Software Product Description

DESCRIPTION

VAXELN Window Server (EWS) is an ULTRIX installed product that loads a DECwindows kernel onto a VAXstation 4000 VLC, VT1300, or target VAXstation over Ethernet to provide X-Window terminal functionality.

EWS consists of VAXELN system images, ULTRIX programs, and ULTRIX shell scripts to set up an environment in which a host ULTRIX system provides DECwindows client services for Digital workstations and VT1300 terminals. The host ULTRIX system operates as a boot server, down-line loading the appropriate VAXELN Window Server system images to the workstations. The ULTRIX system and the workstation then appear to operate as a single ULTRIX DECwindows workstation.

The VAXELN Window Server software provides a DECwindows solution for diskless workstations and, depending on the configuration, may greatly improve windowing performance.

Communication between the boot server node and the workstation or VT1300 terminal is DECnet, TCP/IP, or both.

Features

- EWS provides the same look and feel of high-resolution workstations with the economics of centralized system management. Users can run applications on the processor best suited for the task and share data across the network.

- Programmable Server Images — Users may customize (rebuild) the EWS system images using the VAXELN Toolkit (see SPD 28.02.xx). These customized images (local clients) can then be downline loaded to the runtime environment.

- EWS system images support minimum memory VAXstation configurations.

- User Selectable Login — EWS allows the user to select a node on the network from which the session will run. The user can select a node from a menu list than can include any mix of VMS DECnet, ULTRIX DECnet, and ULTRIX TCP/IP nodes.

- Auto Resize of Memory — Certain applications may require additional memory beyond the minimum /standard. This additional memory will automatically be utilized on the VAXstation or VT1300 without rebuilding the EWS system image.

- Define Supplemental Font Paths — In addition to the DECwindows fonts built into the EWS system image, users may specify supplemental font paths for applications requiring special fonts. To access to Fonts located on an ULTRIX system, the user must use the Trivial File Transfer Protocol (TFTP). If the fonts are on a VMS system, the user must specify one or more DECnet font paths. Font files must be in DECwindows format.

- Local Pause — The Local Pause function provides an additional level of security over the Session Manager remote pause by ensuring windows do not become exposed if connection to the host is lost.

- Tablet Support — The mouse can be replaced with the graphics tablet for input with a stylus or puck.

- Local Language at Login — System managers at installation time may now specify a local language for login to match the country keyboards.

- Server Reset — The login sequence can be restarted via the mouse without rebooting the system.

- Show Free Memory — EWS implements a Show Free Memory window server function to monitor the server's free memory.

HARDWARE REQUIREMENTS

Processor and/or hardware configurations as specified in the System Support Addendum (SSA 33.68.02-x).

SOFTWARE REQUIREMENTS

For Systems Using Terminals:

- ULTRIX Operating System

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For Workstations:

• ULTRIX Worksystem Software

Refer to the System Support Addendum (SSA 33.68.02-x) for availability and required versions of prerequisite /optional software.

ORDERING INFORMATION

VAX-Based and RISC-Based Systems as Hosts:

The VAXELN Window Server Software Media:

• TK50 and Documentation: QA-YWRAB-H5

• Magtape and Documentation: QA-YWRAB-HM

Software Licenses for Use on Target VAXstations or VT1300 Terminals:

• VAXstation 4000 VLC, VAXstation 3xxx: QL-YWRAC-AA

• VAXstation 2000: QL-YWRAR-AA

• VAXstation II/GPX: QL-YWRAQ-AA

If you are currently using EWS software on one of the following workstation platforms or terminals, an update license is required for each workstation that will run V1.2 VAXELN Window Server system images.

Update Licenses:

• VAXstation 4000 VLC, VAXstation 3xxx, VT1300: QL-YWRAC-RA

• VAXstation 2000: QL-YWRAR-RA

• VAXstation II/GPX: QL-YWRAQ-RA

SOFTWARE LICENSING

The VAXELN Window Server Software Single Use license applies to each VAXstation on which the software executes, not to service host node machines in the network.

For your initial installation of this software product, you must purchase, as a minimum, for each server workstation:

• The appropriate Single-Use VAXELN Window Server RT License Option

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 Support

This product does not provide support for the (VMS /ULTRIX) License Management Facility. A Product Authorization Key (PAK) is not required for installation or use of this version of the product.

