management system is specified, queues that are existing in the system but are unknown in easyPRIMA will be ignored in the regular export in order that they may not be deleted accidentally. In this case you can delete the queues from the systems only by marking them for deletion in easyPRIMA and then exporting them explicitly.</p>

Default is Y.

default

SAP_SINGLE_FILES

purpose


.....
SAP_SINGLE_FILES defines, whether for each queue, which is changed in an SAP system, a separate SAPCLI queue list file is created, or whether all queues will be combined in one big list for the separate actions, create, update or delete.
.....

type

This setting is optional.
.....

section

The keyword is recorded in the [SETTING] section.
.....

 example

For each queue a separate SAPCLI queue list file is to be created:
SAP_SINGLE_FILES = "Y"
.....

format

The item has to have the following format:
SAP_SINGLE_FILES = "*Value*"
.....

values

You may specify the following values:

Value	Description
N	The queues will be combined in one big file for the separate actions create, update or delete.
Y	For each queue a separate SAPCLI queue list file is created.

default

.....
Default is N.
.....

SHARE_ALL_QUEUES

SHARE_ALL_QUEUES defines, whether all Windows queues are shared as network printers or only those which have specified a share name.

purpose


This setting is optional.

type

The keyword is recorded in the [SETTING] section.

section

Only Windows queues that have specified a share name are to be shared as network printers:

 example

```
SHARE_ALL_QUEUES = "N"
```

The item has to have the following format:

format

```
SHARE_ALL_QUEUES = "value"
```

You may specify the following values:

values


Value	Description
N	Only Windows queues that have specified a share name are shared as network printers.
Y	All Windows queues are shared as network printers. If no share name is specified, the queue name is used as share name.

Default is Y.

default

USE_SEAL_INHOUSE_SWITCH

.....

 **Caution** - for SEAL Systems-internal tests only

The USE_SEAL_INHOUSE_SWITCH parameter is needed for internal test at SEAL Systems only. Changes have no influence on the installation of the customer.


.....

WINDOWS_TEMPLATE

.....
WINDOWS_TEMPLATE defines which Windows driver template is to be used when a new output device is added. purpose

.....
This setting is optional. type

.....
The keyword is recorded in the [SETTING] section. section

.....
When adding an output device the "SEAL Systems PS Generic" template is to be used:  example

SHARE_ALL_QUEUES = "SEAL Systems PS Generic"


.....
The item has to have the following format: format

WINDOWS_TEMPLATE = "*value*"

.....
You may specify the name of any Windows printer template existing in easyPRIMA. values

.....
Default is "EDC Template". default

21.15 [SYSTEMS] Section

 **Caution** -
without data-
base only


The settings in the [SYSTEMS] section are necessary only, if the batch scripts of easyPRIMA are used without the database. In this case the connection data for the different systems have to be specified manually, with the system type being entered as the keyword.

general syntax

This is how you specify the connection data in general:

```
SYSTEM = "UserName/Password@ServerName:PortNumber"
```

Depending on the system you need only parts of the general syntax.

 hint - usable
repeatedly

Every keyword may be used repeatedly. You do not have to add numbers or the like to differentiate.

in this section

This section contains the following parameters:


Topic	Page
PLOSSYS	343
SAP	344
WINDOWS	345

PLOSSYS

PLOSSYS defines the connection data to a PLOSSYS netdome or PLOSSYS 5 system. purpose

This setting is optional. type


The keyword is recorded in the [SYSTEMS] section. section

The connection data of two PLOSSYS netdome systems are to be specified. The first one is on the server PLS_TST25_ROETT and is reachable under the port number 1234, the second is on the server PLS_TST36_ROETT and is reachable under port number 5678:  example


```
PLOSSYS = PLS_TST25_ROETT:1234  
PLOSSYS = PLS_TST36_ROETT:5678
```

The item has to have the following format: format

```
PLOSSYS = "ServerName:PortNumber"
```

The keyword may be used repeatedly. You do not have to add numbers or the like to differentiate.  hint - usable repeatedly

You may specify the following values: values

Value	Description
<i>server name</i> (mandatory)	Server name, under which the system is contacted
<i>Port Number</i> (mandatory)	kNet port number under which the system is contacted.  Further information: You will find an overview of the port numbers used by SEAL Systems products in [PORTNUMBERS_TEC].


There is no default. default

SAP


purpose
SAP defines the connection data to an SAP system that contains DMS Repro as well as SAPSPool systems.
.....

type
This setting is optional.
.....

section
The keyword is recorded in the [SYSTEMS] section.
.....

 example
The connection to the SAP system X47 is to be established by using the system name:
SAPSPool = "X47"
.....

format
The item has to have the following format:
SAPSPool = "*UserName/Password@SystemName:Client*"
.....

 hint - usable repeatedly
The keyword may be used repeatedly. You do not have to add numbers or the like to differentiate.
.....

values
You may specify the following values:

Value	Description
<i>System Name</i> (mandatory)	Name of the SAP system
<i>User Name</i> (optional)	Name of the user to be logged on to the SAP system
<i>client</i> (optional)	Client of the SAP system
<i>Password</i> (optional)	Password belonging to the user name

default
There is no default.
.....

WINDOWS

.....
WINDOWS defines the connection data to a Windows system.

purpose


.....
This setting is optional.

type

.....
The keyword is recorded in the [SYSTEMS] section.

section

.....
The connection to the Windows system WIN37 is to be established by using the system name:

 example


```
WINDOWS = WIN37
```

.....
The item has to have the following format:

format

```
WINDOWS = "UserName/Password@Server"
```

.....
The keyword may be used repeatedly. You do not have to add numbers or the like to differentiate.

 hint - usable repeatedly

.....
You may specify the following values:

values

Value	Description
<i>Server</i> (mandatory)	Server name, under which the system is to be contacted
<i>User Name</i> (optional)	Name of the user with the authorization to administrate queues under Windows and with writing access to a WMI server of a remote Windows client.
<i>Password</i> (optional)	Password belonging to the user name

.....
There is no default.

default

22 Scripts - Reference

description

.....
 The following chapters describe the different scripts, which you may use for certain operations.

in this chapter

.....
 This chapter deals with the following topics:

Topic	Page
edcimportdepartment.pl - Import Departments	347
edcextractdepartment.pl - Extract Departments	353
edcimporttemplatescsv.pl	357
edcextract.pl - Export to a CSV File	362
edcimport.pl - Importing Queue Data	379

.....

