

Software Product Description

**PRODUCT NAME: POLYCENTER SNA Manager, Version 1.0
(DECmcc SNA Management)**

SPD 43.22.00

INTRODUCTION

The POLYCENTER SNA Manager enables the DECmcc Basic Management System to manage IBM® SNA network resources remotely. As a linking mechanism between Digital Equipment Corporation's ADVANTAGE-NETWORKS and IBM's SNA network environments, POLYCENTER SNA Manager allows the peer-to-peer, bi-directional passing of commands, responses, and events between Digital and IBM network management systems.

POLYCENTER SNA Manager resides in the Digital environment and makes up one half of an internetwork management facility. Coupled with Systems Center, Inc.'s (SCI) SOLVE:Connect® product, the other half of the management facility, POLYCENTER SNA Manager allows DECmcc users to manage and control SNA resources. Furthermore, POLYCENTER SNA Manager and SOLVE:Connect allow users of SCI's Advanced System Management (ASM™) or IBM's NetView® management software to manage and control resources manageable via DECmcc.

The path for commands/responses and event flows consists of a pair of LU6.2 sessions between POLYCENTER SNA Manager and SOLVE:Connect. Digital's DECnet /SNA Transport products provide the transport mechanisms for the flow of data between the ADVANTAGE-NETWORKS and SNA networking environments.

DESCRIPTION

POLYCENTER SNA Manager provides the following capabilities in the management of Digital's ADVANTAGE-NETWORKS and SNA networks:

- Exchange of commands and responses among ASM, NetView, and DECmcc. This exchange takes place using a slightly modified version of CMIP over APPC, which was agreed upon by Digital and SCI engineers. This includes user-defined alarms on SNA resource attribute values and alerts. These exchanges take place through the use of Digital's DECnet/SNA gateway products.
- Control and monitor SNA resources such as LUs, lines, cluster controllers, host nodes, etc. from DECmcc's function and presentation modules, including the Iconic Map PM, Forms and Command Line PM, Alarms FM, Historian FM, Domain FM, and custom applications.
- Directives are the means to initiate management operations. Directives are organized into three groups: examination, modification, and action. POLYCENTER SNA Manager directives are listed below:
 - ACQUIRE: Instructs SNA host node to assume ownership of an SNA resource
 - ACTIVATE: Requests the start-up of an SNA resource and its defined objects
 - DEREGISTER: Deletes SNA node information from the DECmcc MIR
 - DIRECTORY: Lists all SNA node entity instances registered to DECmcc
 - DISABLE: Turns off SNA resources and functions with no required arguments
 - ENABLE: Turns on SNA resources and functions with no required arguments
 - ERASE: Removes an entity from DECmcc configuration
 - EXECUTE: Sends text-string commands to Service Points and Service Point Applications, and pass-through commands to SOLVE:Connect
 - GET_EVENT: Causes SNA AM to return an event defined within the directive arguments
 - INACTIVATE: Requests the de-activation of an SNA resource
 - MODIFY_TRACE: Requests the modification of VTAM tracing
 - QUERY: Prompts an SPA or one of its resources for attribute information
 - REGISTER: Adds SNA node information to the DECmcc MIR

- RELEASE: Forces an SNA node to release a previously acquired resource
- SESSION_TRACE: Instructs SOLVE:Connect to perform a session trace command
- SET: Changes an attribute value in a specified entity
- SHOW: Retrieves current attribute values for the named entity
- TERMINATE_SESSION: Disconnects a session or group of sessions
- TEST: Performs entity class validity check, route tests, and other diagnostic routines.
- Execution of directives in ASM or NetView to manage DECmcc controlled resources such as DECnet/OSI nodes, DECnet Phase IV nodes, TCP/IP nodes, Ethernet, Bridges, etc. from SNA. Through POLYCENTER SNA Manager and SOLVE:Connect, an ASM or NetView user is able to issue most of the same directives that may be issued from the DECmcc Forms and Command Line (FCL) presentation module, such as SHOW, SET, GET_EVENT, PASS, BLOCK, IGNORE. As additional DECmcc management modules are installed, they also become accessible from ASM or NetView. The following commands are NOT supported by POLYCENTER SNA Manager:

