Software Product Description

PRODUCT NAME: **POLYCENTER Terminal Server Access Module for OpenVMS, SPD 43.99.05 Version 1.4**

DESCRIPTION

The POLYCENTER Terminal Server Access Module (AM) is a VMS layered product that provides remote management access to Digital terminal servers within the DECmcc environment. The POLYCENTER Terminal Server AM allows DECmcc users to remotely configure and monitor Digital terminal servers anywhere in the extended Local Area Network (LAN) from a system running DECmcc.

POLYCENTER Terminal Server AM is installed and runs on the OpenVMS platform, DECmcc configurations for the POLYCENTER Framework (formerly DECmcc Director), and the POLYCENTER Network Manager 200 (formerly DECmcc Basic Management System (BMS)) It is also a component for the POLYCENTER Network Manager 400 (formerly DECmcc Enterprise Management System (EMS)).

POLYCENTER Terminal Server AM V1.4 is the release of software that provides migration of the Terminal Server Manager (TSM) capabilities to the DECmcc environment.

The general characteristics of POLYCENTER Terminal Server AM include:

- Remote management capabilities for Digital Terminal Servers

- Allows for observation, monitoring, and controlling of Digital Terminal Servers on Local Area Networks

- Ability to display and modify devices, links, physical ports, operational and permanent, LAT/Telnet database characteristics

- Customize site specific alarms for the devices stored in the MIR (Management Information Respository) for faults, errors, and changed information

- Simultaneous management access by multiple users

- On-line Help facility

- Similar display formats for all manageable terminal servers

Management Information Repository (MIR)

POLYCENTER Terminal Server (TSAM) AM provides a Management Information Repository (MIR) that contains the name, Ethernet address, terminal server type, and other fields for each server to be managed. Through the TSAM MIR, the user needs to refer only to the name of the server in order to gain access.

DECnet Database Modification

POLYCENTER Terminal Server AM can automatically update the DECnet management directory. Users do not need to separately use a DECnet AM to update DECnet information. The Terminal Server AM will access the DECnet database itself to do the appropriate modifications.

Fault Management

Troubleshooting within the terminal server network is enhanced by TSAM providing the ability, centrally, to read traffic status and counters in addition to error status and counters. With the ''PASTHRU'' utility, the user can also connect directly to the server, allowing isolation of problems between POLYCENTER Terminal Server AM and the server.

Terminal Server Manager supports the following models of communications software:

- Ethernet Terminal Server for OpenVMS

- DECserver 90L (ROM-resident terminal server software)

- DECserver 90L+ (ROM-resident terminal server software)

- DECserver 90M for OpenVMS

- DECserver 90TL for OpenVMS

- DECserver 100 for OpenVMS

- DECserver 200 for OpenVMS

- DECserver 250 for OpenVMS

- DECserver 300 for OpenVMS

- DECserver 500 for OpenVMS

- DECserver 700 for OpenVMS

- DECserver 900 for OpenVMS

- MUXserver 90 Remote Terminal Server for Open-VMS

- MUXserver 100 Remote Terminal Server for Open-VMS

- MUXserver 300 Remote Terminal Server for Open-VMS

- MUXserver 320 Remote Terminal Server for Open-VMS

- MUXserver 380 Remote Terminal Server for Open-VMS

HARDWARE REQUIREMENTS

Processors Supported
OpenVMS-based Processors:

VAX:	VAXft Model 410,
	VAXft Model 610,
	VAXft Model 612
	VAX 4000 Model 300,
	VAX 4000 Model 400,
	VAX 4000 Model 500,
	VAX 4000 Model 600
	VAX 4000 Model 700
	VAX 6000 Model 400 Series,
	VAX 6000 Model 500 Series,
	VAX 6000 Model 600 Series
	VAX 7000 Model 600 Series
	VAX 8200, VAX 8250, VAX 8600,
	VAX 8650, VAX 8700, VAX 8800,
	VAX 8810, VAX 8820, VAX 8830,
	VAX 8840
	VAX 9000 Model 110,
	VAX 9000 Model 210,
	VAX 9000 Model 300 Series,
	VAX 9000 Model 400 Series
MicroVAX:	MicroVAX 3300, MicroVAX 3400,
	MicroVAX 3500, MicroVAX 3600,
	MicroVAX 3800, MicroVAX 3900
VAXstation:	VAXstation 3200, VAXstation 3500,
	VAXstation 3520, VAXstation 3540
	VAXstation 4000 Model 60,
	VAXstation 4000 Model 90,
	VAXstation 4000 Model 90A

VAXserver:	VAXserver 3400, VAXserver 3500,
	VAXserver 3600, VAXserver 3602,
	VAXserver 3800, VAXserver 3900
	VAXserver 4000 Model 300,
	VAXserver 4000 Model 500
	VAXserver 4000 Model 600
	VAXserver 4000 Model 700
	VAXserver 6000 Model 410,
	VAXserver 6000 Model 420,
	VAXserver 6000 Model 510,
	VAXserver 6000 Model 520,
	VAXserver 6000 Model 610,
	VAXserver 6000 Model 620,
	VAXserver 6000 Model 630

