

FACTSHEET

System Monitor

Interface or system monitoring



What is System Monitor?

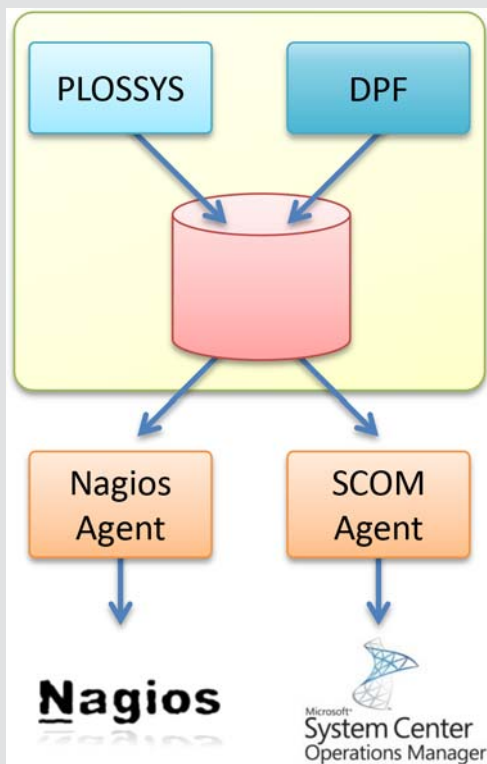
Proactive system monitoring supervises and controls important IT applications and the attached hardware. SEAL Systems applications can integrate into several system monitoring methods.



What can System Monitor do?

The SEAL Systems system monitoring interface provides three main functions:

- Collection of all **process and application data** relevant to the IT management system
- **Storage** of all collected data records in a central system monitoring data base
- **Access** of the IT management system to the data base via SEAL Systems interface



The interfaces Nagios and SCOM are controlled through agents.

Data Actuality

A cyclic data evaluation and information supply can be configured. A time stamp is for the recognition of actual data.

The Benefit



With the integration into IT management solutions, all SEAL Systems output management systems can be monitored through one standard user interface. In this way the corporate monitoring is improved and helpdesk staff is relieved.

System Monitor



Nagios system monitoring environment

Current Network Status

Last Updated: Thu May 19 10:27:13 CEST 2011
 Updated every 90 seconds
 Nagios® 3.0.6 - www.nagios.org
 Logged in as nagiosadmin

[View History For This Host](#)

[View Notifications For This Host](#)

[View Service Status Detail For All Hosts](#)

Host Status Totals

Up	Down	Unreachable	Pending
1	0	0	0
All Problems		All Types	
0		1	

Service Status Totals

Ok	Warning	Unknown	Critical	Pending
19	1	0	0	0
All Problems		All Types		
1		20		

Service Status Details For Host 'pctp'

Host	Service	Status	Last Check	Duration	Attempt	Status Information
pctp	HOST1 - Ping	OK	05-19-2011 10:22:46	2d 21h 9m 27s	1/4	OK - pctp: rta 0.468ms, lost 0%
	HOST2 - Server uptime	OK	05-19-2011 10:26:04	0d 0h 1m 9s	1/3	OK: uptime: 3d 0:41
	HOST3 - CPU load	OK	05-19-2011 10:26:14	0d 0h 0m 59s	1/3	OK CPU Load ok.
	HOST4 - Memory phys. 80/90	OK	05-19-2011 10:24:44	0d 0h 42m 29s	1/3	OK: physical memory: 1.4G
	HOST5 - Memory paged 80/90	OK	05-19-2011 10:23:05	2d 23h 24m 8s	1/3	OK: page file: 1.85G
	HOST6 - SEALService	OK	05-19-2011 10:25:51	0d 0h 41m 22s	1/3	OK: SEALService: started
	HOST7 - SystemDISK 10GB/1GB	OK	05-19-2011 10:26:58	0d 0h 40m 15s	1/3	OK: All drives within bounds.
	HOST8 - ApplicationDISK 50GB/10GB	OK	05-19-2011 10:18:05	0d 0h 39m 8s	1/3	OK: All drives within bounds.
	PLS01 - Output Manager	OK	05-19-2011 10:17:48	0d 0h 49m 25s	1/3	OK: Process: Ausgabe-Manager Status: RUNNING Pid: 6868
	PLS02 - Uptime	OK	05-19-2011 10:18:59	0d 0h 48m 14s	1/3	OK: Statistic id: uptime Value: 243807
	PLS03 - Infoserver	OK	05-19-2011 10:20:09	0d 0h 47m 4s	1/3	OK: Process: Infoserver Status: RUNNING Pid: 3192
	PLS04 - kNet	OK	05-19-2011 10:21:20	0d 0h 45m 53s	1/3	OK: Process: kNet-Server Status: RUNNING Pid: 4836 Port: 7123
	PLS05 - Spooler	OK	05-19-2011 10:19:11	0d 0h 44m 42s	1/3	OK: Process: Sealspooler Status: RUNNING Pid: 7440
	PLS06 - Maingate	OK	05-19-2011 10:17:22	0d 0h 19m 51s	1/3	OK: Process: maingate Status: RUNNING Pid: 5952
	PLS07 - Stargate	OK	05-19-2011 10:17:46	0d 0h 19m 27s	1/3	OK: Process: stargate Status: RUNNING Pid: 1916
	PLS08 - OCON Webserver	WARNING	05-19-2011 10:18:20	0d 0h 12m 53s	3/3	WARNING: Process: Apache for OCON Status: STOPPED Pid: 5408
	PLS11 - Jobs executed in 24h	OK	05-19-2011 10:18:37	0d 0h 8m 36s	1/3	OK: Statistic id: exejob24h Value: 1711
	PLS12 - Pages printed in 24h	OK	05-19-2011 10:20:48	0d 0h 6m 25s	1/3	OK: Statistic id: page_exejob24h Value: 7428
	PLS13 - Jobs waiting in all queues	OK	05-19-2011 10:22:06	0d 0h 5m 19s	1/3	OK: Statistic id: waitallqueues Value: 381
	PLS14 - Jobs waiting in spooler	OK	05-19-2011 10:21:10	0d 0h 6m 3s	1/3	OK: Statistic id: waitspooler Value: 7

