

# Software Product Description

**PRODUCT NAME:** DECndu (Network Device Upgrade) Utility  
for VMS, Version 2.0

**SPD 33.47.04**

## DESCRIPTION

The DECndu (Network Device Upgrade) Utility for VMS allows users at a VMS host in an Extended LAN to update versions of software microcode resident in electrically alterable memory within supported hardware devices. The DECndu Utility for VMS is installed on a VAX/VMS host in the Extended LAN, and can be used to update this software microcode on eligible devices on the same Extended LAN. An Extended LAN is a collection of LANs (Local Area Networks) that are interconnected by a network bridge device and logically appear as one large Local Area Network.

This utility is available only for those Digital products that have elected to utilize this method of updating. Refer to the appropriate product SPD for more information.

## Features

- Installs and resides on a VMS host in the LAN
- Enables downline upgrading of device software microcode from the VMS host into electrically alterable memory within the hardware device, with a permanent update.
- At user option, verifies that the load was successful

## HARDWARE REQUIREMENTS

Processor and/or hardware configurations as specified in the System Support Addendum (SSA 33.47.04-x).

## SOFTWARE REQUIREMENTS

VMS Operating System

Refer to the System Support Addendum (SSA 33.47.04-x) for availability and required versions of prerequisite/optional software.

## ORDERING INFORMATION

DECndu Utility for VMS should not be ordered separately. It is included in the software microcode update kits for hardware devices.

For Digital FDDI devices, the following kits can be ordered:

FDDI DECconcentrator 500 Software Update Package for VMS: QB-YX2A9-A\*

FDDI DECbridge 500 Software Update Package for VMS: QB-YX3A9-A\*

FDDI DECbridge 500/600 Series Software Update Package for VMS: QB-MF8A9-A\*

FDDI DECcontroller 400 Software Update Package for VMS: QB-MF4A9-A\*

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

## SOFTWARE LICENSING

The DECndu Utility for VMS software license provides users with the right to install DECndu Utility on any VMS host processor in the Extended Local Area Network.

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, contact your local Digital office.

*License Management Facility:*

This layered product supports the VMS License Management Facility.

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

For more information on the License Management Facility, refer to the VMS Operating System Software Product Description (SPD 25.01.xx) or the *License Management Facility* manual of the VMS Operating System documentation set.

**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.

<sup>TM</sup> The DIGITAL Logo, CI, DEC, DECbridge, MicroVAX,  
TK, VAX, VAXcluster, VAXft, VAXserver, VAXstation, and  
VMS are trademarks of Digital Equipment Corporation.

# System Support Addendum

**PRODUCT NAME: DECndu (Network Device Upgrade) Utility  
for VMS, Version 2.0**

**SSA 33.47.04-A**

## HARDWARE REQUIREMENTS

### *Processors Supported*

VAX: VAXft Model 110,  
VAXft Model 310,  
VAXft Model 410,  
VAXft Model 610,  
VAXft Model 612

VAX 4000 Model 200,  
VAX 4000 Model 300,  
VAX 4000 Model 500,  
VAX 4000 Model 600

VAX 6000 Model 200 Series,  
VAX 6000 Model 300 Series,  
VAX 6000 Model 400 Series,  
VAX 6000 Model 500 Series,  
VAX 6000 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

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

MicroVAX: MicroVAX II, MicroVAX 2000,  
MicroVAX 3100 Model 10/10E,  
MicroVAX 3100 Model 20/20E,  
MicroVAX 3100 Model 30,  
MicroVAX 3100 Model 40,  
MicroVAX 3100 Model 80,  
MicroVAX 3300, MicroVAX 3400,  
MicroVAX 3500, MicroVAX 3600,  
MicroVAX 3800, MicroVAX 3900

VAXstation: VAXstation II, VAXstation 2000,  
VAXstation 3100 Model 30,  
VAXstation 3100 Model 38,  
VAXstation 3100 Model 40,  
VAXstation 3100 Model 48,  
VAXstation 3100 Model 76,  
VAXstation 3200, VAXstation 3500,  
VAXstation 3520, VAXstation 3540

VAXstation 4000 Model 60,  
VAXstation 4000 VLC

VAXserver: VAXserver 3100, VAXserver 3300,  
VAXserver 3400, VAXserver 3500,  
VAXserver 3600, VAXserver 3602,  
VAXserver 3800, VAXserver 3900

VAXserver 4000 Model 200,  
VAXserver 4000 Model 300,  
VAXserver 4000 Model 500

VAXserver 6000 Model 210,  
VAXserver 6000 Model 220,  
VAXserver 6000 Model 310,  
VAXserver 6000 Model 320,  
VAXserver 6000 Model 410,  
VAXserver 6000 Model 420,  
VAXserver 6000 Model 510,  
VAXserver 6000 Model 520,  
VAXserver 6000 Model 610,  
VAXserver 6000 Model 620,  
VAXserver 6000 Model 630

### *Processors Not Supported*

MicroVAX I, VAXstation I, VAX-11/725, VAX-11/782,  
VAXstation 8000

### *Processor Restrictions:*

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

For additional information regarding systems and adapters, refer to the appropriate systems and options catalog.

*Disk Space Requirements (Block Cluster Size = 1):*

Disk space required for installation: 1,362 blocks  
(681 Kbytes)

Disk space required for use (permanent): 906 blocks  
(453 Kbytes)

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.

**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 (SPD 29.78.xx) and include CI, Ethernet, and Mixed Interconnect configurations.

**SOFTWARE REQUIREMENTS**

VMS Operating System V5.4 - V5.5

*VMS Tailoring:*

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

- VMS Required Saveset
- Network Support
- Utilities

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

**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**

9-track 1600 BPI Magtape, TK50 Streaming Tape

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

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

**ORDERING INFORMATION**

DECndu Utility for VMS should not be ordered separately. It is included in the software microcode update kits for hardware devices.

For Digital FDDI devices, the following kits can be ordered:

FDDI DECconcentrator 500 Software Update Package for VMS: QB-YX2A9-A\*

FDDI DECbridge 500 Software Update Package for VMS: QB-YX3A9-A\*

FDDI DECbridge 500/600 Series Software Update Package for VMS: QB-MF8A9-A\*

FDDI DECcontroller 400 Software Update Package for VMS: QB-MF4A9-A\*

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

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

™ The DIGITAL Logo, CI, DEC, DECbridge, MicroVAX, TK, VAX, VAXcluster, VAXft, VAXserver, VAXstation, and VMS are trademarks of Digital Equipment Corporation.