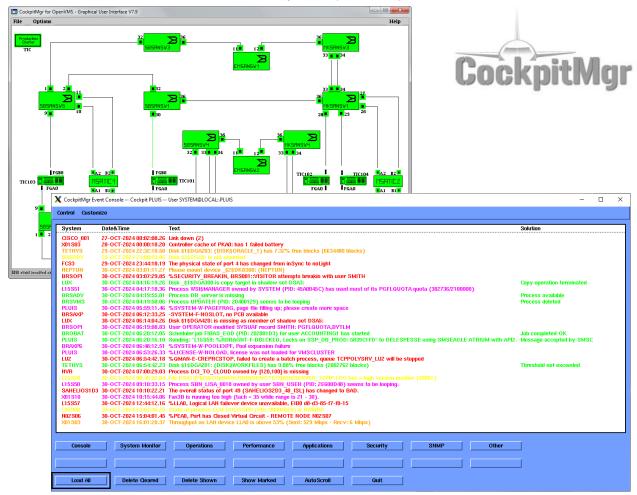


CockpitMgr for OpenVMS Solution Data Sheet

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



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.





System Monitor

The System Monitor supervises aspects of production systems, including processes, disk space, shadow sets, and queues. 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 also be extended with your own specialized modules.

Console Management

The system console is an important source for system and application messages. CockpitMgr allows connection to consoles, logging of console output, and searching for important messages. Scan profiles allow quick configuration of the console manager.

SNMPtrap Listener

The SNMPtrap Listener analyzes SNMPtraps sent by network and storage devices.

Logfile Browser

Checking log files of batch jobs and applications is necessary for smooth production running. The Logfile Browser provides early notification of errors detected.

Hardware Monitoring

Hardware monitoring includes checks of device error counters, power supplies, temperature sensors, and fans in servers, timeouts on FC HBA's, and the status of RAID controllers and their physical devices.

Network Monitoring

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

Storage

CockpitMgr monitors storage arrays, controllers, and Fibre Channel devices.

Performance Watcher

The Performance Watcher scans for system performance issues, such as looping processes, processes in a special wait state, high CPU and memory usage, and quota utilization.

Security Audit Listener

The CockpitMgr Security Audit Listener monitors the security of information on OpenVMS systems. A comprehensible message is generated for each security event.

Central Event Engine

The Event Engine processes information from various sources and handles event correlation, notification, and reporting.

Event Console

The event console is a customizable application that displays events. Buttons allow selection of events based on event class. Events can be assigned owners or deleted. A web browser can also display events.

Pager Engine

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

Automatic Pilot

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

Graphical User Interface (GUI)

A GUI provides an overview of systems, clusters, network and storage devices, as well as their interconnections.

Census

Census collects configuration data on systems, storage, and network devices, comparing it with previous snapshots. Configuration data is stored in XML format for web browser reporting.

Minimum System Requirements:

For the cockpit:

- ✓ OpenVMS V8.4-2L1 for Alpha
- ✓ OpenVMS V8.4-2L3 for Integrity
- ✓ OpenVMS V9.2-3 for x86
- ✓ VSI TCP/IP V6.0, SSL V3, OpenSSH

For managed systems:

- ✓ OpenVMS V5.5 for VAX
- ✓ OpenVMS V6.2 for Alpha
- ✓ OpenVMS V8.3 for Integrity
- ✓ OpenVMS V9.2 for x86

CockpitMgr incorporates 40 years of experience in OpenVMS systems management and system programming. It combines the expertise of multiple system managers into a single product.

For further information, contact us to arrange a free initial workshop to explore how CockpitMgr can be implemented in your production environment.