

Software Product Description

Product Name: **MAILbus 400 Message Transfer Agent
for Tru64 UNIX, Version 3.0**

SPD 46.89.08

PRODUCT DESCRIPTION

MAILbus™ 400 Message Transfer Agent (MTA) for Tru64™ UNIX® is a layered software product that resides on a Compaq Tru64 UNIX system. MAILbus 400 MTA provides electronic messaging services in an open network environment. These services are utilised by messaging applications, such as user agents and gateways. MAILbus 400 MTA provides the electronic messaging services of an X.400 MTA, designed to conform to the 1992 CCITT series of recommendations and the 1988 joint CCITT and ISO Message Handling System Standards and their subsequent revisions. A messaging network based on MAILbus 400 MTAs can function as all, or part of, a Private Management Domain or Administration Management Domain.

MAILbus 400 MTA for Tru64 UNIX uses DECnet™-Plus for Tru64 UNIX for OSI protocol support, and the Compaq X.500 Directory Service or Enterprise Directory for eBusiness for directory services. WAN Support for Tru64 UNIX is required for communication over X.25 networks.

MAILbus 400 MTA operates over the OSI protocols, as supported by DECnet – Plus. MAILbus 400 MTA can also operate over TCP/IP networks, using the RFC 1006 protocol, as supported by DECnet - Plus. The RFC 1006 protocol emulates the OSI Transport Service Protocol Class 0 over a TCP/IP network service.

MAILbus 400 MTA can communicate with:

- Another MAILbus 400 MTA
- A VAX™ Message Router™ X.400 Gateway
- Another vendor's X.400 MTA

MAILbus 400 MTA provides management services conforming to the Compaq Enterprise Management Architecture (EMA), integrated with DECnet/OSI. This provides local and remote management of MAILbus 400 MTA operation.

MAILbus 400 MTA supports an interface for messaging applications such as user agents and gateways. Access to this is provided by MAILbus 400 Application Program Interface for Tru64 UNIX.

MAILbus 400 MTA provides the following services to collect information about messages:

- Accounting services, to record particular items of information about messages.
- Archiving services, to retain complete copies of messages.
- Message history logging services, to record information about messages for tracing purposes.

MAILbus 400 MTA provides an Interpersonal Messaging Service (IPMS) body-part conversion service, based on recipient capabilities registered in the directory. The set of body-part converters provided with MAILbus 400 MTA for Tru64 UNIX provides a selected set of conversions between the following body-part types:

- IA5
- Teletex
- ISO/6937
- General text (for ISO IR repertoires covering ISOLatin1, ISO/6937 and Teletex)
- DEC™ Multinational Character Set
- Message Router Text
- WPS-PLUS™
- DECdx™

AE-Q2MS-TE

- Super DEC Kanji Text
- Shift JIS. Text
- INTAP JPBodyParts
- INTAP Extended JP1

In order to use the Super DEC Kanji, Shift JIS and INTAP body-part converters, Tru64 UNIX Japanese Support Version 3.0 or later must be installed on the same system as the MAILbus 400 MTA.

MAILbus 400 MTA supports translation between Externally Defined Body-parts and File Transfer Body-parts. In addition to providing conversion services, MAILbus 400 MTA supports transfer and receipt of any X.400 IPMS body-part types, and non-IPMS content types.

New Features and Capabilities in V3.0

- Secured deliver/Secured transfer to domain
- The ability of the system manager to secure distribution lists to ensure only those users specified can access the lists
- The system manager may now prevent the sending of messages exceeding a certain length, thereby alleviating the load on the MTA during peak times
- Generation of uniquely named FTBP attachments while upgrading from BP15 to FTBP
- Support for 256 parallel agent connections

MAILbus 400 MTA is typically used in conjunction with other messaging products supplied by Compaq, such as user agents and gateways. The following are examples of messaging products that can be used in conjunction with MAILbus 400 MTA to provide a complete messaging solution:

- Compaq Office Server: An office system solution providing a wide range of services and supporting a number of different messaging clients.
- MAILbus 400 smtp Gateway for Tru64 UNIX: This is a messaging gateway providing connectivity between smtp and X.400 environments.
- LinkWorks™ for Tru64 UNIX: This is an office solution, which can be tailored to meet the requirements of a particular customer.
- MAILbus 400 Message Router Gateway for OpenVMS™: This provides a gateway between the X.400 environment and Message Router systems.