22.1 edcimportdepartment.pl - Import Departments

This chapter deals with the following topics:

in this chapter

Topic	Page
Description	348
Parameters	349
Input File	350
Result File	352

Description

.....
purpose

Using the edcimportdepartment.pl script you may create, rename or delete departments in the easyPRIMA database by means of a file.

.....

directory


The script is located in the following directory:
/server/edc/

.....

Call

This is how you call the script:
edcimportdepartment.pl *parameters*
→ *Parameters*, Seite 349

.....

 example

The departments recorded in the departments.txt file are to be imported to easyPRIMA. The importing process is to be logged in the edcimportdepartment.log file. Thus errors, warnings and important information are to be logged and the results are to be recorded in the results.txt file:

```
edcimportdepartment.pl -i D:\edc\data\customer\departments.txt  
-d INFO -l edcimportdepartment.log -o results.txt
```

.....

Parameters

You can specify the following parameters:

Parameters

Parameters	Description
-i <i>file</i> (mandatory)	Name of the input file. You may specify the file including a path. → <i>Input File</i> , Seite 350
-d (optional)	Defines, which information is to be written into the log file. This parameter is necessary only, if you specify a log file. Values: DEBUG In the log file, errors, warnings and detailed information about the program flow are recorded. INFO In the log file, errors, warnings and information about the program flow are recorded.
-db <i>DB_access</i> (optional)	specifies the access to the database. This is made up as follows: <i>user/password@DB_HOST:DB_PORT</i> Example: plsadmin/plsadmin@PCXY:7123 Keywords: <i>user</i> User name for accessing the database <i>password</i> Password for accessing the database <i>DB_HOST</i> Name of the server, on which the database is running. <i>DB_PORT</i> Port number of the server, on which the database is running.
-h (optional)	Displaying the online help
-l <i>file</i> (optional)	Name of the log file. You may specify the file including a path.
-o <i>file</i> (optional)	Name of the result file. You may specify the file including a path. → <i>Result File</i> , Seite 352

Input File

naming

There are no special limitations concerning the naming of the file.

directory

The file is stored in the directory that you specify as a path with the name in the program call, for example `D:\edc\data\customer\FileName`

If you do not specify a path, the file will be stored in the directory, in which the program has been started.


file format

You need to write the departments into the file in INI format:

```
[department_name]
name=department_name
action=update
```

keywords

The following keywords are written into the file:

Keyword	Description
name	Name of the department
action	<p>defines, whether a department is to be created, renamed or deleted.</p> <p> Hint - program behavior:</p> <p>The program behavior does not only depend on the value specified here, but also on the two department names specified in the file. The exact program behavior is described subsequent to this table.</p> <p>Values:</p> <p>deleted The department has been deleted.</p> <p>update The department will be created or renamed.</p>

..... *To be continued*

Input File, Continuation

.....
The department that is specified as section name, is

program behavior

- searched for in the database and
- compared to the value specified with the keyword name.

Depending on the results and on the value specified with the keyword name the following program behavior is triggered:

Value	Description
delete	If the department is found in the database, it will be deleted from the database. The deletion is done in the selection list and as assigned value of queue, systems and contacts.
update	<ul style="list-style-type: none">• If the department is not found in the database, and the section name and the value of the keyword name are identical, the department is created in the database and in the selection list.• If the department is not found in the database, and the section name and the value of the keyword name are different, the department will not be added to the database.• If the department is found in the database, and the section name and the value of the keyword name are identical, the database items remain unchanged.• If the department is found in the database, and the section name and the value of the name keyword are different, the department in the database will be renamed to the department specified by the name keyword. The renaming is done in the selection list and as assigned value of queue, systems and contacts.

Result File

naming

There are no special limitations concerning the naming of the file.

directory

The file is stored in the directory that you specify as a path with the name in the program call, for example `D:\edc\data\customer\FileName`

If you do not specify a path, the file will be stored in the directory, in which the program has been started.

file format

You need to write the departments into the file in INI format:

```
[department_name]
name=department_name
state=updated
```

keywords

The following keywords are written into the file:

Keyword	Description
name	Name of the department
state	shows, which operation has been made with the department specified in the section name. Values: created The department has been created. deleted The department has been deleted. unchanged The department has not been changed. updated The department has been renamed.

22.2 edcextractdepartment.pl - Extract Departments

This chapter deals with the following topics:

in this chapter

Topic	Page
Description	392
Parameters	393
Input File	395

Description

.....
purpose

Using the edcextractdepartment.pl script you may extract the departments recorded in the easyPRIMA database into a file.

.....

directory


The script is located in the following directory:
/server/edc/

.....

Call

This is how you call the script:
edcextractdepartment.pl *parameters*
→ *Parameters*, Seite 393

.....

 example

All departments recorded in the database are to be written into the departments.txt file. The importing process is to be logged in the edcextractdepartment.log file. In doing so errors, warnings and important information are to be logged:

```
edcextractdepartment.pl -o departments.txt -d INFO  
-l edcextractdepartment.log
```

.....

Parameters

You can specify the following parameters:

Parameters

Parameters	Description
-o <i>file</i> (mandatory)	Name of the output file. You may specify the file including a path. → <i>Input File</i> , Seite 395
-d (optional)	Defines, which information is to be written into the log file. This parameter is necessary only, if you specify a log file. Values: DEBUG In the log file, errors, warnings and detailed information about the program flow are recorded. INFO In the log file, errors, warnings and information about the program flow are recorded.
-db <i>DB_access</i> (optional)	specifies the access to the database. This is made up as follows: <i>user/password@DB_HOST:DB_PORT</i> Example: plsadmin/plsadmin@PCXY:7123 Keywords: <i>user</i> User name for accessing the database <i>password</i> Password for accessing the database <i>DB_HOST</i> Name of the server, on which the database is running. <i>DB_PORT</i> Port number of the server, on which the database is running.
-h (optional)	Displaying the online help
-l <i>file</i> (optional)	Name of the log file. You may specify the file including a path.

Output File

naming

There are no special limitations concerning the naming of the file.

directory

The file is stored in the directory that you specify as a path with the name in the program call, for example `D:\edc\data\customer\FileName`

If you do not specify a path, the file will be stored in the directory, in which the program has been started.

file format

The data are written into the file in the INI format:

```
[department_name]
name=department_name
state=used
```

keywords

The following keywords are written into the file:

Keyword	Description
name	Name of the department
state	<p>specifies, whether a department is recorded in the selection list of the departments.</p> <p>Departments, which have been added to easyPRIMA for example by importing queues, are recorded as values in the appropriate queues, but may not be selected in other queues, as long as they are not added to the selection list.</p> <p>Values:</p> <p>used The departments is recorded in the selection list.</p> <p>unused The department is not recorded in the selection list.</p>

22.3 edcimporttemplatescsv.pl

This chapter deals with the following topics:

in this chapter


Topic	Page
Description	358
Parameters	359
Input File	360

Description

.....
purpose With the `edcimporttemplatescsv.pl` script you may import model information into the easyPRIMA database.
.....

directory The script is located in the following directory:
`/server/edc/`
.....

