



## CockpitMgr for OpenVMS Solution Data Sheet

CockpitMgr is a proven OpenVMS-based solution for managing mission-critical systems and clusters. It centralizes all management operations to monitor your OpenVMS production environment.

The screenshot displays the CockpitMgr for OpenVMS graphical user interface. The top window shows a network diagram with various nodes and connections. The bottom window is the 'CockpitMgr Event Console' for user SYSTEM, displaying a list of system events with columns for System, Date&Time, Text, and Solution.

System	Date&Time	Text	Solution
TETHYS	11-APR-2015 22:32:16.62	Disk \$1SDGA203 (DISKSORACLE_1) has 7.32% free blocks (663E480 blocks)	
BRSADV	11-APR-2015 23:06:03.06	Disk \$2SDGA5 is not mounted	
FCS3	11-APR-2015 23:44:18.19	The physical state of port 4 has changed from inSync to noLight	
NEPTUN	12-APR-2015 03:01:11.26	Please mount device _\$2SDKB300 (NEPTUN)	
BRSOPI	12-APR-2015 13:57:29.85	%SECURITY_BREAKIN, BRSOPI:VISITOR attempts breakin with user SMITH	
HUB001	12-APR-2015 00:00:00.03	A module has been removed.	
HUB001	12-APR-2015 00:00:04.04	A backplane connection change has occurred.	
LUX	12-APR-2015 14:16:19.26	Disk \$1SDGA300 is copy target in shadow set DSA3:	Copy operation terminated (12-APR-
BRSADV	12-APR-2015 14:17:18.35	Only 320 global page table entries free	
BRSADV	12-APR-2015 14:19:54.93	Process DB_server is missing	
BRSVMS	12-APR-2015 14:19:59.03	Process IPPATER (PID: 20400129) seems to be looping	Process deleted (12-APR-2015 14:19
PLUIS	12-APR-2015 15:58:11.46	%SYSTEM-W-PAGEFRAC page file filling up; please create more space	
BRSAXP	12-APR-2015 16:12:33.25	%SYSTEM-F-NOSLOT, no PCB available	
LUX	12-APR-2015 18:00:04.25	Disk \$1SDGA420 is missing as member of shadow set DSAs:	
BRSOPI	12-APR-2015 18:16:08.82	User OPERATOR modified SVSUAF record SMITH: PGFLQUOTA, BYTLM	
BROBAT	12-APR-2015 18:19:12.05	Scheduler job FIBAS_EOD (PID: 202001D3) for user ACCOUNTING1 has started	Job completed OK (12-APR-2015 18:
BROBAT	12-APR-2015 18:19:16.10	Scheduler job FIBAS_FULL (PID: 202001D9) for user ACCOUNTING1 has started	
GFD0002	12-APR-2015 21:04:25.91	The STP state of port 3-1 in VLAN 99 (GFD0004) has changed from "forwarding" to "broken"	
BRSVMS	12-APR-2015 22:48:12.51	%SYSTEM-W-POOLEXP, Pool expansion failure	
PLUIS	12-APR-2015 22:53:26.32	%LICENSE-W-MOLOAD, license was not loaded for VMSCLUSTER	
LU2	12-APR-2015 22:59:42.15	%OMMAN-E-ONEPRCSTOP, failed to create a batch process, queue TOPPOLVSRV_LU2 will be stopped	Threshold not exceeded (12-APR-20
TETHYS	12-APR-2015 22:59:42.16	Disk \$1SDGA201 (DISK\$WORKFILES) has 9.98% free blocks (2002762 blocks)	
CISCO_001	13-APR-2015 00:02:08.28	Link down (2)	
SANM01	13-APR-2015 00:08:18.28	An RSV controller's battery assembly has malfunctioned	

A business-critical environment demands 24x7 monitoring of the complete underlying IT-infrastructure. System managers need the tools to deliver the required availability and performance. Although OpenVMS is considered one of the most reliable operating systems, hardware and software problems cannot be entirely avoided.

CockpitMgr is a proven OpenVMS-based solution for managing mission-critical systems and clusters. It monitors the entire OpenVMS production environment and helps system managers to identify potential problems before they cause painful interruption of service. CockpitMgr centralizes all management operations and provides all necessary tools to build a fully integrated management system.

CockpitMgr for OpenVMS assists the system manager 24 hours per day. The product records all events generated by the monitored systems and associated network and storage devices. CockpitMgr takes over routine tasks, notifies the OpenVMS system manager when necessary and can take corrective action without operator intervention. Events are detected, analysed, processed, reported and logged, allowing problems to be detected and corrected before operations are disturbed.

CockpitMgr has been successfully deployed in rail transport, stock exchanges and financial services, retail, automobile industry, police departments, healthcare, military, telecommunication, food industry, energy production and transport, travel industry and managed services.



### Central Event Engine

The Event Engine is the heart of the cockpit. It processes all information collected from different sources and takes care of event correlation, notification and reporting.

### Event Console

The event console is a customizable Motif application which displays all or selected events. Buttons allow the quick selection of events based on event class. Additionally, events can be assigned owners or deleted. A web browser can also be used to display events.

### System Monitor

The System Monitor allows supervision of many aspects of production systems, including processes, free disk space, shadow sets and queues. Monitoring of each type can be configured according to time of day. VMS clusters are fully supported, configuration per node and cluster can be accomplished within minutes. Monitoring can easily be extended with your own specialized modules.

### Console Management

The system console is an important source for system and application messages. CockpitMgr provides full console management functionality, and allows you to connect to consoles, log console output and search this output for important messages. Useful and up-to-date scan profiles allow quick configuration of the console manager.

### SNMPtrap Listener

The SNMPtrap Listener analyses SNMPtraps sent to the cockpit by network and storage devices.

### Logfile Browser

Keeping the production running smoothly also means continuously checking for errors in log files of batch jobs and applications. The Logfile Browser guarantees early notification of errors detected in the log files of job streams and applications.

### Network Monitoring

Especially in multi-site cluster configurations it is crucial to monitor the availability of network devices and changes to their port states. SNMP-based utilities monitor selected network devices.

### Storage

CockpitMgr performs all necessary monitoring on storage controllers, devices and Fibre Channel switches.

### Performance Watcher

The Performance Watcher continuously scans for indications of system performance degradation, for example looping processes, processes in a special wait state, processes using lots of CPU and pool utilisation.

### Security Audit Listener

The CockpitMgr Security Audit Listener monitors the security of the information entrusted to your OpenVMS systems. For each security event a comprehensive message is generated.

### Pager Engine

CockpitMgr includes an intelligent Pager Engine for notification of important events to cell phones.

### Automatic Pilot

Repair actions can be automatically triggered by events, without intervention of a system manager.

### Graphical User Interface (GUI)

A GUI gives system managers and operators an at-a-glance status overview of systems, clusters, network and storage devices.

### Census

Census collects configuration data on systems, storage and network devices, and compares it with previous snapshots. Configuration data is stored in XML format, which facilitates reporting using a web browser.

#### System Requirements:

For the cockpit: OpenVMS V8.4 (or higher) for Integrity or Alpha

#### For managed systems:

For VAX: OpenVMS V5.5 or higher  
For Alpha: OpenVMS V6.2 or higher  
For Integrity: OpenVMS V8.3 or higher