



Software Product Description

PRODUCT NAME: POLYCENTER Framework Developer's Toolkit, Version 3.0 **SPD 60.76.00**
(Formerly DECmcc Developer's Toolkit)

INTRODUCTION

The POLYCENTER Framework Developer's Toolkit consists of software and documentation used by DIGITAL to develop POLYCENTER Network Manager 400 Access Modules (AMs) and Function Modules (FMs). Available in OpenVMS V7.1 for Alpha, the product is intended for experienced system software developers.

The POLYCENTER Framework Developer's Toolkit is traditionally part of the DECmcc Product Family. For Alpha OpenVMS, all other components have been packaged into one product: The POLYCENTER Network Manager 400 V3.0. DECmcc is a network management software product family based on the DIGITAL Enterprise Management Architecture (EMA). For an overview of this product, refer to its Software Product Description (SPD 60.77.xx).

DESCRIPTION

The POLYCENTER Framework Developer's Toolkit enables users to design and develop their own Access or Function Modules for the POLYCENTER Network Manager 400 (formerly DECmcc Enterprise Management Station, (EMS)) product, (SPD 60.77.xx).

Note: The POLYCENTER Network Manager 400 software is required for installing, enrolling, testing, and operating management modules developed using the Developer's Toolkit. The POLYCENTER Framework Developer's Toolkit software simplifies the design and implementation of application-specific modules by offering a run-time kernel executive, various service programs, and source code for sample Access and Function Modules.

DOCUMENTATION

The Developer's Toolkit documentation provides information to assist in the design and development of DECmcc. It includes the following documents:

- Enterprise Management Architecture (EMA) General Description
- EMA Entity Model
- The DECmcc System Reference Manual (SRM Volume 1 & 2)
- POLYCENTER Management Module Programming
- The POLYCENTER Framework Developer's Toolkit Reference

The POLYCENTER Module Reference Manuals, available on-line only, provide specifications of the services offered and required by each POLYCENTER/DECmcc network management module.

DEVELOPMENT UTILITIES

Development utilities and tools that are part of the Toolkit include the Design Framework, a sample Access Module, and an example Function Module:

- The Network Management Design Framework is a set of generic software components that enable users to construct a starter Management Module. Such a module can be used as a base for the development of application-specific Access or Function Modules. The Design Framework uses proven development techniques that minimize coding errors, expedite development, and reduce coding ambiguities that can arise during module design.

- The Sample Access Module is a basic example of an AM that can be run on a POLYCENTER Network Manager 400. It contains working examples of many of the DECMCC interfaces, including the mcc_call interface and calls to many of the POLYCENTER Network Manager 400 routines that enable Management Modules to reside on and interoperate within a DECMCC system. The Sample AM is implemented using the Design Framework. NOTE: The Sample AM explicitly uses DECnet Phase IV. If DECnet is unavailable, the Sample AM may be run with the transport disabled for illustration purposes only.
- The Example Function Module contains working examples of common routines used by FMs to access DECMCC services provided by its Executive and by other FMs and AMs. It is layered on top of the Sample AM.
- The following utilities are included in the POLYCENTER Network Manager 400 Software and are necessary for enrolling application-specific access modules and related files into the DECMCC system:
 - Management Specification Language (MSL) Translator Utility
 - Dictionary Administrator Program (DAP) Utility
 - Bed Driver (TBD) Utility
 - Help File Builder (HFB) Utility

These utilities allow on-site enrollment of Access and Function Modules. The POLYCENTER Framework Developer's Toolkit Reference (AA-PD5MD-TE) describes each utility in detail.

HARDWARE REQUIREMENTS

Any Alpha processor that supports OpenVMS for Alpha V7.1

Minimum Recommended Configuration

Memory Required: 128MB

Disk: 2GB

Disk Space Requirements (Block Cluster Size = 1)

Disk space required for installation and use:	44,000 blocks on the system disk
	25 blocks on the mcc_common disk
	44,025 blocks in total

The sizes are approximate; actual sizes may vary depending on the user's system environment, configuration, and software options.

Cluster Environment

This layered product is fully supported when installed on any valid and licensed VMScluster configuration without restrictions.

SOFTWARE REQUIREMENTS

The following are prerequisites:

- The POLYCENTER Network Manager 400 V3.0
- The DEC C compiler on OpenVMS for Alpha V7.1
- The Macro-64 for OpenVMS AXP

SOFTWARE LICENSING

This software is furnished under the licensing provisions of Digital Equipment Corporation's Standard Terms and Conditions. For more information about the DIGITAL licensing terms and policies, please contact your local DIGITAL office.

LICENSE MANAGEMENT FACILITY

This 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 Operating System Software Product Description (SPD 25.01.xx).

For more information about the DIGITAL licensing terms and policies please contact your local DIGITAL office.

OPTIONAL SOFTWARE

DECset for OpenVMS Alpha V7.1

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 also available as part of the OpenVMS Consolidated Software Distribution on CD-ROM. See ordering information for licensing, media and documentation references.

ORDERING INFORMATION

Software License (new): QL-5HRA9-AA

Software License (trade-in): QL-5HRA9-Z9

A trade-in requires proof of a current license for the POLYCENTER Framework Development Toolkit V1.4 (QL-YSWA9-AA).

Software Media: QA-5HRAA-H8

This part number will not generate any delivery of documentation other than release notes and SPD (this document).

Software Documentation: QA-5HRAA-GZ

This is the subset of unaltered documentation for the POLYCENTER Framework Development Toolkit V1.4 V/V and RISC/Ultrix. Please refer to the release notes for important changes.

Software Product Services: QS-T**A9-CZ

** 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.

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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