CAPTURE
DEFINE
DISPLAY
EXIT
NOTIFY
PRINT
SPAWN
USE

- Initiation of SNA Service Point functions from DECmcc by issuing a text string which is a command to the Service Point Application (SPA), by means of the POLYCENTER SNA Manager EXECUTE command.
- Extensive online information similar to OpenVMS Help. Help information is provided for all entities, directives, and attributes. ASM or NetView users are able to access DECmcc's Help information from either system.

HARDWARE REQUIREMENTS

Processor and/or hardware configurations as specified in the System Support Addendum (SSA 43.22.00-x).

SOFTWARE REQUIREMENTS

Digital Software

- OpenVMS VAX Operating System
 - DECmcc Basic Management System (BMS) or DECmcc Enterprise Management System (EMS) and its prerequisites
 - OpenVMS/SNA
- Note:** Alternatively, DECnet/SNA Gateway hardware and associated software can be used.
- DECnet/SNA VMS APPC/LU6.2 Programming Interface (S2.2-10)
 - OpenVMS DECwindows (included with the OpenVMS VAX Operating System)

IBM Software

- MVS, MVS/XA, or MVS/ESA®
- ACF/VTAM
- NetView
- SOLVE:Connect for EMA
- ASM
- NV-Connect (For NetView Users ONLY. This software product connects the Digital environment with the NetView environment. If you do NOT have NetView, you do NOT have to purchase this software.)

Refer to the System Support Addendum (SSA 43.22.00-x) for availability and required versions of prerequisite /optional software.

ORDERING INFORMATION

Software License: QL-MQXA9-AA

Software Media: QA-MQXAA-H*

Software Documentation Set: QA-MQXAA-GZ

Software Services: QT-MQX**-**

* Denotes variant fields. For additional information on available services, refer to the appropriate Digital 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, please contact your local Digital office.

License Management Facility:

This layered product supports the OpenVMS License Management Facility (LMF).

License units for this product are allocated on an Unlimited Use basis.

For more information on the License Management Facility, refer to the OpenVMS VAX Operating System Software Product Description (SPD 25.01.xx).

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

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.

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System Support Addendum

**PRODUCT NAME: POLYCENTER SNA Manager, Version 1.0
(DECmcc SNA Management)**

SSA 43.22.00-A

HARDWARE REQUIREMENTS

Processors Supported

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 6000 Model 400 Series,
VAX 6000 Model 500 Series,
VAX 6000 Model 600 Series

VAX 7000 Model 600 Series

VAX 8200, VAX 8250, VAX 8300,
VAX 8350, VAX 8500, VAX 8530,
VAX 8550, 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 3100 Model 80,
MicroVAX 3100 Model 90,
MicroVAX 3300, MicroVAX 3400,
MicroVAX 3500, MicroVAX 3600,
MicroVAX 3800, MicroVAX 3900

VAXstation: VAXstation 3100 Model 76,
VAXstation 3200, VAXstation 3500,
VAXstation 3520, VAXstation 3540

VAXstation 4000 Model 60,
VAXstation 4000 Model 90

VAXserver: VAXserver 3400, VAXserver 3500,
VAXserver 3600, VAXserver 3602,
VAXserver 3800, VAXserver 3900

VAXserver 4000 Model 300,
VAXserver 4000 Model 500

VAXserver 6000 Model 510,
VAXserver 6000 Model 520,
VAXserver 6000 Model 610,
VAXserver 6000 Model 620,
VAXserver 6000 Model 630