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.

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System Support Addendum

PRODUCT NAME: VAXELN Window Server for ULTRIX, Version 1.2   **SSA 33.68.02-A**

HARDWARE REQUIREMENTS

Processors Supported as Host Systems

VAX-Based Processors:

VAX:	VAX 6000 Model 220,
	VAX 6000 Model 220,
	VAX 6000 Model 230,
	VAX 6000 Model 240,
	VAX 6000 Model 300 Series,
	VAX 6000 Model 400 Series,
	VAX 6000 Model 500 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 210,
	VAX 9000 Model 410,
	VAX 9000 Model 420
	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

RISC-Based Processors:

DECstation:	DECstation 2100, DECstation 3100,
	DECstation 3100s,
	Personal DECstation 5000 Model 20/25 HX,
	Personal DECstation 5000 Model 20/25 MX,
	Personal DECstation 5000 Model 20/25 TX,
	Personal DECstation 5000 Model 20/25 PXG+,
	Personal DECstation 5000 Model 20/25 PXG Turbo+
	DECstation 5000 Model 120/125/133 CX,
	DECstation 5000 Model 120/125/133 HX,
	DECstation 5000 Model 120/125/133 MX,
	DECstation 5000 Model 120/125/133 PX,

DECstation 5000 Model 120/125/133 TX,

DECstation 5000 Model 120/125/133 PXG,

DECstation 5000 Model 120/125/133 PXG+,

DECstation 5000 Model 120/125/133 PXG Turbo,

DECstation 5000 Model 120/125/133 PXG Turbo+

DECstation 5000 Model 200 CX,

DECstation 5000 Model 200 HX,

DECstation 5000 Model 200 MX,

DECstation 5000 Model 200 PX,

DECstation 5000 Model 200 TX,

DECstation 5000 Model 200 PXG,

DECstation 5000 Model 200 PXG+,

DECstation 5000 Model 200 PXG Turbo+

DECstation 5000 Model 240 MX,

DECstation 5000 Model 240 TX,

DECstation 5000 Model 240 HX,

DECstation 5000 Model 240 PXG,

DECstation 5000 Model 240 PXG Turbo+

DECsystem:	DECsystem 3100,
	DECsystem 5000 Model 25,
	DECsystem 5000 Model 200,
	DECsystem 5000 Model 240,
	DECsystem 5100, DECsystem 5400,
	DECsystem 5500, DECsystem 5810,
	DECsystem 5820, DECsystem 5830,
	DECsystem 5840, DECsystem 5900

Processors Not Supported as Host Systems

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

VAXserver: VAXserver 100, VAXserver 2000,
                VAXserver 3100, VAXserver 3300,
                VAXserver 3400, VAXserver 3500,
                VAXserver 3600, VAXserver 3602,
                VAXserver 3800, VAXserver 3900

                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

Host System Disk Space Requirements

For VAX-Based Systems:

Disk space required for installation:

> 52,856 blocks
> 26,418 Kbytes

Disk space required for use (permanent):

> 52,856 blocks
> 26,418 Kbytes

For RISC-Based Systems:

Disk space required for installation:

> 52,856 blocks
> 26,418 Kbytes

Disk space required for use (permanent):

> 52,856 blocks
> 26,418 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.

Processors Supported as Targets

- VT1300
- Color and monochrome VAXstation 2000
- Color and monochrome VAXstation 3100 Model 30 /38/40/48
- VAXstation 3100 SPX (low and high resolution monitors)
- VAXstation II/GPX
- VAXstation 3200/3500/3800
- VAXstation 4000 VLC

The Target VAXstation requires a minimum of 6M bytes.

OPTIONAL HARDWARE

- VSXXX-AB Graphic Tablet
- LK401-xx Keyboard (supported in LK201 and LK401 mode)

SOFTWARE REQUIREMENTS

- ULTRIX Operating System V4.0, V4.1, V4.2, V4.2A
- ULTRIX Worksystem Software V4.0, V4.1, V4.2, V4.2A

OPTIONAL SOFTWARE

None

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

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- VAXstation II/GPX: QL-YWRAQ-RA

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

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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