Call This is how you call the script:
`edcimporttemplatescsv.pl parameters`
→ *Parameters*, Seite 359
.....

 example

All queue templates listed in the CSV file are to be imported into the database. The importing process is to be logged in the `edcimporttemplatescsv.log` file. In doing so errors, warnings and important information are to be logged:
`edcimporttemplatescsv.pl -i .\conf\templates.csv -d INFO`
`-l edcimporttemplatescsv.log`
.....

Parameters

You can specify the following parameters:

Parameters

Parameters	Description
-i <i>file</i> (mandatory)	Name of the input file. You may specify the file including a path. → <i>Input File</i> , Seite 360
-d (optional)	Defines, which information is to be written into the log file. This parameter is necessary only, if you specify a log file. Values: DEBUG In the log file, errors, warnings and detailed information about the program flow are recorded. INFO In the log file, errors, warnings and information about the program flow are recorded.
-db <i>DB_access</i> (optional)	specifies the access to the database. This is made up as follows: <i>user/password@DB_HOST:DB_PORT</i> Example: plsadmin/plsadmin@PCXY:7123 Keywords: <i>user</i> User name for accessing the database <i>password</i> Password for accessing the database <i>DB_HOST</i> Name of the server, on which the database is running. <i>DB_PORT</i> Port number of the server, on which the database is running.
-h (optional)	Displaying the online help
-l <i>file</i> (optional)	Name of the log file. You may specify the file including a path.

Input File

naming

There are no special limitations concerning the naming of the file.

directory

The file is stored in the directory that you specify as a path with the name in the program call, for example D:\edc\data\customer\FileName

If you do not specify a path, the file will be searched for in the following directory:

\server\edc\conf\templates.csv

file format

You need to write the departments into the file in CSV format:
Brand;Model;Plossys template;PCL5;PCLXL;Postscript;PDF;TIFF/G4; Color
TIFF;HPGL/2;Color;Max. paper size;Max. input trays;Max. output
trays;Duplex;Stapling;Punching;Folding;MIB-Info;Comment;Data
sheet;Plossys test state;SAP

keywords, part 1

The following keywords are written into the file in the specified order:

Keyword	Description
Brand	Brand name
Model	Model name
PLOSSYS tem-- plate	Name of the PLOSSYS netdome template
PCL5	Values: N The file format is not supported. Y The file format is supported.
PCLXL	Values: N The file format is not supported. Y The file format is supported.
PostScript	Values: N The file format is not supported. Y The file format is supported.
PDF	Values: N The file format is not supported. Y The file format is supported.
TIFF/G4	Values: N The file format is not supported. Y The file format is supported.
Color TIFF	Values: N The file format is not supported. Y The file format is supported.

..... To be continued

Input File, Continuation

Continuation:

keywords, part 2

Keyword	Description
HPGL/2	Values: N The file format is not supported. Y The file format is supported.
Color	Values: N The device has no color printing available. Y The device comes with color printing.
Max. paper size	Maximum paper size
Max. input trays	Maximum number of input trays
Max. output trays	Maximum number of output trays
Duplex	Values: N The device has no duplex printing available. Y The device comes with duplex printing.
Stapling	Values: N The device has no stapling available. Y The device comes with stapling.
Punching	Values: N The device has no punching available. Y The device comes with punching.
Folding	Values: N A folder is not available. Y A folder is connected to the output device.
MIB-Info	Management Information Base The description files allow management programs to display the hierarchic structure of the data of an SNMP agent and to request for values of it.
Comment	Additional information about the device
Data sheet	Path and name of the data sheet of the device
Plossys test state	SEAL Systems-internal parameter
SAP	SEAL Systems-internal parameter

22.4 edcextract.pl - Export to a CSV File

in this chapter

This chapter deals with the following topics:


Topic	Page
Description	363
Parameters	364
Output File	366
Configuration File edcextract.cfg	367

Description

.....
Using the `edcextract.pl` script you may extract queue data from easyPRIMA to a CSV file. purpose

.....
The script is located in the following directory: directory
`/server/edc/`

.....
This is how you call the script: Call
`edcextract.pl parameters`
→ *Parameters*, Seite 364

.....
The queues recorded in the queue group HP-Queues are to be extracted to the  example `queues.csv` file in the `D:\edc\data\customer` directory:
`edcextract.pl -o D:\edc\data\customer\queues.csv`
`-f QUEUEGROUP=HP-Queues`
.....

Parameters

parameters, part
1

You can specify the following parameters:

Parameters	Description
-o <i>file</i> (mandatory)	Name of the output file. You may specify the file including a path. → <i>Output File</i> , Seite 366
-c <i>file</i> (optional)	Name of the configuration file. You may specify the file including a path. → <i>Configuration File edcextract.cfg</i> , Seite 367
-d (optional)	Defines, which information is to be written into the log file. This parameter is necessary only, if you specify a log file. Values: DEBUG In the log file, errors, warnings and detailed information about the program flow are recorded. INFO In the log file, errors, warnings and information about the program flow are recorded.
-db <i>DB_access</i> (optional)	specifies the access to the database. This is made up as follows: <i>user/password@DB_HOST:DB_PORT</i> Example: plsadmin/plsadmin@PCXY:7123 Keywords: <i>user</i> User name for accessing the database <i>password</i> Password for accessing the database <i>DB_HOST</i> Name of the server, on which the database is running. <i>DB_PORT</i> Port number of the server, on which the database is running.

..... *To be continued*

Parameters, Continuation

Continuation:

parameters, part
2

Parameters	Description
-f <i>group</i> (optional)	filters the specified group out of the database, so that only this is extracted to the csv file. You may specify a queue group, system group, system or queue. As the case may be you have to precede the group name with the appropriate keyword. You have to specify the value as keyword and value pair. Values: QUEUE= <i>queue_name</i> Queue to be filtered for QUEUEGROUP= <i>queue_group_name</i> Queue group to be filtered for SYSTEM= <i>system_name</i> System to be filtered for SYSTEMGROUP= <i>system_group_name</i> System group to be filtered for
-h (optional)	Displaying the online help
-l <i>file</i> (optional)	Name of the log file. You may specify the file including a path.

