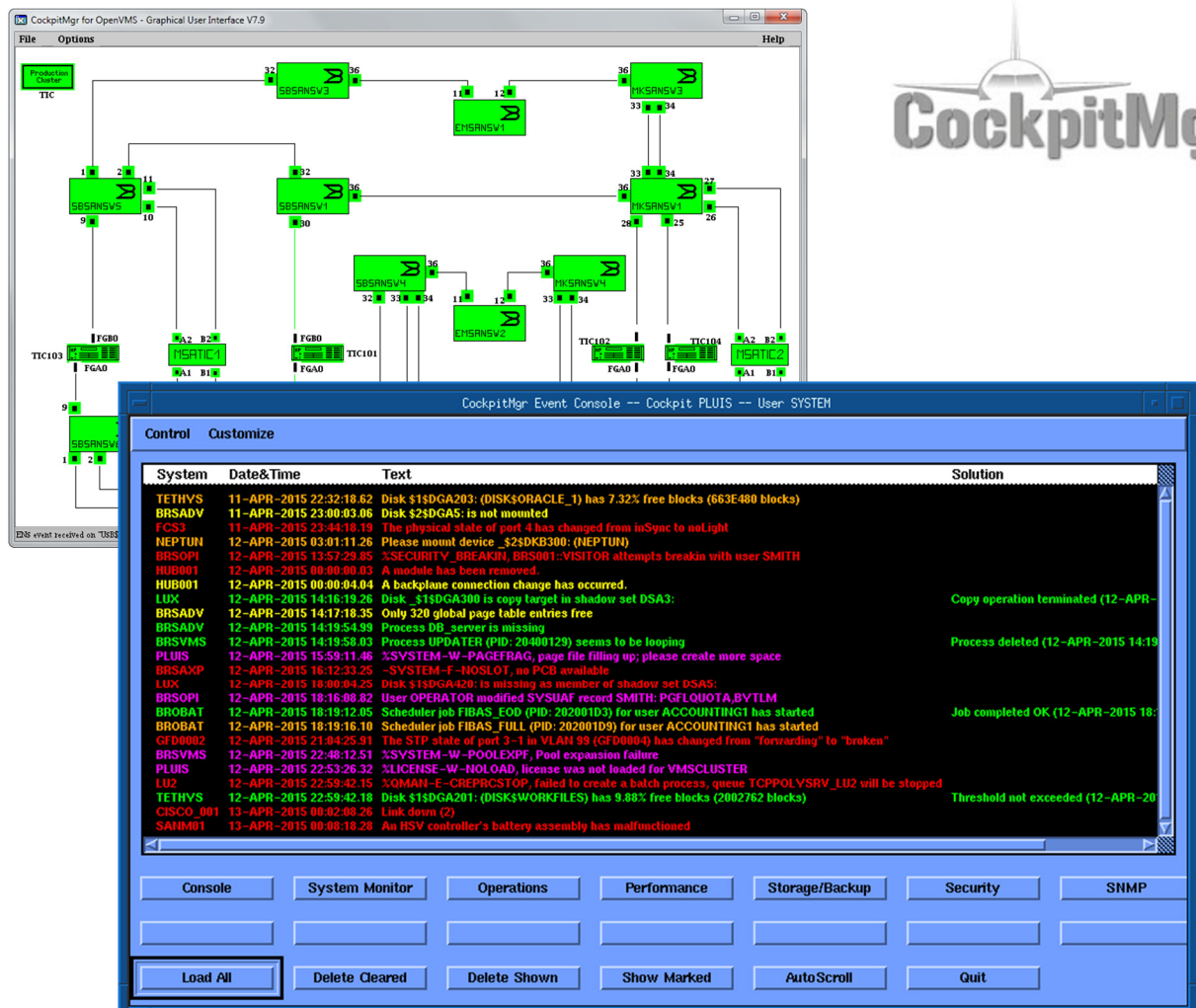# CockpitMgr for OpenVMS Solution Data Sheet

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.

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.

Hardware Monitoring

Hardware monitoring includes regular checks of the traditional device error counters, but also verification of the status of power supplies, temperature sensors and fans in servers, slow I/O's and time-outs on FC HBA's, and the status of RAID controllers and their physical devices.

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 arrays, controllers, and Fibre Channel devices.

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, and their interconnectivity.

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.

Minimum System Requirements:

For the cockpit:
- ✓ OpenVMS V8.4 for Alpha
- ✓ OpenVMS V8.4 for Integrity
- ✓ OpenVMS V9.2 for x86

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

CockpitMgr is the result of 40 years of experience in OpenVMS systems management and system programming. It bundles the know-how of many system managers into one product.

Please contact us for a free initial workshop and learn how CockpitMgr can be a solution in your production environment.