

Software Product Description

**PRODUCT NAME: POLYCENTER Common Agent Base Kit
for RISC/ULTRIX, Version 1.1**

SPD 43.38.02

INTRODUCTION

The POLYCENTER Common Agent Base Kit for ULTRIX provides management agent services that enable communications between management applications and distributed components and resources. Through the use of a consistent management interface, the distributed components and resources can provide management information and/or perform management functions without the component developer having to create a complete agent.

In other words, the POLYCENTER Common Agent Base Kit is a switching box that translates management requests between management applications and managed resources over the Simple Network Management Protocol (SNMP).

The POLYCENTER Common Agent product is complementary to the existing POLYCENTER family of products and provides the management agent services for NAS products.

The POLYCENTER Common Agent Developer's Toolkit for ULTRIX is also available for the developers of management code for system, network or application components and resources. Refer to the Software Product Description (SPD 43.39.xx) for more information about the POLYCENTER Common Agent Developer's Toolkit for ULTRIX.

The POLYCENTER Common Agent Base Kit and POLYCENTER Common Agent Developer's Toolkit are also available on DEC OSF/1® AXP.

DESCRIPTION

The POLYCENTER Common Agent Base Kit for ULTRIX is a layered application that provides a common set of libraries and services to enable the remote management of objects. The POLYCENTER Common Agent Base Kit for ULTRIX software must reside on any system that makes use of the POLYCENTER Common Agent libraries.

Components of the POLYCENTER Common Agent Base Kit:

- **SNMP Protocol Engine:** Decodes management requests received over the Simple Network Management Protocol (SNMP) and dispatches these requests to management components via the POLYCENTER Common Agent interfaces. Encodes management responses from the management components and SNMP traps (enterpriseSpecific traps, coldStart, warmStart, authenticationFailure, linkUp and linkDown), and sends this management information to management applications over SNMP.
- **Agent Library:** Consists of a set of library routines that are linked with Protocol Engines and Managed Object Modules to transparently dispatch decoded management requests from protocol engines to the appropriate Managed Object Module by using information stored in the Managed Object Location Directory.
- **Managed Object Location Directory (MOLD):** Provides dynamic registration services for Managed Object Modules to declare the object classes that they support and provides directory services so that Protocol Engines may dispatch management operations to the appropriate Managed Object Module.
- **Managed Object Support Services Routines (MOSS):** Builds and reads variable length lists of variable length attributes, arguments, or variables, according to the ASN.1 standard.
- **Management Information Repository (MIR):** An online, runtime, extensible repository containing information about managed object classes and their respective directives, notifications and attributes. The MIR is used by Protocol Engines to decode and encode management requests and is populated from management specifications or IETF Concise MIB definitions.
- **POLYCENTER Common Agent MIB Translation Utility (MTU):** Transforms an IETF MIB specification to a management specification that can be loaded into the POLYCENTER Common Agent MIR.

- Management Information Repository Compiler (MIRC): Creates or updates the MIR from one or more POLYCENTER Common Agent management specifications.
- Managed Object Modules (MOMs): Processes dealing with the management of a managed object. MOMs provided with the POLYCENTER Common Agent for RISC/ULTRIX Base Kit include:
 - Internet MOM provides managed object support for TCP/IP as specified in IETF RFC 1213, except that some read-write MIB objects are treated as read-only variables.
 - MOMs can be dynamically installed without re-installing software or rebooting the system.
- Event Dispatcher (EVD): Processes event requests from the Managed Object Modules, and forwards these requests to the SNMP Protocol Engine for SNMP trap transmission to the target hosts.

HARDWARE REQUIREMENTS

Processor and/or hardware configurations as specified in the System Support Addendum (SSA 43.38.02-x).

SOFTWARE REQUIREMENTS

For Systems Using Terminals:

ULTRIX Operating System

For Workstations:

ULTRIX Worksystem Software

Refer to the System Support Addendum (SSA 43.38.02-x) for availability and required versions of prerequisite /optional software.

SOFTWARE LICENSING

This software is furnished under the licensing provisions of Digital Equipment Corporation's Standard Terms and Conditions. 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 an Unlimited System Use 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.

ORDERING INFORMATION

Software Licenses: QL-00PA*-**
Software Media: QA-00PAA-H5
Software Documentation: QA-00PAA-GZ
Installation Guide: AA-PTE3A-TE
Software Product Services: QT-00PA*-**

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

SOFTWARE PRODUCT SERVICES

A variety of service options are available from Digital. For more information, contact your local Digital office.

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.

® OSF/1 is a registered trademark of Open Software Foundation, Inc.

™ The DIGITAL Logo, AXP, DEC, Digital, POLYCENTER, and ULTRIX are trademarks of Digital Equipment Corporation.

©1993 Digital Equipment Corporation. All Rights Reserved.

System Support Addendum

**PRODUCT NAME: POLYCENTER Common Agent Base Kit
for RISC/ULTRIX, Version 1.1**

SSA 43.38.02-A

HARDWARE REQUIREMENTS

Processors Supported:

DECstation: DECstation 2100, DECstation 3100, DECstation 3100s,

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 3100
DECsystem 5000 Model 25,
DECsystem 5000 Model 200,
DECsystem 5000 Model 240,

DECsystem 5100, DECsystem 5400,
DECsystem 5500, DECsystem 5810,
DECsystem 5820, DECsystem 5830,
DECsystem 5840, DECsystem 5900

Disk Space Requirements

Disk space required for installation:

/usr =	2678 KB
/usr/var =	32 KB

Disk space required for use (permanent)

/usr =	2678 KB
/usr/var =	32 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.

SOFTWARE REQUIREMENTS

For Systems Using Terminals:

ULTRIX Operating System V4.2, V4.2A, V4.3, V4.3A

For Workstations:

ULTRIX Worksystem Software V4.2, V4.2A, V4.3, V4.3A

OPTIONAL SOFTWARE

- POLYCENTER Framework (formerly DECmcc Director) V1.2 or V1.3 for RISC/ULTRIX
- POLYCENTER SNMP Manager for RISC/ULTRIX V1.2
- SNMP-Based Managers
- POLYCENTER Network Manager 200 (formerly DECmcc BMS) V1.2 or V1.3 for RISC/ULTRIX

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

TK50 Streaming Tape

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

ORDERING INFORMATION

Software Licenses: QL-00PA*-**

Software Media: QA-00PAA-H5

Software Documentation: QA-00PAA-GZ

Installation Guide: AA-PTE3A-TE

Software Product Services: QT-00PA*-**

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

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

™ The DIGITAL Logo, DEC, Digital, DECstation, DECsystem, POLYCENTER, and ULTRIX are trademarks of Digital Equipment Corporation.

©1993 Digital Equipment Corporation. All Rights Reserved.