



op5 Monitor for IFS Applications

Control of your Business Core Application

New technologies has enabled a new generation of ERP systems with great functionality but with higher complexity. A proactive, easy-to-install and manage Network Management System is a vital component of successful and efficient ERP systems operation.

op5 Monitor for IFS Applications is the result of a joint development partnership between op5 AB and IFS. The core components are certified by IFS.

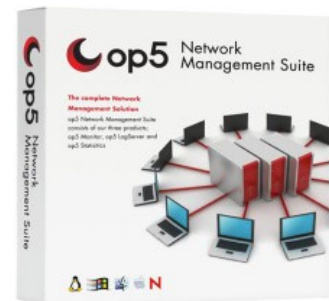
Total system availability and performance control of your IFS applications is a good way to assure best possible ROI and maximum usage of of your core ERP system.

op5 for IFS Applications is the answer to your requirements. It enables IT-organizations to be proactive instead of reactive and will significantly reduce IT-system down time and reduce work load. op5 for IFS Applications will be fully operational in a few days to a fraction of the cost compared to established proprietary solutions.

op5 Monitor for IFS Applications

op5 Monitor will help you to monitor and track most aspects of IFS Applications.

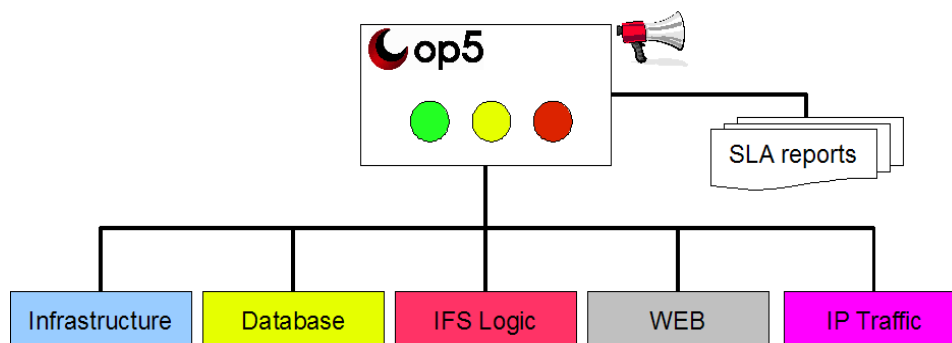
- Abnormal system behaviour are directly identified.
- Alarms with notifications are automatically generated via mail, SMS or 3rd party ticket handling systems.
- op5 Monitor for IFS is shipped with full set of generic plug-ins including
 - active monitoring of the infrastructure,
 - traffic flows,
 - applications status
 - database
 - generic process performance.



Helicopter to detailed problem analysis.

op5 Monitor delivers an easy way to view the whole IFS Application system in one Network Operating Centre view. Any potential problem that can effect the system performance will be clearly displayed so that it can be addressed before it turns into a problem.

The monitoring features includes detailed analysis of the database logic of IFS Applications.



The op5 Monitor IFS plug-in is directly inserted to the IFS Application monitor console.

Example of table content in IFS Application monitor console:

APPLICATION_SEARCH_ERROR - Application Search documents with errors	INVALID_TRIGGERS - Number of invalid triggers
APPLICATION_SEARCH_SYNCH - Application Search unsynchronized documents	INVALID_VIEWS - Number of invalid views
ARCHIVING_PROCESSES - Number of archiving processes	LOGGED_ON_USERS - Number of currently logged on users
BATCH_QUEUE_ACTIVE - Number of active batch queues	PLSQLAP_PING - PL/SQL Access Provider configuration test
BATCH_QUEUE_CONFIG - Number of configured batch queues	PRINT_SERVER_CONFIG - Number of configured print servers
BATCH_QUEUE_PROC - Number of active batch queues processes	PRINT_SERVER_RUNNING - Number of running print servers
CLEANUP_TOTAL - Number of cleanup processes	QUEUE_ERROR - Number of background jobs error
CONNECTIVITY_PROCESSES - Number of connectivity processes	QUEUE_EXEC - Number of background jobs executing
DAYS_LEFT - Number of days remaining until IFS license key expires.	QUEUE_PROCESSES - Number of Oracle queue processes
DBMS_JOB_BROKEN - Number of DBMS_JOB broken processes	QUEUE_READY - Number of background jobs ready
DBMS_JOB_TOTAL - Number of DBMS_JOB processes	QUEUE_WAIT - Number of background jobs waiting
FND_USERS - Number of Foundation1 users	REPLICATION_PROCESSES - Number of replication processes
INVALID_BODIES - Number of invalid package bodies	ROLES_PER_USER - Average number of active roles per user
INVALID_PACKAGES - Number of invalid packages	SERVER_PROC_BROKEN - Number of DBMS_JOB broken processes
SESSIONS - Number of current sessions	SERVER_PROC_TOTAL - Number of DBMS_JOB processes