Output File

naming

There are no special limitations concerning the naming of the file.

directory

The file is stored in the directory that you specify as a path with the name in the program call, for example `D:\edc\data\customer\FileName`

If you do not specify a path, the file will be stored in the directory, in which the program has been started.

file format

The data are written into the file in the CSV format:

```
keyword1;keyword2;keyword3;...;keywordn
value1;value2;value3;...;valuen
value1;value2;value3;...;valuen
value1;value2;value3;...;valuen
value1;value2;value3;...;valuen
```

Whether the file includes a headline with the keywords depends on the setting in the configuration file, see *Configuration File edcextract.cfg*, Seite 367

 example

Extract from a CSV file created with a standard configuration file:

```
QueueName;Brand;Model;Template;Connection;OutputMethod;Co-lor;Du-
plex;Tray Count;Type Drawer 1;Size Drawer 1;Medium Drawer 1;Type Drawer
2;Size Drawer 2;Medium Drawer 2;Type Drawer 3;Size Drawer 3;Medium
Drawer 3;Type Drawer 4;Size Drawer 4;Medium Dra-wer 4;Type Drawer 5;Size
Drawer 5;Medium Drawer 5;Department;Location;Comment
P000092;HP;Generic LaserJet series;hp.laserjet.hppcl_vr_p-
cl;;NO-NE;;;1;SHEET;PAPER_A4;PA;;;;;;Haus 92;Zimmer 92
P000093;HP;Generic LaserJet series;hp.laserjet.hppcl_vr_p-
cl;;NO-NE;;;1;SHEET;PAPER_A4;PA;;;;;;Haus 93;Zimmer 93
```

queue param-
eters

Which queue data are written into the CSV file depends on the setting in the configuration file, see *Configuration File edcextract.cfg*, Seite 367.

22.4.1 Configuration File edcextract.cfg

.....
The following chapter lists the configuration parameters of edcextract.cfg and their description. description

.....
The configuration file is stored in the following directory: directory
/server/edc/conf

.....
This chapter deals with the following topics: in this chapter

Topic	Page
AbortOnError	399
[CSV] Section	369
[CSV\PARAMETERS\QUEUES] Section	373
Section [GENERAL]	376

Sections and Keywords at a Glance

Overview

The following table gives an overview of the sections and the keywords included in each case, each in alphabetic order. You will find the descriptions of the keywords on the pages specified in each case subsequent to this table.

Sections and Keywords	Page
[CSV]	369
COLUMN_NAMES	370
QUOTE_VALUES	371
SEPARATOR	372
[CSV\PARAMETERS\QUEUES]	373
[GENERAL]	376
DB	377
RESOLVE_PATTERN	378

22.4.1.1 [CSV] Section

.....

This section contains the following parameters:

in this section

Topic	Page
COLUMN_NAMES	370
QUOTE_VALUES	371
SEPARATOR	372

.....

COLUMN_NAMES

purpose


.....
COLUMN_NAMES defines, whether the CSV file contains a headline with column headings.
.....

Type

This setting is optional.
.....

section

The keyword is recorded in the [CSV] section.
.....

 example

The CSV file contains no headline with column headings:
COLUMN_NAMES = "N"
.....

format

The item has to have the following format:
COLUMN_NAMES = "value"
.....

values

You may specify the following values:

Value	Description
N	The CSV file contains no headline with column headings.
Y	The CSV file contains a headline with column headings.

default

.....
Default is Y.
.....

QUOTE_VALUES

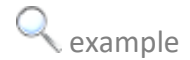
.....
QUOTE_VALUES defines, whether the separate values in the CSV file are quoted. purpose

.....
This setting is optional. Type

.....
The keyword is recorded in the [CSV] section. section

.....
The values in the CSV file are quoted:

QUOTE_VALUES = "Y"



.....
The item has to have the following format:

QUOTE_VALUES = "*value*"

format

.....
You may specify the following values:


values

Value	Description
N	The values in the CSV file are not quoted.
Y	The values in the CSV file are quoted.

.....
Default is N.

default

SEPARATOR

purpose	..... SEPARATOR defines, by which character the values in the CSV file are separated.
Type	..... This setting is optional.
section	..... The keyword is recorded in the [CSV] section.
 example	..... The values in the CSV file are separated by a semicolon: SEPARATOR = ";"
format	..... The item has to have the following format: SEPARATOR = " <i>value</i> "
values	..... You may specify any character as a value.
default	..... Default is ";".

22.4.1.2 [CSV\PARAMETERS\QUEUES] Section

.....
The [CSV\PARAMETERS\QUEUES] section contains the assignments of the column headings in the CSV file to the appropriate easyPRIMA parameters.

description

If there are no column headings existing, you have to use the column numbers instead.

.....
The in the CSV file contained columns with the name, the brand and the model type of the device and the information about the three paper trays are assigned to the appropriate easyPRIMA parameters:

 example

```
[CSV\PARAMETERS\QUEUES]  
queuename = "Queuename"  
devicebrand = "Brand"  
devicemodel = "Model"  
devicetraytype1 = "Type Drawer 1"  
queuetrayformat1 = "Size Drawer 1"  
queuetraymedium1 = "Medium Drawer 1"  
devicetraytype2 = "Type Drawer 2"  
queuetrayformat2 = "Size Drawer 2"  
queuetraymedium2 = "Medium Drawer 2"  
devicetraytype3 = "Type Drawer 3"  
queuetrayformat3 = "Size Drawer 3"  
queuetraymedium3 = "Medium Drawer 3"
```

.....
The item has to have the following format:

format

```
parameter = "column_heading"
```

.....
You may specify any parameter known by easyPRIMA or any freely definable values, as long as these only contain alphanumeric characters or underlines.

values

The known easyPRIMA parameters will be mapped to the specific parameters of the output management system, when the queue configurations are exported. Additionally defined own parameters will be transferred to the output management system as they are.

