System Support Addendum

PRODUCT NAME: VMS/ULTRIX Connection, Version 1.3 **SSA 25.A4.03-A**

HARDWARE REQUIREMENTS

Processors Supported

VAX: VAX 4000 Model 300 Series,
VAX 6000 Model 200 Series,
VAX 6000 Model 300 Series,
VAX 6000 Model 400 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 8842, VAX 8974, VAX 8978

VAX-11/750, VAX-11/780, VAX-11/785

MicroVAX: MicroVAX II, MicroVAX 2000, MicroVAX 3100, MicroVAX 3300, MicroVAX 3400, MicroVAX 3500, MicroVAX 3600, MicroVAX 3800, MicroVAX 3900

VAXstation: VAXstation II, VAXstation 2000, VAXstation 3100, VAXstation 3200, VAXstation 3500, VAXstation 3520, VAXstation 3540

VAXserver: VAXserver 3100, VAXserver 3300, VAXserver 3400, VAXserver 3500, VAXserver 3600, VAXserver 3602, VAXserver 3800, VAXserver 3900, VAXserver 4000 Model 300

VAXserver 6000-210, VAXserver 6000-310, VAXserver 6000-410, VAXserver 6000-420

Processors Not Supported

VAX-11/725, VAX-11/730, MicroVAX I, VAXstation I, VAXstation 8000

For performance reasons, Digital does not recommend using a MicroVAX 2000 or any VAXstation as an NFS server.

Processor Restrictions

A TK50 Tape Drive is required for standalone MicroVAX 2000 and VAXstation 2000 systems.

Other Hardware Required

One of the following controller interfaces is required:

DEUNA	Ethernet to UNIBUS controller.
DELUA	Ethernet to UNIBUS controller. The minimum revision level required is F1.
DEBNI	Ethernet to VAXBI communication controller.
DEMNA	High performance network adapter that connects XMI systems to both Ethernet and IEEE 802.3 local area networks.
DESVA	Ethernet controller interface.
DEBNA	Ethernet to VAXBI communication controller.
DEQNA	Ethernet controller to Q-bus. The minimum revision required is K3.
DELQA	Ethernet controller to Q-bus. This is the replacement for DEQNA. The minimum revision level required is C3.
DESQA	Ethernet controller to Q-bus for S-BOX configurations.
SGEC	Ethernet adapter for VAX 4000 Model 300.

The VMS/ULTRIX Connection can share an Ethernet Interface with other Digital networking products, such as DECnet.

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Block Space Requirements (Block Cluster Size = 1):

Global Pages	1800
Global Sections	27
Disk space required for installation:	5400 blocks (2700K bytes)
Disk space required for use (permanent):	4400 blocks (2200K bytes)
Block Space Requirements for RPC:	
Global Pages	160
Global Sections	3
Disk space required for installation:	2900 blocks (1450K bytes)
Block space required for installation:	2770 blocks (1385K bytes)

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

None

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

Installing the VMS/ULTRIX Connection requires at a minimum:

VMS Operating System V5.3

Client access to the VMS/ULTRIX Connection requires:

A UNIX operating system which supports the protocols specified by NFS V2.0 and the following Defense Data Network (DDN) Request for Comments (RFCs):

PROTOCOLS	RFC
IP	791
ICMP	792
TCP	793
ARP	826
FTP	959
TELNET	854
BIND	1034 & 1035
RIP	1058

UNIX systems that meet these requirements include ULTRIX at a minimum of V3.1, ULTRIX Worksystem Software at a minimum of V2.2, and the systems listed in Appendix A of this document.

Note: DECrpc V1.0 requires systems running ULTRIX Operating System V4.0.

VMS Tailoring

For VMS V5.x systems, the following VMS classes are required for full functionality of this layered product:

- VMS Required Saveset
- Programming Support
- BLISS Required Files (Optional for program development)

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

VMS DECwindows Software

- Customers who wish to run VMS DECwindows over TCP/IP need only purchase the VMS/ULTRIX Connection V1.3 product media and documentation kit. A license is not required.
- Customers who want to utilize the full VMS/ULTRIX Connection V1.3 functionality (FTP, Telnet, NFS), must also purchase a license.

Refer to the VMS Operating System (SPD 25.01.xx) for availability and required versions of prerequisite/optional software.

OPTIONAL SOFTWARE

None

GROWTH CONSIDERATIONS

The minimum hardware/software requirements for any future version of this product may be different from the minimum requirements for the current version.

DISTRIBUTION MEDIA

Tape: 9-track 1600 BPI Magtape (PE), TK50 Streaming Tape

This product is also available as part of the VMS Consolidated Software Distribution on CDROM.

ORDERING INFORMATION

Software Licenses: QL-VHRA*-**
Software Media: QA-VHRA*-**
Software Documentation: QA-VHRAA-GZ
Software Product Services: QT-VHRA*-**

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

APPENDIX A

The VMS/ULTRIX Connection has been tested with the following clients and found compatible. Digital supports connectivity with these clients, but can not support the non-Digital operating systems listed below:

Digital Processors

VAX, MicroVAX, DECsystems running ULTRIX V3.1.

VAXstations and DECstations running ULTRIX Worksystem Software V2.2.

Sun Microsystems Processors

Sun Processors running SunOS V4.1

Apollo Processors

Series DN3000 running Aegis Operating System V9.5

Hewlett-Packard Processors

HP 9000 running HP-UX Operating System V6.0

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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