

Distributed Lock Management

For each mission, the group of computers can share a set of up to 24 resources.

A resource represents either:

- A physical device identifier such as disk, tape, line or peripheral
- An access path to data or NFS files
- Any virtual resource, flag, or event

Master/Slave Management

There are three different roles for computers in a mission: master, slave and satellite. DECwatchdog/Autopilot automatically assigns master and slave roles for each mission, conforming to user's preferences. A computer which is neither slave nor master is called a satellite computer. A satellite computer never competes for master role.

Automated Recovery

DECwatchdog/Autopilot can automatically initiate standard command files on each computer in case of any state transition of

- computers
- networks
- resources

Command files include any application recovery action.

Other Features

DECwatchdog/Autopilot is specifically designed to manage heterogeneous groups of computers. While computers do not necessarily run the same operating system, a compatible version of DECwatchdog/Autopilot must be present on each of them.

DECwatchdog/Autopilot supports planned service interruptions for hardware maintenance or operating system upgrades. It allows online reconfiguration of applications and groups.

DECwatchdog/Autopilot does not prevent erroneous access conflicts on shared peripherals. Additional safe locking mechanisms will be invoked in command files when necessary.

HARDWARE REQUIREMENTS

Processors Supported

RISC-Based Processors:

Personal DECstation 5000 Model 20/25 HX,
Personal DECstation 5000 Model 20/25 MX,
Personal DECstation 5000 Model 20/25 TX,
Personal DECstation 5000 Model 20/25 PXG+,
Personal DECstation 5000 Model 20/25 PXG Turbo+

DECstation 5000 Model 120/125/133 CX,
DECstation 5000 Model 120/125/133 HX,
DECstation 5000 Model 120/125/133 MX,
DECstation 5000 Model 120/125/133 PX,
DECstation 5000 Model 120/125/133 TX,
DECstation 5000 Model 120/125/133 PXG,
DECstation 5000 Model 120/125/133 PXG+,
DECstation 5000 Model 120/125/133 PXG Turbo,
DECstation 5000 Model 120/125/133 PXG Turbo+

DECstation 5000 Model 200 CX,
DECstation 5000 Model 200 HX,
DECstation 5000 Model 200 MX,
DECstation 5000 Model 200 PX,
DECstation 5000 Model 200 TX,
DECstation 5000 Model 200 PXG,
DECstation 5000 Model 200 PXG+,
DECstation 5000 Model 200 PXG Turbo,
DECstation 5000 Model 200 PXG Turbo+

DECstation 5000 Model 240 HX,
DECstation 5000 Model 240 MX,
DECstation 5000 Model 240 TX,
DECstation 5000 Model 240 PXG+,
DECstation 5000 Model 240 PXG Turbo+

DECsystem: DECsystem 5000 Model 25,
DECsystem 5000 Model 200,
DECsystem 5000 Model 240,
DECsystem 5100,
DECsystem 5500,
DECsystem 5900

Processors Not Supported

DECstation: DECstation 2100, DECstation 3100,
DECstation 3100s

DECsystem: DECsystem 3100,
DECsystem 5400, DECsystem 5810,
DECsystem 5820, DECsystem 5830,
DECsystem 5840,

VAX, MicroVAX, VAXserver, and VAXstation processors are not supported.

Disk Space Requirements

Disk space required for installation:

Root file system:	205 KB
Other file systems:	usr 40 KB var 4 KB

Disk space required for use (permanent):

Root file system:	205 KB
Other file systems:	usr 40 KB var 4 KB

These counts refer to the disk space required on the system disk. The sizes are approximate; actual sizes may vary depending on the user's system environment, configuration, and software options.

OPTIONAL HARDWARE

The full DECwatchdog functionality is correctly performed on redundant DECsystems communicating through two independent Ethernet links.

SOFTWARE REQUIREMENTS

For Systems Using Terminals:

ULTRIX Operating System V4.3, V4.3A or V4.4

For Workstations:

ULTRIX Worksystem Software V4.3, V4.3A or V4.4

GROWTH CONSIDERATIONS

The minimum hardware/software requirements for any future version of this product may be different from the requirements for the current version.

DISTRIBUTION MEDIA

9-track 1600 BPI Magtape, TK50 Streaming Tape.

This product is also available as part of the ULTRIX Consolidated Software distribution on CD-ROM.

ORDERING INFORMATION

Software Licenses: QL-0GLAA*-**

Software Media: QA-0GLAA*-**

Software Documentation: QA-0GLAAA-GZ

Software Product Services: QT-0GLAA*-**

* Denotes variant fields. For additional information on available licenses, services, and media, refer to the appropriate price book.

SOFTWARE LICENSING

This software is furnished only under a license. For more information about Digital's licensing terms and policies, contact your local Digital office.

License Management Facility Support:

This layered product supports the ULTRIX License Management Facility.

License units for this product are allocated on a CPU-capacity basis.

For more information on the License Management Facility, refer to the ULTRIX Operating System Software Product Description (SPD 26.40.xx) or the *Guide to Software Licensing* in the ULTRIX Operating System documentation set.

SOFTWARE PRODUCT SERVICES

Digital can help the user in designing a redundant system integrating SCSI disk multiplexors, uninterruptable power supply, and communications servers that can be advantageously combined with DECwatchdog/Autopilot.

For more information on these or other services, please contact your local Digital office.

**DECwatchdog/Autopilot for ULTRIX ,
Version 2.1**

SPD 45.81.02

SOFTWARE WARRANTY

Warranty for this software product is provided by Digital with the purchase of a license for the product as defined in the Software Warranty Addendum of this SPD.

The above information is valid at time of release. Please contact your local Digital office for the most up-to-date information.

© 1994 Digital Equipment Corporation. All rights reserved.

TM The DIGITAL Logo, CI, DEC, DECstation, DECsystem, Digital, MicroVAX, TK, ULTRIX, VAX, VAXserver, and VAXstation are trademarks of Digital Equipment Corporation.