Note: The generic plug-in design supports any customer unique added values. This enables flexible and very cost effective change management even for very customised IFS Applications.

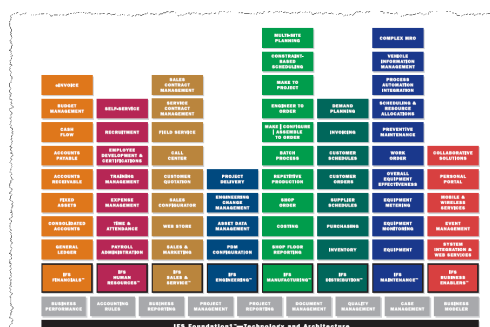
Clear and direct monitoring of IFS Applications

Host	Service	Status	Last Check	Duration	Attempt	Status Information
IFS_application-server	IFS.Qurev - DAYS_LEFT	OK	2008-09-15 08:02:12	0d 0h 4m 38s	1/3	OK - DAYS_LEFT returned 274. (Number of days remaining until IFS license key expires.)
	IFS.Qurev - DBMS_JOB_BROKEN	OK	2008-09-15 08:02:12	0d 0h 4m 38s	1/3	OK - DBMS_JOB_BROKEN returned 0. (Number of DBMS_JOB broken processes)
	IFS.Qurev - QUEUE_WAIT	OK	2008-09-15 08:02:12	0d 0h 4m 38s	1/3	OK - QUEUE_WAIT returned 1. (Number of background jobs waiting)
	IFS.Qurev - USERS_LEFT	OK	2008-09-15 08:02:12	0d 0h 4m 38s	1/3	OK - USERS_LEFT returned 2658. (Number of active users left until license limit is reached.)
	iboss.lmx - AvailableConnectionCount	OK	2008-09-15 08:02:12	0d 0h 4m 38s	1/3	OK - AvailableConnectionCount: 50
	iboss.lmx - ConnectionCount	OK	2008-09-15 08:02:12	0d 0h 4m 50s	1/3	OK - ConnectionCount: 5
	iboss.lmx - FreeMemory	OK	2008-09-15 08:02:12	0d 0h 4m 38s	1/3	OK - FreeMemory: 99 MB
	iboss.lmx - InUseConnectionCount	OK	2008-09-15 08:02:13	0d 0h 4m 37s	1/3	OK - InUseConnectionCount: 0
	iboss.lmx - MaxConnectionsInUseCount	OK	2008-09-15 08:02:13	0d 0h 4m 37s	1/3	OK - MaxConnectionsInUseCount: 2
	iboss.lmx - MaxMemory	OK	2008-09-15 08:02:13	0d 0h 4m 37s	1/3	OK - MaxMemory: 740 MB
	iboss.lmx - MaxSize	OK	2008-09-15 08:02:13	0d 0h 4m 37s	1/3	OK - MaxSize: 50
	iboss.lmx - MinSize	OK	2008-09-15 08:02:13	0d 0h 4m 37s	1/3	OK - MinSize: 5
	iboss.lmx - TotalMemory	OK	2008-09-15 08:02:15	0d 0h 4m 48s	1/3	OK - TotalMemory: 417 MB
	PING	OK	2008-09-15 08:02:15	0d 0h 4m 35s	1/3	OK - 192.168.1.161: rta 20.049ms, lost 0%
	iboss.snmip - AvailableConnectionCount	OK	2008-09-15 08:02:15	0d 0h 4m 35s	1/3	OK - AvailableConnectionCount: 50
	iboss.snmip - ConnectionCount	OK	2008-09-15 08:02:15	0d 0h 4m 35s	1/3	OK - ConnectionCount: 5
	iboss.snmip - FreeMemory	OK	2008-09-15 08:02:15	0d 0h 4m 35s	1/3	OK - FreeMemory: 102582000
	iboss.snmip - InUseConnectionCount	OK	2008-09-15 08:02:15	0d 0h 4m 35s	1/3	OK - InUseConnectionCount: 0
	iboss.snmip - MaxConnectionsInUseCount	OK	2008-09-15 08:02:15	0d 0h 4m 35s	1/3	OK - MaxConnectionsInUseCount: 2
	iboss.snmip - MaxMemory	OK	2008-09-15 08:02:15	0d 0h 5m 30s	1/3	OK - MaxMemory: 775487488
iboss.snmip - MaxSize	OK	2008-09-15 08:02:15	0d 0h 4m 46s	1/3	OK - MaxSize: 50	
iboss.snmip - MinSize	OK	2008-09-15 08:02:15	0d 0h 4m 35s	1/3	OK - MinSize: 5	
iboss.snmip - TotalMemory	OK	2008-09-15 08:02:15	0d 0h 4m 35s	1/3	OK - TotalMemory: 437125120	

