COMPAQ

Software Product Description

PRODUCT NAME: Compaq OMNI API Version 3.1 **SPD 47.88.08**

DESCRIPTION

Compaq OMNI API is a network communications product that provides an Application Programming Interface (API) for the connection and management of manufacturing shop floor devices and control systems.

The Compaq OMNI API is also bundled with the BASEstar Open product and provides for both open and proprietary device connections. For more information, refer to the Software Product Descriptions for BASEstar Open (SPD 47.87.xx) and the various Device Access Software products belonging to the BASEstar Open product.

Components

Compaq OMNI API

Compaq OMNI API contains a callable runtime library that is an implementation of the MMS Device Model. Service classes supported are in the following categories: Environment, VMD Support, Domains, Program Invocations, and Variables.

ODSCL

ODSCL is a command line interface to the OMNI Directory Service. This management level tool provides system managers the following functions:

- Register directory names
- Deregister directory names
- Modify directory names
- Query the directory

OMNIView

OMNIView is a demonstration application written using the callable interface that operates in a DECwindows Motif® environment. It provides a limited user interface to the following MMS client services from a system running the prerequisite software:

- Initiate
- Conclude
- Status
- Abort
- GetNameList
- Identify
- GetCapabilityList
- Read
- Write
- Start
- Stop
- Reset
- GetVariableAccessAttributes
- GetDomainAttributes
- GetProgramInvocationAttributes

OMNIView is only supported on OpenVMS systems.

Object Definition Facility (ODF)

ODF is used to define the objects and attribute values that are expected to be found at a remote Virtual Manufacturing Device (VMD). This facility is also used to define aspects of a local VMD if supported by the application.

ODF is used to define the mapping of MMS variable types to and from OpenVMS data type definitions.

ODF is only supported on OpenVMS systems.

Compaq OMNI API Installation Verification Procedure (IVP)

The Compaq OMNI API IVP performs a series of tests to verify proper installation.

INSTALLATION

Only experienced customers should install the Compaq OMNI API product. Compaq recommends that all other customers purchase Compaq Installation Services. These services provide for installation of the software product by an experienced Compaq software specialist.

Installation for Compaq OMNI API consists of the following:

- Verification that all components of Compaq OMNI API have been received
- Verification that the necessary versions of the prerequisite software and documentation are available
- Verification of the appropriate system parameters
- Verification that the system meets the minimum hardware and software requirements as specified this SPD
- Customer making available for a reasonable period of time, as mutually agreed upon by Compaq and the customer, all hardware communication facilities and terminals that are to be used during installation
- Installation of the Compaq OMNI API software by creating the necessary directories and by copying the software from the distribution media
- Verification that Compaq OMNI API has been installed correctly by using the IVP

Connectivity to all other nodes within the network is the responsibility of the customer.

SUPPORTED PRODUCTS

This SPD defines the following Compaq OMNI API products:

- Compaq OMNI API for Tru64 Unix Version 3.1
- Compaq OMNI API for OpenVMS Alpha Version 3.1
- Compaq OMNI API for OpenVMS VAX Version 3.1

HARDWARE REQUIREMENTS

- Alpha processors supporting either:
  - — OpenVMS Alpha Version 6.1 to 7.1, 7.2
  - — Tru64 Unix Version 3.2 or 4.0
- VAX processors supporting:
  - — OpenVMS VAX Version 6.1 to 7.1, 7.2

Disk Space Requirements (Block Cluster Size = 1):

For OpenVMS Alpha Systems

During Installation	Permanent Use
60,000 blocks	40,000 blocks

For OpenVMS VAX Systems

During Installation	Permanent Use
60,000 blocks	40,000 blocks

For Tru64 Unix Systems

Component	Permanent Use
File system root	340 Kbytes
usr	36 Mbytes
var	250 Kbytes
Total	37 Mbytes

Note: No files are installed in the root file system.

These totals 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

YEAR 2000 READY

YEAR 2000 READY This product is Year 2000 Ready. Year 2000 Ready is defined: "Year 2000 Ready" products are defined by Compaq as products capable of accurately processing, providing, and/or receiving date data from, into and between the twentieth and the twenty-first centuries, and the years 1999 and 2000, including leap year calculations, when used in accordance with the associated product documentation and provided that all hardware, firmware and software used in combination with such products properly exchange accurate date data with the products.

For OpenVMS Alpha Systems:

- OpenVMS Operating System Version 6.1 to 7.1, 7.2

For OpenVMS VAX Systems:

- OpenVMS Operating System Version 6.1 to 7.1, 7.2

For Tru64 Unix Systems:

- Tru64 Unix Operating System Version 3.2 or 4.0

OPTIONAL SOFTWARE

- OpenVMS DECwindows Motif® V1.2 (only necessary if you want to use OMNIView)
- Oracle Rdb V5.1 (VAX), or V6.0 or V6.1 (Alpha) for OpenVMS run-time option (only necessary if you want to use the OMNI Definition Facility)

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 on CD-ROM for OpenVMS Alpha, OpenVMS VAX and Tru64 Unix platforms. It is also available on TK50 media for OpenVMS VAX platforms.

ORDERING INFORMATION

For Tru64 Unix Systems:

The Compaq OMNI API product kit is included in the BASEstar Open Server for Tru64 Unix Consolidated Software Distribution:

Software Media: QA-5SRAA-H8

Software Licenses: QL-0YTA*-**
Software Documentation: QA-0YTAA-GZ
Software Product Services: QT-0YT*-**

For OpenVMS Alpha Systems:

Software Licenses: QL-2QC*-**
Software Documentation: QA-2QCAA-GZ
Software Product Services: QT-2QC*-**

For OpenVMS VAX Systems:

Software Licenses: QL-4VBA*-AA
Software Documentation: QA-2QCAA-GZ
Software Product Services: QT-4VB*-**

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

SOFTWARE LICENSING

The Compaq OMNI API license gives the user the right to use the software on a single CPU and includes the delivery of a license product Authorization Key (PAK) to enable Compaq OMNI API software. This software is furnished under the licensing provisions of Compaq Computer Corporation's Standard Terms and Conditions. For more information about Compaq licensing terms and policies, contact your local Compaq office.

License Management Facility Support:

This layered product supports the OpenVMS and Tru64 Unix License Management Facility. License units for this product are allocated on a CPU-capacity basis.

For more information about the License Management Facility, refer to the appropriate SPD or documentation for your operating system.

SOFTWARE PRODUCT SERVICES

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

SOFTWARE WARRANTY

This software is provided by Compaq with a 90 day conformance warranty in accordance with the Compaq warranty terms applicable to the license purchase.

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

© 2000 Compaq Computer Corporation.

® Motif is a registered trademark of Open Software Foundation, Inc.

™ The Compaq Logo, Alpha AXP, AXP, BASEstar, CI, Dec, DECstation, DECsystem, DECwindows, Compaq, MicroVAX, OpenVMS, VAXserver, VAXstation, and VMS are trademarks of Compaq Computer Corporation.

All other trademarks and registered trademarks are the property of their respective holders. Compaq shall not be liable for technical or editorial errors or omissions contained herein. The information in this document is subject to change without notice.