- DEC/EDI for OpenVMS: This provides a wide range of services to enable Electronic Data Interchange (EDI) between business applications.

CONFORMANCE TO STANDARDS

MAILbus 400 MTA is designed to conform to the 1992 CCITT X.400 series of recommendations. MAILbus 400 MTA is also designed to conform to the 1988 joint CCITT and ISO Message Handling System (MHS) standards, and the following revision documents:

- Revision of the CCITT 1988 X.400 Series of Recommendations
- The MHS Implementor's Guide Version 10 of February 1993
- Revisions of individual parts of International Standard ISO/IEC 1002
- Part 10021-1: Corrigenda 1, 2, 3, 4, 5, 6, and Amendment 2
- Part 10021-2: Corrigenda 1, 2, 3, 4, 5, 6, 7, and Amendments 1,2
- Part 10021-4: Corrigenda 1, 2, 3, 4, 5, 6, 7, 8, and Amendment 1
- Part 10021-5: Corrigenda 1, 2, 3, 4, 5, 6, 7
- Part 10021-6: Corrigenda 1, 2, 3, 4, 5, 6, 7
- Part 10021-7: Corrigenda 1, 2, 3, 4, 5, and Amendment 1

MAILbus 400 MTA is designed to conform to the International Standardized Profile ISO/IEC ISP 10611 Common Messaging (AMH1n), and to the International Standardized Profile ISO/IEC ISP 12062 Interpersonal Messaging (AMH2n).

MAILbus 400 MTA is designed to conform to the following regional profiles:

- The Stable Implementation Agreements for Open Systems Interconnection Protocols, Version 7, Edition 1, December 1993, set up by the Open System Environment (OSE) Implementor's Workshop (OIW).
- United States Government OSI Profiles (US GOSIP) V1.0, V2.0.
- United Kingdom Government OSI Profile (UK GOSIP) V4.1.
- CEN/CENELEC profiles ENV 41201, 41202, 41214

SOFTWARE REQUIREMENTS

MAILbus 400 MTA runs on either of the following software configurations:

- Tru64 UNIX V4.0G
- DECnet/OSI for Tru64 UNIX V4.0C or later
Note: For specific DECnet-Plus patch information and to obtain the specific patch, the local Compaq CSC can access this web site:
<http://netrix.xpr.eds.vendors.cpqcorp.net/dna.html>
- Compaq X.500 Directory Service for Tru64 UNIX (Base Subset) V4.0-25 or later, or Tru64 UNIX Enterprise Directory V5.0, V5.1, V5.2
Note: Due to limitations in the Schema supplied with X.500 V4.0-25, not all features within V3.0 of the MTA are available with this version of the directory.
- Compaq Tru64 UNIX V5.0, V5.1, V5.1A
- DECnet - Plus for Tru64 UNIX 5.0-1 or later
Note: For specific DECnet-Plus patch information and to obtain the specific patch, the local Compaq CSC can access this web site:
<http://netrix.xpr.eds.vendors.cpqcorp.net/dna.html>
- Compaq X.500 Directory Service for Tru64 UNIX (Base Subset) V4.0-25 or later, or Tru64 UNIX Enterprise Directory V5.0, V5.1, V5.2
Note: Due to limitations in the Schema supplied with X.500 V4.0-25, not all features within V3.0 of the MTA are available with this version of the directory.