Controlling the agile business.

IFS application modular flexibility is a key benefit for the IFS customer. However it creates a strong need for flexible and easy to change and use monitoring. op5 Monitor delivers just that.

Utilising op5 Monitor Service Groups enables you to group any process, check, hardware or application in a logical group. This greatly reduces the complexity as a potential problem. Whatever the problem it can directly be viewed from the service level.



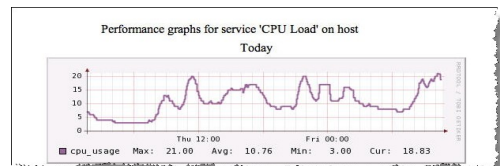
Host	Status	Services	Actions
IFS_application-server	UP	23 OK	[Icons]
Toshiba_3510	UP	8 OK	[Icons]
internet	UP	1 OK	[Icons]
ldap_stockholm	UP	3 OK	[Icons]
mailgateway_stockholm	UP	1 OK	[Icons]
mailserver_stockholm	UP	4 OK	[Icons]
remotecheck_berlin_1	UP	5 OK	[Icons]
vmware_stockholm	UP	6 OK	[Icons]
webserver_stockholm_1	UP	11 OK	[Icons]

op5 Monitor Service groups

Any IFS application is depending on many different variables. The user works in the GUI, but the user experience is highly depending on many underlying factors. By grouping the different depending processes together we create a very easy to understand application dependency mapping. This saves time in problem analysis and forms the bases for active Service Level Agreements and report.

Reporting

The op5 Monitor application will further more enable you to track service levels on any level of your infrastructure and application stack. SLA and availability reports will be automatically generated and can be distributed daily, weekly or monthly through out the organisation as regular PDF files.



Type / Reason	Time	Total time
Up	96d 11h 27m 22s	91.905 %
Down	7d 23h 14m 41s	8.094 %
Unreachable	46s	0.001 %
Undetermined	0d 0h 0m 0s	0 %
All	98d 10h 4m 47s	100.000 %

Service	Time OK	Time Warning	Time Unknown	Time Critical	Time Undetermined
CPU Load	91.865 %	0 %	0 %	0.135 %	0 %
Disk usage C:	66.584 %	25.176 %	0 %	8.219 %	0 %
Mem usage	90.901 %	0.018 %	0 %	9.082 %	0 %
PBM	50.142 %	35.620 %	0 %	14.238 %	0 %

Availability, SLA and trend reports all adds to the fundamentals in planning your future IT. It gives direct input on the quality of past investments and quantifies the future needs for investments.

Based on Open Source

The unique open-source based architecture of op5 Monitor enables modifications to further suite your needs. The solution is based on the well known LAMP stack (Linux, Apache, MySQL and PHP) so that anyone with skills of IFS Applications and basic skills of LAMP can modify or add functionality and add controls to the system. This greatly reduces risk and need for very expensive experts.

Implementation of op5 for IFS Applications

Implementation and configuration of the above defined “out of the box” controls is offered as a number of fixed price services packages, “op5 Goodstart”. The price of the Good Start Package varies depending of the number of monitored objects and implemented controls.

About op5 – www.op5.com

Our business concept is to offer the market the most cost effective solution for IT support organizations. We utilize the power and efficiency of Open Source as the prime component in our product development. op5 has more than 300 satisfied customers in Scandinavia.