..... *To be continued*

[CSV\PARAMETERS\QUEUES] Section, Continuation

default

The following parameters are specified as default:

```
[CSV\PARAMETERS\QUEUES]
queuename = "Queuename"
devicebrand = "Brand"
devicemodel = "Model"
devicetemplate = "Template"
queueoutputdestination = "Connection"
queueoutputmethod = "Outputmethod"
devicecolor = "Color"
deviceduplex = "Duplex"
devicetraycount = "Tray Count"
devicetraytype1 = "Type Drawer 1"
queuetrayformat1 = "Size Drawer 1"
queuetraymedium1 = "Medium Drawer 1"
devicetraytype2 = "Type Drawer 2"
queuetrayformat2 = "Size Drawer 2"
queuetraymedium2 = "Medium Drawer 2"
devicetraytype3 = "Type Drawer 3"
queuetrayformat3 = "Size Drawer 3"
queuetraymedium3 = "Medium Drawer 3"
devicetraytype4 = "Type Drawer 4"
queuetrayformat4 = "Size Drawer 4"
queuetraymedium4 = "Medium Drawer 4"
devicetraytype5 = "Type Drawer 5"
queuetrayformat5 = "Size Drawer 5"
queuetraymedium5 = "Medium Drawer 5"
queuedepartment = "Department"
queuelocation = "Location"
queuecomment = "Comment"
```

easyPRIMA pa-
rameters, part 1

The following values are known by easyPRIMA:

Parameters
devicebrand
devicecolor
deviceduplex
devicefinishing
deviceformatlanguage
devicemarginbottom
devicemarginleft
devicemarginright
devicemargintop
devicemaxpage
devicetraycount
devicemodel
deviceoutputbincount

..... *To be continued*

[CSV\PARAMETERS\QUEUES] Section, Continuation

.....
The following values are known by easyPRIMA:

easyPRIMA pa-
rameters, part 2

Parameters
deviceresolution
devicetemplate
devicetraytypen
queuecomment
queuedepartment
queuedriver
queuefallbackfold
queuefallbackformat
queuefallbackmaterial
queuefallbackoutbin
queuefallbackpunch
queuefallbacksort
queuefallbackstaple
queuegroupsallowed
queuegroupsdenied
queuelocation
queuename
queueoutputdestination
queueoutputmethod
queueoutputmode
queueoutputqueue
queesharename
queeservers
queuetemplate
queuetrayformat <i>n</i>
queuetraymedium <i>n</i>
queueupdateflag

22.4.1.3 Section [GENERAL]

in this section

This section contains the following parameters:

Topic	Page
DB	377
RESOLVE_PATTERN	378

DB

DB specifies the access to the database.

purpose

This setting is mandatory.

Type

The keyword is recorded in the [GENERAL] section.

section

The script is supposed to connect to the database on the server PCXY with the user name `plsadmin` and the identical password via port number 7123 to extract the queue data:

 example

```
DB=plsadmin/plsadmin@PCXY:7123
```

The item has to have the following format:

format

```
DB=user_name/password@server_name:port_number
```

You have to specify the following values:

values

Value	Description
<i>User Name</i> (mandatory)	User name for accessing the database
<i>Password</i> (mandatory)	Password belonging to the user name
<i>server name</i> (mandatory)	Name of the server, on which the database is running.
<i>Port Number</i> (mandatory)	Port number, under which the database is to be contacted.

There is no default.

default

RESOLVE_PATTERN

purpose

RESOLVE_PATTERN defines whether variables specified in the values of queue parameters are to be resolved into their values, when extracting the queue data to a CSV file.

Type

This setting is optional.

section

The keyword is recorded in the [GENERAL] section.

example

Variables in values of queue parameters are not to be resolved:

```
RESOLVE_PATTERN = "N"
```

format

The item has to have the following format:

```
RESOLVE_PATTERN = "value"
```

values

You may specify the following values:

Value	Description
N	Variables in values of queue parameters are not resolved. The variables are extracted to the CSV file.
Y	Variables in values of queue parameters are resolved. The values of the variables are extracted to the CSV file.

default

Default is Y.

22.5 edcimport.pl - Importing Queue Data

This chapter deals with the following topics:

in this chapter

Topic	Page
Description	380
Parameters	381

Description

purpose	..... With the <code>edcimport.pl</code> script you may import queue configurations, output parameters and translation files into the easyPRIMA database from different external sources.
directory	..... The script is located in the following directory: <code>/server/edc/</code>
Call	..... This is how you call the script: <code>edcimport.pl parameters</code> → <i>Parameters</i> , Seite 381

Parameters

You can specify the following parameters:

parameters, part
1

Parameters	Description
-c <i>file</i> (optional)	Name of an alternative configuration file. You may specify the file including a path.
-cm (optional)	<p>switches to the cache mode for data enquiries.</p> <p>In the cache mode new data are created only, if the configuration in the source system is newer than the data in the cache.</p> <p>If you do not specify this parameter, the data are always read from the cache.</p> <p>Values:</p> <p>Entry without value: New data are created only, if the configuration in source system is newer than the data in the cache.</p> <p>READ Data are read from the cache. The source system is not checked for changes.</p> <p>WRITE Data are created anew. The source system is not checked for changes.</p>
-cm READ (optional)	→ -cm, Seite 381
-cm WRITE (optional)	→ -cm, Seite 381
-d (optional)	<p>defines, which information is to be written into the log file.</p> <p>This parameter is necessary only, if you specify a log file.</p> <p>Values:</p> <p>DEBUG In the log file, errors, warnings and detailed information about the program flow are recorded.</p> <p>INFO In the log file, errors, warnings and information about the program flow are recorded.</p> <p>Default: INFO</p>

..... To be continued

Parameters, Continuation

parameters, part
2

Continuation:

Parameters	Description
-db <i>DB_access</i> (optional)	<p>specifies the access data to the database into which the queue data are to be imported. The access data are made up as follows:</p> <p><i>user/password@DB_HOST:DB_PORT</i></p> <p>Example: plsadmin/plsadmin@PCXY:7123</p> <p>Values:</p> <p><i>user</i> User name for accessing the database</p> <p><i>password</i> Password for accessing the database</p> <p><i>DB_HOST</i> Name of the server, on which the database is running.</p> <p><i>DB_PORT</i> Port number of the server, on which the database is running.</p>
-dbid <i>Object ID</i> (optional)	Database ID of the object from which queues are to be imported into easyPRIMA.
-dboc <i>Object class</i> (optional)	<p>Object class in the database of easyPRIMA.</p> <p>If you specify an object class, queues from the object of the specified class are imported into easyPRIMA.</p> <p>If you do not specify this parameter, queues from all systems registered in easyPRIMA are imported.</p> <p>Values:</p> <p>SYSTEM Queue data are imported into the database from a system</p> <p>SYSTEMGROUP Queue data are imported into the Database from a system group</p>
-dbon <i>Object name</i> (optional)	Name of the object from which queues are to be imported into easyPRIMA.
-e <i>file_extension</i> (optional)	<p>File extension of the files that are to be read.</p> <p>→ <i>-i file</i>, Seite 383</p>