Processors Not Supported

MicroVAX I, MicroVAX II, MicroVAX 2000

MicroVAX 3100 Model 10/10E,
MicroVAX 3100 Model 20/20E
MicroVAX 3100 Model 30
MicroVAX 3100 Model 40
MicroVAX 3100 Model 80
MicroVAX 3100 Model 90

VAXstation I, VAXstation II, VAXstation 2000

VAXstation 3100 Model 30,
VAXstation 3100 Model 38,
VAXstation 3100 Model 40,
VAXstation 3100 Model 48,
VAXstation 3100 Model 76

VAX-11/725, VAX-11/730, VAX-11/750, VAX-11/780, VAX-11/782, VAX-11/785

VAX 4000 Model 60, VAX 4000 Model 90,
VAX 4000 Model 100, VAX 4000 Model 200,
VAX 4000 VLC

VAX 6000 Model 200 Series,
VAX 6000 Model 300 Series

VAX 8300, VAX 8350, VAX 8500, VAX 8530, VAX 8550,

VAX 10000 Model 600 Series,

VAXstation 8000

VAXft Model 110, VAXft Model 310

VAXserver 6000 Model 210,
VAXserver 6000 Model 220,
VAXserver 6000 310,
VAXserver 6000 Model 320

VAXserver 3100, VAXserver 3300, VAXserver 4000 Model 200

MINIMUM RECOMMENDED CONFIGURATION *

Processor Capacity:	6 SPECmark
Memory Required:	32 MB
Disk:	RZ25

Disk Space Requirements (Block Cluster Size = 1):

Disk space required for installation and use:	8,600 blocks on the system disk 1,400 blocks on the mcc_ common disk 10,000 blocks total

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

VT1300 and VT2000 Color Terminals are supported.

CLUSTER ENVIRONMENT

This layered product is fully supported when installed on any valid and licensed VAXcluster* configuration without restrictions. The *HARDWARE REQUIREMENTS* section details any special hardware required by this product.

* V5.x VAXcluster configurations are fully described in the VAXcluster Software Product Description (29.78.xx) and include CI, Ethernet, and Mixed Interconnect configurations.

IMPORTANT INTEROPERABILITY INFORMATION

Interoperability problems may occur when more than one product containing DECthreads is installed on a system. This occurs because some products overwrite the system version of DECthreads. If a product with a different version of DECthreads is installed after POLYCENTER Framework, problems may occur.

POLYCENTER Framework V1.4 is linked with DECthreads V1.0-422. Later versions of DECthreads have a backwards compatible API. Consequently, no problem should result from having a more recent version of DECthreads on the system.

Only SSB versions of DECthreads are supported.

SOFTWARE REQUIREMENTS

For Systems Using Terminals (no DECwindows Motif® interface):

- OpenVMS VAX Operating System V5.5-2 to V6.1

- One of the following POLYCENTER software packages:

  — POLYCENTER Framework V1.4

  — POLYCENTER Network Manager 200 V1.4

For Workstations Running DECwindows Motif:

- OpenVMS VAX Operating System V5.5-2 to V6.1

- DECwindows Motif V1.1 for OpenVMS V5.5-2
  DECwindows Motif V1.2 for OpenVMS V6.1

- One of the following POLYCENTER software packages:

  — POLYCENTER Framework V1.4

  — POLYCENTER Network Manager 200 V1.4

OpenVMS Tailoring

For OpenVMS systems, the following OpenVMS classes are required for full functionality of this layered product:

- OpenVMS Required Saveset

- Network Support

- Programming Support

- Utilities

For more information about OpenVMS classes and tailoring, refer to the OpenVMS Operating System Software Product Description (SPD 25.01.xx)

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, please contact your local Digital office.

License Management Facility

This layered product supports the VMS 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 OpenVMS Operating System Software Product Description (SPD 25.01.xx) or the *License Management Facility* manual of the OpenVMS Operating System documentation set.

For more information about Digital's licensing terms and policies, please contact your local Digital office.

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

This product is available as part of the OpenVMS VAX and ULTRIX Layered Product Consolidated Distributions on CD-ROM.

This product is also available on TK50 Streaming Tape

The software documentation for this product is available as part of the OpenVMS VAX Online Documentation Library on CD-ROM.

ORDERING INFORMATION

Software Licenses: QL-GVTA9-AA
Software Media: QA-GVTAA-H5
Software Documentation: QA-GVTAA-GZ
Software Product Services: QT-GVTA*-**

*   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.

Network Management Services are also available. These include, but are not restricted to, the following:

*   Network Management Operations Services

*   Network Management Planning and Design Services

*   Network Management Implementation Services

*   Network Management Training

For local availability, please contact your Digital Sales 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.

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