Processors Not Supported

VAX: VAXft Model 110,
VAXft Model 310

VAX 4000 Model 100,
VAX 4000 Model 200

VAX 6000 Model 200 Series,
VAX 6000 Model 300 Series

VAX 10000 Model 600 Series

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

MicroVAX: MicroVAX I, MicroVAX II,
MicroVAX 2000,
MicroVAX 3100 Model 10/10E,
MicroVAX 3100 Model 20/20E,
MicroVAX 3100 Model 30,
MicroVAX 3100 Model 40,

VAXstation: VAXstation I, VAXstation II,
VAXstation 2000,
VAXstation 3100 Model 30,
VAXstation 3100 Model 38,
VAXstation 3100 Model 40,
VAXstation 3100 Model 48,

VAXstation 4000 VLC

	VAXstation 8000
VAXserver:	VAXserver 3100, VAXserver 3300
	VAXserver 4000 Model 200
	VAXserver 6000 Model 210, VAXserver 6000 Model 220, VAXserver 6000 Model 310, VAXserver 6000 Model 320, VAXserver 6000 Model 410, VAXserver 6000 Model 420

Minimum Recommended Configuration

Note: Specific network environments may require larger configurations.

- A VAXstation 4000 Model 60 with a minimum of 32 MB of memory (to run DECmcc using the iconic map UI). A color monitor is desirable.
- Sufficient disk space to accommodate DECmcc and the Management Information Repository (MIR). (Please refer to the Software Product Description for DECmcc Basic Management System (BMS) (SPD 32.48.xx) for more information.)
- DECnet/SNA Gateway hardware and the associated software — DECnet/SNA Gateway for Channel Transport (see SPD 29.76.xx), or DECnet/SNA Gateway for Synchronous Transport (see SPD 25.C6.xx), or DECnet/SNA Domain Gateway. Ensure that the gateway has been validated before installing POLYCENTER SNA Manager. Alternatively, OpenVMS/SNA software can be used.
- IBM® 370 or 30xx with a communication controller and a 3270 class terminal (required to run ASM).
- Sufficient disk space to accommodate ASM and its databases (please refer to the ASM documentation for more information).

Disk Space Requirements (Block Cluster Size = 1):

Disk space required for installation:	50,000 blocks (25,000 Kbytes)
Disk space required for use (permanent):	40,000 blocks (20,000 Kbytes)

OPTIONAL HARDWARE

VT1300 and VXT2000 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* sections of this product's Software Product Description and System Support Addendum detail 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.

SOFTWARE REQUIREMENTS

Digital Software

- OpenVMS VAX Operating System V5.4 - V5.5-2
- DECmcc Basic Management System (BMS) V1.2 - V1.2-A or DECmcc Enterprise Management System (EMS) V2.2 and its prerequisites
- OpenVMS/SNA V2.1

Note: Alternatively, DECnet/SNA Gateway hardware and associated software can be used — DECnet/SNA Gateway for Channel Transport (see SPD 29.76.xx), or DECnet/SNA Gateway for Synchronous Transport (see SPD 25.C6.xx), or DECnet/SNA Domain Gateway). Ensure that the gateway has been validated before installing POLYCENTER SNA Manager.

- DECnet/SNA VMS APPC/LU6.2 Programming Interface V2.2 (S2.2-10)
- OpenVMS DECwindows V2.0

IBM Software

- MVS
Digital supports any version of VMS that is supported by IBM, for example, MVS/SP, MVS/XA, or MVS/ESA®.
- ACF/VTAM V3.2 (at minimum)
- NetView® V1.3 (at minimum)
- SOLVE:Connect® for EMA V1.0
- ASM™ 2.3
- NV-Connect (For NetView Users ONLY. This software product connects the Digital environment with the NetView environment. If you do NOT have NetView, you do NOT have to purchase this software.)

ORDERING INFORMATION

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Software Documentation Set: QA-MQXAA-GZ
Software Services: QT-MQX**-**

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

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 OpenVMS Consolidated Software Distribution on CDROM.

The software documentation for this product is also available as part of the OpenVMS Online Documentation Library on CDROM.

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

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