

# 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.

System	Date&Time	Text	Solution
TETHYS	11-APR-2015 22:32:18.62	Disk \$1SDGA203: (DISK\$ORACLE_1) has 7.32% free blocks (663E480 blocks)	
BRASDV	11-APR-2015 23:00:03.06	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 _\$2\$DKB300: (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-
BRASDV	12-APR-2015 14:17:18.35	Only 320 global page table entries free	
BRASDV	12-APR-2015 14:19:54.99	Process DB_server is missing	
BRSVMS	12-APR-2015 14:19:58.03	Process UPDATER (PID: 20400129) seems to be looping	Process deleted (12-APR-2015 14:19
PLUS	12-APR-2015 15:59:11.46	%SYSTEM-W-PAGEFRAG, page file filling up; please create more space	
BRASXP	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 DSA5:	
BRSOPI	12-APR-2015 18:16:08.82	User OPERATOR modified SYSUAF record SMITH: PGFLOUTA,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	
PLUS	12-APR-2015 22:53:26.32	%LICENSE-W-NOLOAD, license was not loaded for VMSCUSTER	
LU2	12-APR-2015 22:59:42.15	%XMAN-E-CREPRCSTOP, failed to create a batch process, queue TCPPOLYSRV_LU2 will be stopped	
TETHYS	12-APR-2015 22:59:42.18	Disk \$1SDGA201: (DISK\$WORKFILES) has 9.88% free blocks (2002762 blocks)	Threshold not exceeded (12-APR-20
CISCO_001	13-APR-2015 00:02:08.26	Link down (2)	
SANM01	13-APR-2015 00:08:18.28	An HSV 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, analyzed, 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, automobile industry, police departments, healthcare, telecommunication, military, food industry, energy production and transport, retail, travel industry and managed services.**



# Hewlett Packard Enterprise

## Event Notification System

The Event Notification System is the kernel of the cockpit system. All information collected from different sources is fed into the ENS and processed. This application takes care of event correlation, notification and reporting.

## Event Console

The event console is a customisable 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 analyzes 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 can monitor selected network devices, such as Cisco Catalyst switches.

## 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.

CockpitMgr for OpenVMS is available in three versions:

**Minicenter** to manage up to 10 OpenVMS systems for smaller, but still business-critical datacenters.

**Datacenter** to manage up to 25 OpenVMS systems.

**Maxicenter** with management support for an unlimited amount of systems, and installation of a standby cockpit for disaster-tolerant configurations.

System Requirements:

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

For managed VMS systems:

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

Support for all future releases by VSI is planned.

CockpitMgr is a product from HP Technology Services.  
For more information contact [johan.michiels@hp.com](mailto:johan.michiels@hp.com)