..... To be continued

Parameters, Continuation

Continuation:

parameters, part
3

Parameters	Description
-f <i>File format</i> (optional)	File format of the input or output file Values: CVS CVS format INI INI format PLS PLS format Default: INI
-g <i>User group</i> (optional)	User group of the output management system If you specify a user group, only queue data of this user group are output.
-h (optional)	Displaying the online help
-i <i>file</i> (optional)	Name of the input file that contains the original queue configuration. If you specify a directory, any files in that with the specified file extension are read and concatenated.
-l <i>file</i> (optional)	Name of the log file. You may specify the file including a path.
-m (optional)	Queue data are imported according to the customer-specific mapping rules specified in the edc.cfg configuration file. If the option -m is not specified, the queue data are imported without consideration of potentially existing mapping rules.
-n (optional)	Native queue parameters that are unknown in easyPRIMA are imported, too.
-o <i>file</i> (optional)	Name of the output file into which STDOUT and STDERR are redirected.
-p <i>parameter_ - type</i> (optional)	Outputs any known parameters of devices, queues and output jobs. If you do not specify a parameter type, any known parameters are output independent of the type. Values: DEVICE Device data JOB Output parameters QUEUE Queue parameters

..... *To be continued*

Parameters, Continuation

parameters, part
4

Continuation:

Parameters	Description
-q [<i>Queue name</i>] (optional)	<p>Outputs the configuration of the specified queue.</p> <p>If you do not specify a queue name, the queue configurations of any system configured in easyPRIMA are output.</p> <p>You need to specify the file into which the output is to be written with the following parameter: <i>-o file</i></p>
-st <i>System type</i> (optional)	<p>Type of the output management system that is to be enquired.</p> <p>If you do not specify this parameter, all systems configured in easyPRIMA are enquired.</p> <p>Values: DVS PLOSSYS SAP SAPSPPOOL WINDOWS</p>
-sl <i>File</i> (optional)	<p>Outputs a list of all output management systems that are registered in the used configuration file.</p> <p>Systems that are registered in the easyPRIMA database are not included.</p>
-t <i>Language</i> (optional)	<p>Outputs the language file for the specified language.</p> <p>As language abbreviation you use the country code, e. g. de for German, en for English, fr for French, etc.</p> <p>You need to specify the file into which the output is to be written with the following parameter: <i>-o file</i></p>

23 Windows Printing

.....
The following chapters describe the programs easyPRIMA uses to install and update printers under Windows.

description

.....
This chapter deals with the following topics:

in this chapter

Topic	Page
readprinter.exe - Read Printer Data from Windows Systems	386
updateprinter.exe - Writing Printer Data into Windows Systems	391
Configuration File sealprinter.cfg	398

23.1 readprinter.exe - Read Printer Data from Windows Systems

in this chapter

This chapter deals with the following topics:

Topic	Page
Description	387
Parameters	388
Output File	390

Description

.....
With the program `readprinter.exe` you can determine the information of the Windows printers and ports. The desired information is retrieved from the Windows systems and written into an output file. The output file is processed by `easyPRIMA`.

purpose

→ *Output File*, Seite 390

.....
The script is located in the following directory:

directory

`\tools\bin_winnt5`


.....
This is how you call the script:

Call

`readprinter.exe parameters`

→ *Parameters*, Seite 388

.....
The program is supposed to retrieve the printer data from the Windows server `WinServ2` and write them into the file `printerinfo.txt`:

 example

`readprinter.exe -o printerinfo.txt -s WinServ_2`

Parameters

parameters, part
1

You can specify the following parameters:

Parameters	Description
-o <i>file</i> (mandatory)	Name of the output file. You may specify the file including a path. → <i>Output File</i> , Seite 390
-s <i>server</i> (mandatory)	Name of the Windows server, the printer information of which is to be retrieved.
-c <i>file</i> (optional)	Name of the configuration file. You may specify the file including a path. → <i>Configuration File sealprinter.cfg</i> , Seite 398
-d <i>value</i> (optional)	Defines, which information is to be written into the log file. This parameter is necessary only, if you specify a log file. Values: NONE No logging ERROR In the log file, errors are recorded. WARNING In the log file, errors and warnings are recorded. RUN In the log file, errors, warnings and start and stop messages are recorded. INFO In the log file, errors, warnings and information about the program flow are recorded. DEBUG In the log file, errors, warnings and detailed information about the program flow are recorded. TRACE In the log file, errors, warnings, detailed information about the program flow and information about run through code are recorded.
-h (optional)	Displaying the online help
-l <i>file</i> (optional)	Name of the log file. You may specify the file including a path.
-p <i>printer</i> (optional)	Name of the Windows printer, the information of which is to be retrieved.

..... *To be continued*

Parameters, Continuation

Continuation:

parameters, part
2

Parameters	Description
<i>-u user</i> (optional)	Windows user name under which the printer information is to be retrieved.
<i>-w info</i> (optional)	Amount of printer information, which is to be retrieved. Values: PRINTER_1 Name and comment PRINTER_2 All printer information PRINTER_3 All printer information in DEVMODE PRINTER_PORT All printer and port information

Output File

naming	..... There are no special limitations concerning the naming of the file.
directory	..... The file is stored in the directory that you specify as a path with the name in the program call, for example D:\edc\data\customer\ <i>FileName</i> If you do not specify a path, the file will be stored in the directory, in which the program has been started.
file format	..... The data are written into the file in the INI format: [HP designjet 130nr] Type=PRINTER PortName=hpdesignjet130nr(C7791D) DataType=RAW Processor=WinPrint ServerName= ShareName= DriverName=HP designjet 130nr Comment= DevMode=HP designjet 130nr.cfg [Port_hpdesignjet130nr(C7791D)] Type=PORT PortName=hpdesignjet130nr(C7791D) MonitorName=
keywords	..... Any available data of printers and ports may be specified as keywords.

23.2 updateprinter.exe - Writing Printer Data into Windows Systems

This chapter deals with the following topics:

in this chapter

Topic	Page
Description	392
Parameters	393
Input File	395
Result File	396

Description

purpose

.....
With the program `updateprinter.exe` you can update, create or delete printers in Windows systems. The data to be updated are taken from an input file created by easyPRIMA and written into the appropriate Windows system. The results are summarized in a result file.

→ *Input File*, Seite 395

→ *Result File*, Seite 396
.....

directory

The script is located in the following directory:


`\tools\bin_winnt5`
.....

Call

This is how you call the program:

`updateprinter.exe parameters`

→ *Parameters*, Seite 393
.....

 example

According to the data contained in the `updatedata.txt` file the printers and ports on the Windows server WinServ2 are to be updated. The results of this update are to be written into the `results.txt` file.