SCOM system monitoring environment

The screenshot displays the Microsoft System Center Operations Manager 2007 R2 interface. The main window shows a 'Monitoring' view with a line chart for 'waitallgates' and 'exejob1h'. The chart shows 'waitallgates' increasing from approximately 500 to 1500 over time, while 'exejob1h' remains relatively flat around 500. The interface includes a left-hand navigation tree with categories like 'Monitoring', 'Performance', 'Network Device', and 'SEAL Systems'. A right-hand pane shows 'Actions' and 'Businesses'. Below the main chart, there is a 'Monitoring Overview' section with 'State and Alerts' and 'Key Concepts & How-to Videos'.

Scope of Functions

- Process information
- Control over runtime information and errors of an application
- Status information of SEAL Systems processes, translated through configuration tables into appropriate status displays

OK	05-19-2011 10:27:22	0d 0h 28m 2s	1/3	OK: Process: maingate Status: RUNNING Pid: 5952
CRITICAL	05-19-2011 10:35:02	0d 0h 0m 22s	1/3	CRITICAL: Process: stargate Status: FATAL Pid: 191
WARNING	05-19-2011 10:28:20	0d 0h 21m 4s	3/3	WARNING: Process: Apache for OCON Status: STO

Statistical Information

With the data from statistical information statements, it is possible to view current performance of an application. This can include runtime information, which could potentially cause future errors. With this data, a warning set and a critical range of values can be defined.

PLS11 - Jobs executed in 24h	WARNING	05-19-2011 10:45:06	0d 0h 0m 40s	1/3	WARNING
PLS12 - Pages printed in 24h	CRITICAL	05-19-2011 10:45:35	0d 0h 0m 11s	1/3	CRITICAL

Examples for statistical and performance evaluations

Number of jobs	Jobs in waste basket
	Jobs with status "error"
	Jobs with status "error" waiting for one hour
	Jobs with status "error" waiting for 24 hours
	Jobs with status "NODEL" (not deleted)
	Jobs currently processed
	Jobs incomplete
	Jobs waiting in the spooler
	Jobs waiting in gates and converters
	Jobs waiting in the gate or converter gate
Job size	Size of the processed jobs in kByte
	Size of the processed jobs during the last 24 hours in kByte
Pages	Number of pages of processed jobs
	Number of pages of processed jobs during the last 24 hours
Output size	Square meters of processed jobs
	Square meters of processed jobs during the last 24 hours

System Monitor

Maintenance Mode

Maintenance on systems can be recognized as false errors. A maintenance mode is available to prevent unnecessary messages for false errors..

Architecture

Process and job information is transferred into an application independent database.

The respective IT management system is supplied with all necessary data through suitable adapters. Fitting adapters are also supplied for the integration of different SEAL Systems applications.

Adapter System Monitors

- Nagios with integration method PlugIn.
- Microsoft SCOM with integration method Management Pack for Windows Server.

Adapter SEAL Systems Products

- PLOSSYS® netdome Version 4.4.3 and higher. The adapter also supervises processes of other SEAL Systems components (DPF, Archive, RFC connections), if PLOSSYS is configured as the control system.
- Microsoft 2007 R2 Operations Manager (SCOM) and higher.
- Nagios.

Product code

PR-SYSMON



Gert Oehler is the specialist for answering your questions around:

Output and distribution of documents – Quick and efficient!



Gert Oehler
Tel +49 9195 926 136
gert.oehler@sealsystems.de



U.S.A./Canada/South America:
David Salamanek
Tel +1 865 380 0005
info@sealsystems.com

 **SEAL SYSTEMS**
THE DIGITAL PAPER FACTORY

E-Mail: info@sealsystems.com
Web: www.sealsystems.com

 **OUTPUT MANAGEMENT**
CORPORATE SOLUTIONS BY SEAL SYSTEMS

We would be happy to answer your questions around the generation of documents and the appropriate use in your company.

© 2018 SEAL Systems. PLOSSYS is a registered trademark of SEAL Systems. Other computer and software names mentioned in this brochure are trade names and/or trademarks of the respective manufacturers. Subject to change without notice.
Date: 07. February 2018. V118-110525-0-en