



RoboMon® for OpenVMS

Manage Any OpenVMS Environment Better

RoboMon monitors and manages your OpenVMS-based applications and systems, enabling you to maintain the highest levels of eBusiness availability and performance. RoboMon detects problems, reports and graphs performance data, and centralizes the monitoring of widely distributed networks. RoboMon provides a unique combination of superior monitoring, unmatched scalability and ease of deployment and maintenance, to give you the best Return on Investment and the lowest Total Cost of Ownership for your IT organization.

OpenVMS Data Collector

RoboMon's powerful native OpenVMS collector collects over sixteen hundred statistics to provide comprehensive operational and performance data in the following areas:

- System-wide cpu, memory, I/O
- Network availability
- Devices (disks, tapes, printers)
- Processes
- Queues (batch, print, terminal and server)
- Jobs (batch and print jobs)
- Files
- SYSGEN parameters
- LAT ports
- LAT nodes
- Disk quotas

Built-in Rules: RoboMon Solutions

RoboMon includes comprehensive pre-defined rules called Solutions Rules, which are controlled through the Motif GUI interface. These rules detect a wide variety of common OpenVMS operational and performance problems. They are specifically designed to be self-configuring, so that RoboMon is fully functional "out-of-the-box". Once installed, the product is both readily tailorable and extensible, so that site-specific requirements can easily be accommodated, resulting in a comprehensive ability to perform "lights-out" operations, which is particularly crucial to global eBusiness.

All rules are provided with reasonable default values for monitoring intervals, thresholds and selections, which in most cases are user-adjustable. All built-in rules operate in advise-only mode when first installed, and offer a range of notification techniques. User-defined corrective actions can be taken if they are enabled by the user.

Automation

The pre-defined Automation rules include operational sensors that enable the user to automate tasks, and to monitor and react to common problems, including:

- Cpu and memory errors
- Page file space shortages
- Process existence
- Runaway (looping) processes
- High priority processes
- Idle processes
- Disk quota checks
- Process state and quota problems
- Disk errors, fragmentation, space shortages, state problems
- Device host name check
- Miscellaneous device errors
- Tape errors and mount problems
- LAT status
- Terminal port usage
- Batch job priority, existence, state problems, pending problems
- Printer device errors
- Print jobs pending, print queue problems
- File existence, modification checking
- Application file size
- File problems (not backed up, etc.)
- Network node reachability and time difference checking
- User-defined maintenance tasks
- Basic performance checks

Performance (extra cost option)

The pre-defined Performance rules analyze performance on an ongoing basis and provide detailed advice regarding the specific nature of performance problems and the steps necessary to correct them. Automatic Tuning can optionally be implemented on a per-rule basis. All areas of OpenVMS performance are covered, including configuration, cpu performance, I/O, memory, paging and cluster-wide issues.

Oracle (extra cost option)

RoboMon's Oracle rules work out of the box to monitor key configuration and performance issues based on extensive advice and recommendations obtained directly from Oracle. These rules embody the expertise and problem solving skills of experienced Oracle DataBase Administrators (DBAs), to give you useful information immediately. In addition to checking basic operational issues, such as locked objects and database

Oracle cont.

and log file disk space, RoboMon also addresses Oracle configuration issues, such as the size of the redo log buffer and the number of DML locks. Furthermore, RoboMon keeps an eye on Oracle performance and accessibility, and alerts you to problems such as inefficient caching or sorting, list contention, and buffer waits.

OpenVMS Notification Capabilities

As well as the standard notification capabilities supported by RoboMon (e-mail, paging, RoboMon Event Monitor, SNMP traps), the OpenVMS version also supports the following actions:

- Send an OPCOM message
- Broadcast a message to a terminal
- Send a message to DECMCC

Networks Communications

RoboMon's server technology enables RoboMon to communicate from one computer to another, either sending messages to RoboMon's Event Monitor or controlling rules on a remote system.

Communication is achieved between OpenVMS systems using either DECnet or TCP/IP. For communication between OpenVMS and UNIX or Windows NT systems, RoboMon uses TCP/IP.

Installation

RoboMon is user-installed using the VMSINSTAL utility. During the installation, the RoboMon help is inserted in the OpenVMS help library and the RoboMon command definitions are added to the system DCLTABLES.

Operating Systems and Versions Supported

Operating System	Version
VAX - OpenVMS*	6.0-6.2, 7.n
Alpha AXP - OpenVMS	6.1, 6.2, 7.n

* for OpenVMS V5 support, please contact Heroix Corporation

Hardware and Software Requirements

- Any VAX™ or Alpha AXP CPU capable of running the minimum required OpenVMS version
- DECnet or TCP/IP required for network-wide event monitoring & control
- DECwindows Motif™ licence and windowing terminal required for Motif interface
- PostScript™ or X graphics support required for printing graphs
- Disk space requirements for full product:

VAX	50,000 blocks
Alpha AXP	50,000 blocks



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