`updateprinter.exe -i updatedata.txt -s WinServ2 -r results.txt`
.....

Parameters

You can specify the following parameters:

parameters, part
1

Parameters	Description
-i <i>file</i> (mandatory)	Name of the input file. You may specify the file including a path. → <i>Input File</i> , Seite 395
-r <i>file</i> (mandatory)	Name of the result file. You may specify the file including a path. → <i>Result File</i> , Seite 396
-s <i>server</i> (mandatory)	Name of the Windows server, the printers of which are to be updated.
-c <i>file</i> (optional)	Name of the configuration file. You may specify the file including a path. → <i>Configuration File sealprinter.cfg</i> , Seite 398
-d <i>value</i> (optional)	Defines, which information is to be written into the log file. This parameter is necessary only, if you specify a log file. Values: NONE No logging ERROR In the log file, errors are recorded. WARNING In the log file, errors and warnings are recorded. RUN In the log file, errors, warnings and start and stop messages are recorded. INFO In the log file, errors, warnings and information about the program flow are recorded. DEBUG In the log file, errors, warnings and detailed information about the program flow are recorded. TRACE In the log file, errors, warnings, detailed information about the program flow and information about run through code are recorded.
-h (optional)	Displaying the online help
-l <i>file</i> (optional)	Name of the log file. You may specify the file including a path.

..... *To be continued*

Parameters, Continuation

parameters, part
2

Continuation:

Parameters	Description
-p (optional)	Preview function If you specify this parameter, it is only checked, which of the desired changes are necessary in the Windows system and which can be processed. However, the printer data are not updated.
-u <i>user</i> (optional)	Windows user name under which the printer information is to be updated.

Input File

There are no special limitations concerning the naming of the file. naming

The file is stored in the directory that you specify as a path with the name in the program call, for example D:\edc\data\customer\FileName directory

If you do not specify a path, the file will be stored in the directory, in which the program has been started.

The data are written into the file in the INI format: file format

```
[PrinterName]
Type=PRINTER
action=update
```

The following keywords are written into the file: keywords

Keyword	Description
Type (mandatory)	Type of the object that is to be updated. Values: PORT A port is to be updated. PRINTER A printer is to be updated.
action (mandatory)	Defines, whether a printer is to be created, renamed or deleted. Values: delete The printer is deleted. update The printer is created or renamed.
PrintAfter-Spoiled (optional)	defines in which order a printer is to print jobs Values: Y Print jobs as they arrive at the printer N Print jobs regardless of the order of arrival Default: Y

Result File

naming	<p>.....</p> <p>There are no special limitations concerning the naming of the file.</p> <p>.....</p>
directory	<p>The file is stored in the directory that you specify as a path with the name in the program call, for example D:\edc\data\customer\FileName</p> <p>If you do not specify a path, the file will be stored in the directory, in which the program has been started.</p> <p>.....</p>
file format	<p>The data are written into the file in the INI format:</p> <pre>[PrinterName] Type=PRINTER Result=MODIFIED</pre> <p>..... <i>To be continued</i></p>

Result File, Continuation

The following keywords are written into the file:

keywords

Keyword	Description
Type (mandatory)	Type of the object that is to be updated. Values: PORT A port is to be updated. PRINTER A printer is to be updated.
Result (mandatory)	Result of the update Values: CREATE_FAILED The printer could not be activated. CREATED The printer has been created. DATA_MISSING The information for creating the printer or port is incomplete. DELETE_BUSY The printer is still holding jobs. DELETE_FAILED The printer could not be activated. DELETED The printer has been deleted. DEVMODE_FAILED DEVMODE could not be activated. DRIVER_MISSING The printer driver is not existing. MODIFY_BUSY The printer is still holding jobs. MODIFY_FAILED The printer could not be activated. MODIFIED The printer has been updated. PORT_MISSING The port is not existing. PORT_USED The port is still in use and cannot be deleted. PRINTER_MISSING The printer is not existing. PUBLISH_FAILED The printer could not be published. RIGHTS_MISSING The necessary privileges are missing. UNTOUCHED An update has not been necessary.
Message (optional)	Error message If an error occurs while updating the data, a potentially existing error message is recorded here.

23.3 Configuration File sealprinter.cfg

description

The following chapter lists the configuration parameters of sealprinter.cfg and their description.

directory

The configuration file is stored in the following directory:

\server\edc\conf\windows

in this chapter

This chapter deals with the following topics:

Topic	Page
AbortOnError	399
DeleteJobs	400
DeleteTCPMonDelayInMS	401
DeleteTCPMonRetries	402
Domain	403
Password	404
SetDevMode	405
User	406

AbortOnError

.....
AbortOnError defines, whether the processing is to be canceled, if an error occurs. purpose

.....
This setting is optional. Type

.....
The keyword is recorded in the [GENERAL] section. section

.....
The processing is to be canceled:  example
AbortOnError=TRUE

.....
The item has to have the following format: format
keyword = *value*

.....
You may specify the following values: values

Value	Description
FALSE	The processing is not to be canceled.
TRUE	The processing is to be canceled.

.....
The default is FALSE. default
.....

DeleteJobs

purpose

.....
DeleteJobs defines, whether jobs that are still held in the queue, are to be deleted, when the queue itself is to be deleted.


A queue can only be deleted, when it does not hold jobs any more.

Type

.....
This setting is optional.

section

.....
The keyword is recorded in the [GENERAL] section.

 example

.....
Jobs that are still held in the queue, are to be deleted:

DeleteJobs = TRUE

format

.....
The item has to have the following format:

DeleteJobs = "Value"

values

.....
You may specify the following values:

Value	Description
FALSE	The jobs are not to be deleted.
TRUE	The jobs are to be deleted.

default


.....
The default is FALSE.
.....

DeleteTCPMonDelayInMS

.....
DeleteTCPMonDelayInMS specifies the time in milliseconds the program has to wait for the next attempt to delete a port after one attempt has failed. purpose

.....
This setting is optional. Type

.....
The keyword is recorded in the [GENERAL] section. section

.....
After a failed attempt to delete a port, the next attempt is to be made after a waiting time of 2500:  example

DeleteTCPMonDelayInMS = 2500

.....
The item has to have the following format: format


DeleteTCPMonDelayInMS = *Value*

.....
You may enter any natural number. values

You have to specify the value in milliseconds.