OPTIONAL SOFTWARE

- WAN Support V2.0 or later for Tru64 UNIX is required for communication over X.25 networks
- Tru64 UNIX Japanese Support Version 3.0 or later is required for use of Super DEC Kanji, Shift JIS and INTAP bodypart converters
- Compaq Office Server V4.0A or later provides an office solution with a wide range of services and supporting a number of different messaging clients
- MAILbus 400 smtp Gateway for Tru64 UNIX V2.1 or later provides connectivity between smtp and X.400 messaging environments
- LinkWorks for Tru64 UNIX provides a tailorable office solution
- MAILbus 400 Message Router Gateway for OpenVMS V1.2 or later is required for communication with Message Router systems

- DEC/EDI for OpenVMS V2.0 or later is required for Electronic Data Interchange services

HARDWARE REQUIREMENTS

Processors Supported

Any AlphaServer processor supported by Tru64 UNIX, provided the system has a minimum of 64 Mbytes of physical memory. The Tru64 UNIX Software Product Description (41.61.*) contains a list of supported processors.

Disk Space Requirements (Block Cluster Size = 1):

Disk space required for installation: 35750 KB

Disk space required for use (permanent): 35750 KB

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

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

MAILbus 400 MTA is available as part of the Compaq CDROM Software Product Library for Tru64 UNIX Layered Products, part number QA-54AA-H8.

ORDERING INFORMATION

Software Licenses: QL-0NLA*-**
Software Documentation: QA-0NLAA-GZ.2.0C
Software Product Services: QT-0NLA*-**

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

SOFTWARE LICENSING

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

License Management Facility Support

This layered product supports the Tru64 UNIX License Management Facility. License units for this product are allocated on an Unlimited System Use and Concurrent Use basis.

Each Concurrent Use license allows a specified number of messages to be processed by the MAILbus 400 MTA in a 24 hour period. If the number of messages processed by the MAILbus 400 MTA in a 24 hour period exceeds the number of messages for which the MAILbus 400 MTA is licensed, a warning message is output to inform users that they are in breach of their licensing agreement. The MAILbus 400 MTA will continue to process messages even if the licensed number of messages is exceeded.

The MAILbus 400 MTA Unlimited System Use license imposes no restrictions on the number of messages that the MAILbus 400 MTA can process in a 24 hour period.

All licenses for the MAILbus 400 MTA allow the installation and use of the MAILbus 400 MTA base component on any Tru64 UNIX system operating an application that requires access to the MAILbus 400 MTA.

For more information on the License Management Facility, refer to the Tru64 UNIX Software Product Description.

SOFTWARE PRODUCT SERVICES

MAILbus 400 MTA can participate in large distributed messaging networks, which may involve multiple vendors' systems in multiple locations. Compaq offers a number of consulting services to assist customers in the planning, installation, management, and integration of these messaging networks.

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

SOFTWARE WARRANTY

Warranty Limitations

Absolute fidelity between an original document and the resulting document after MAILbus 400 MTA has performed a body-part conversion on a message is not guaranteed. The differences between the X.400 IPMS

body-part definitions are such that conversions can result in a change in the formatting or content of a message body-part.

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

Compaq and the Compaq logo, DEC, Digital, OpenVMS, VAX and VMS registered in U.S. Patent and Trademark Office. Digital, Linkworks, MAILbus, Message Router, Tru64 UNIX, Trucluster, WPS-PLUS are trademarks of Compaq Information Technologies Group, L.P. in the U.S. and/or other countries. Motif, OSF, OSF/Motif, OSF/1 and UNIX are trademarks of The Open Group in the United States and other countries.

All other product names mentioned herein may be trademarks of their respective companies.

Confidential computer software. Valid license from Compaq required for possession, use or copying.

Consistent with FAR 12.211 and 12.212, Commercial Computer Software, Computer Software Documentation, and Technical Data for Commercial Items are licensed to the U.S. Government under vendor's standard commercial license.

Compaq shall not be liable for technical or editorial errors or omissions contained herein. The information in this document is provided "as is" without warranty of any kind and is subject to change without notice. The warranties for Compaq products are set forth in the express limited warranty statements accompanying such products. Nothing herein should be construed as constituting an additional warranty.

Possession, use, or copying of the software described in this publication is authorized only pursuant to a valid written license from Compaq or an authorized sub-licensor.

© 2002 Compaq Information Technologies Group, L.P.