Software Product Description

PRODUCT NAME: **POLYCENTER Common Agent Developer's Toolkit**   SPD 43.39.02
for RISC/ULTRIX, Version 1.1

DESCRIPTION

The POLYCENTER Common Agent Developer's Toolkit for RISC/ULTRIX is a layered product which runs on the ULTRIX operating system and is used for the development of management code for system, network, and applications resources or components.

The ULTRIX development toolkit runs on any Digital RISC hardware platform. The POLYCENTER Common Agent Developer's Toolkit enhances the productivity and efficiency of network and system software application development for managed resource developers. The major component of the POLYCENTER Common Agent Developer's Toolkit is the Managed Object Module (MOM) Generator, which produces ANSI C code templates which can be customized for application use. A MOM is the software responsible for performing management functions on one or more managed object classes.

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

The POLYCENTER Common Agent Base Kit for ULTRIX includes the base agent services for translating Simple Network Management Protocol (SNMP) messages, enrolling and activating managed resources. (Refer to SPD 43.38.xx for more information about the POLYCENTER Common Agent Base Kit for ULTRIX.) These services must reside on the host of the resources to be managed. The POLYCENTER Common Agent Developer's Toolkit includes the base services and the following tools for developing Managed Object Modules (MOMs):

- Management Information Repository (MIR): An on-line, 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 Module Generator (MOMGEN): Reads the POLYCENTER Common Agent MIR which contains the management specifications for one or more managed object classes. MOM Generator creates ANSI C code for setting and getting variables. By creating a code template and automating many of the programming tasks, the MOM Generator reduces the amount of manual programming required to make components manageable using MOMs.

Development Aids

The POLYCENTER Common Agent Developer's Toolkit also contains sample code for managed object modules (MOMs) and debug routines to assist developers.

Documentation

The POLYCENTER Common Agent Developer's Toolkit documentation package provides information and examples to assist in the design and development of managed object modules and object instrumentation. The following documents are included:

- *POLYCENTER Common Agent for ULTRIX Systems Installation Guide*

- *POLYCENTER Common Agent for ULTRIX Systems Managed Object Module Developer's Guide*

- *POLYCENTER Common Agent Managed Object Module Developer's Reference*

- *EMA General Description*

- *EMA Entity Model*

- *POLYCENTER Framework Management Specification Language and Data Types*

HARDWARE REQUIREMENTS

Processor and/or hardware configurations as specified in the System Support Addendum (SSA 43.39.02-x).

SOFTWARE REQUIREMENTS

RISC C Compiler or DEC C for RISC ULTRIX
For Systems Using Terminals:

ULTRIX Operating System

For Workstations:

ULTRIX Worksystem Software

Refer to the System Support Addendum (SSA 43.39.02-x) for availability of required versions of prerequisite /optional software.

ORDERING INFORMATION

Software Licenses: QL-00VA8-AA
Software Media: QA-00VAA-H5
Software Documentation: QA-00VAA-GZ, which includes:

- *POLYCENTER Common Agent for ULTRIX Systems Installation Guide:* AA-PTE3A-TE

- *POLYCENTER Common Agent for ULTRIX Systems Managed Object Module Developer's Guide:* AA-PTE4A-TE

- *POLYCENTER Common Agent Managed Object Module Developer's Reference:* AA-PTE5A-TE

- *EMA General Description:* AA-PD5JA-TE

- *EMA Entity Model:* AA-PV7KA-TE

- *POLYCENTER Framework Management Specification Language and Data Types:* AA-PUWUA-TE

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

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

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 a flat price basis, regardless of User/Activity or processor types.

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

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.

System Support Addendum

PRODUCT NAME: **POLYCENTER Common Agent Developer's Toolkit**   **SSA 43.39.02-A**
                     for RISC/ULTRIX, Version 1.1

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:

$$usr = 6366\ KB$$
$$usr/var = 32\ KB$$

Disk space required for use (permanent):

$$usr = 6366\ KB$$
$$usr/var = 32\ KB$$

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

RISC C Compiler or DEC C for RISC/ULTRIX

For Workstations:

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

RISC C Compiler or DEC C for RISC/ULTRIX

OPTIONAL SOFTWARE

POLYCENTER Framework (formerly DECmcc Director) V1.2 or V1.3 for ULTRIX

POLYCENTER SNMP 300 Manager V1.2

SNMP-Based Managers

POLYCENTER Network Manager 200 (formerly DECmcc BMS) V1.2 or V1.3 for 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-00VA8-AA
Software Media: QA-00VAA-H5
Software Documentation: QA-00VAA-GZ, which includes:

- *POLYCENTER Common Agent for ULTRIX Systems Installation Guide:* AA-PTE3A-TE

- *POLYCENTER Common Agent for ULTRIX Systems Managed Object Module Developer's Guide:* AA-PTE4A-TE

- *POLYCENTER Common Agent Managed Object Module Developer's Reference:* AA-PTE5A-TE

- *EMA General Description:* AA-PD5JA-TE

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

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