.....
Default is 1000. default

DeleteTCPMonRetries


purpose	<p>.....</p> <p>DeleteTCPMonRetries specifies the maximum number of attempts that has to be made to delete a port.</p> <p>.....</p>
Type	<p>.....</p> <p>This setting is optional.</p> <p>.....</p>
section	<p>.....</p> <p>The keyword is recorded in the [GENERAL] section.</p> <p>.....</p>
 example	<p>A maximum of 3 attempts is to be made to delete a port:</p> <pre>DeleteTCPMonRetries = 3</pre> <p>.....</p>
format	<p>The item has to have the following format:</p> <pre>DeleteTCPMonRetries = Value</pre> <p>.....</p>
values	<p>You may enter any natural number.</p> <p>.....</p>
default	<p>Default is 10.</p> <p>.....</p>

Domain

.....
Domain contains the name of the domain, to which the used user name belongs. purpose

.....
This setting is optional. Type

.....
The keyword is recorded in the [GENERAL] section. section

.....
This is what an entry with an encrypted value looks like:  example

Domain = MTAwsuwrIw7ws+e6sfKIs4E+BA==

.....
The item has to have the following format: format

Domain = *Value*


.....
You may specify any string. values

The domain name will be encrypted by means of the program sealencrypt.exe.

.....
There is no default. default

.....

Password

purpose	PASSWORD contains the password belonging to the used user.
Type	This setting is optional.
section	The keyword is recorded in the [GENERAL] section.
 example	This is what an entry with an encrypted value looks like: Password = MTAwoG9QI49i1J4M/JK+mriwQw==
format	The item has to have the following format: PASSWORD = <i>Value</i>
values	You may specify any string. The password will be encrypted by means of the program sealencrypt.exe.
default	There is no default.

SetDevMode

.....
SetDevMode defines, whether the DEVMODE information is to be set.

purpose

.....
This setting is optional.


Type

.....
The keyword is recorded in the [GENERAL] section.

section

.....
The DEVMODE information is always to be set:

SetDevMode = ALWAYS

 example

.....
The item has to have the following format:

format

SetDevMode = *Value*

.....
You may specify the following values:


values

Value	Description
ALWAYS	The DEVMODE information is always set.
CREATE	The DEVMODE information is set only, if a printer is created or the printer driver is going to be changed.
NEVER	The DEVMODE information is ignored.

.....
The default is CREATE.

default

User

purpose	USER contains the user name.
Type	This setting is optional.
section	The keyword is recorded in the [GENERAL] section.
 example	This is what an entry with an encrypted value looks like: User = MTAwhQTPYWFy/3FFJOkWY84ZKA==
format	The item has to have the following format: User = <i>Value</i>
values	You may specify any string. The user name will be encrypted by means of the program sealencrypt.exe.
default	There is no default.

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[WEBPORTAL_TEC]	<i>PLOSSYS Webportal</i> , System Description, SEAL Systems

Terminology

The following section explains the most important terms that are used in this documentation. Terms identified by → refer to other terms in this section.

Cross-product terms:

DDB	Printer driver database of SEAL Systems
easyPRIMA	SEALCC plug-in from SEAL Systems for managing systems and queues across systems and components
SEAL Add Printer Wizard	Product from SEAL Systems, which allows the user to create his personal printer list out of the list of available printers
SEAL Control Center	Central, web-based user interface in plug-in technology for administrating SEAL Systems components
SEAL Operator	Web-based client framework for various SEAL Systems products (→PLOSSYS netdome, →PLOSSYS 5, PLOSSYS@archive, DPF, Web Portal etc.)
SEAL Setup	Wizard for installing and updating SEAL Systems products
SEAL Service	Windows service from SEAL Systems for starting commands and command chains (for example, CAD applications or databases) at a specific time or event (for example, when booting the server) and in the background without interactive user logon.
System Status	Product from SEAL Systems for starting, stopping and displaying the status of SEAL Systems components
Web Portal	Browser-based application from SEAL Systems for the digital distribution and secure sending of any number of documents and documents of any size; based on →SEAL Operator, successor of PLOSSYS Webportal

Terms for documentations concerning PLOSSYS netdome:

Output device	Device on which the document is output
Output driver	Program for controlling an →output device
Printer configuration file	Configuration file for →multi-drawers as addition to the configuration in the PLOSSYS netdome configuration file <code>plossys.cfg</code>
Console	User interface of PLOSSYS netdome in order to administrate jobs and output devices; →PLOSSYS OCON
Multi-drawer	Output device with several media tray or rolls; the device is configured by a section in the →system configuration file and by a →printer configuration file.
PLOSSYS netdome	Alternative product name for →PLOSSYS netdome; used in connection with PLOSSYS 5 and in overarching documentation.
PLOSSYS 5	New version of the output management system from SEAL Systems based on the microservice architecture and specifically designed for cloud operation
PLOSSYS Administrator	Graphical administration interface to →PLOSSYS 5
PLOSSYS Infoclient	Application (Tray-Icon) on the workstation to display status messages of output jobs

PLOSSYS netdome	Output management system from SEAL Systems
PLOSSYS netdome Settings	configuration interface for PLOSSYS netdome
PLOSSYS OCON	Graphical user interface of PLOSSYS netdome
Pool device	Pseudo output device which combines several →individual printers to a pool and distributes incoming jobs to its individual printers
System configuration file	PLOSSYS netdome configuration file <code>plossys.cfg</code> in the directory <code>server/plotserv</code>

Abbreviations

AD	Active Directory
ADDS	Active Directory Domain Services
API	Application Programming Interface
APW	Add Printer Wizard
ASCII	American Standard Code for Information Interchange
CAD	Computer Aided Design
DIN	German Institute of Standardization
DPF®	Digital Process Factory from SEAL Systems
FRANS	File Transfer Software by SEAL Systems
FTP	File Transfer Protocol
GB	Gigabyte
GUI	Graphical User Interface
IP	Internet Protocol
IPP	Internet Printing Protocol
ISO	International Standards Organization
JRE	Java Runtime Environment
KB	Kilobyte
kNet	Communications software by SEAL Systems on the base of TCP/IP
LDAP	Lightweight Directory Access Protocol
LPR line printer Remote	
NWC	PLOSSYS Webclient
OMS	Output Management System
PDF	Adobe Portable Document Format
PDF/A	Adobe Portable Document Format (PDF/A standard)
PLOSSYS®	Product family from SEAL Systems
P4	PLOSSYS netdome
P5	PLOSSYS 5
PNE	PLOSSYS netdome Settings)
REST	Representational State Transfer
RFC	Remote Function Call
SEALCC	SEAL Control Center
SNC	Secure Network Communications (SAP)
TCP	Transmission Control Protocol
URI	Uniform Resource Identifier
XML	Extensible Markup Language

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