Software Product Description

PRODUCT NAME: VAXELN KMV1A Tool Kit, Version 1.1　　　　　　**SPD 29.17.01**

DESCRIPTION

The VAXELN KMV1A Tool Kit is designed to allow the development of KMV1A control programs for KMV1As in MicroVAX VAXELN systems. This package includes software that is used to create KMV1A control program images on a VAX host system, VAXELN KMV1A Load and Dump Programs, and a KMV1A network Debug package that allows the testing and debugging of KMV1A control programs from a VAX host system.

The VAXELN KMV1A Tool Kit is designed to operate with the VAXELN Toolkit and the VMS RSX Emulation products.

Features

- Automated KMV1A control program image generation

- VAXELN KMV1A Load Program

  - Load KMV1A control programs from local or network mass storage

  - Load KMV1A Debugger into KMV1A

  - Optionally Master Clear KMV1A

- VAXELN KMV1A Dump Program

  - Application program commands stopping and dumping of KMV1A for real-time snapshot of KMV1A state

  - KMV1A dump stored on local or network mass storage

  - KMV1A dump examined with standard VMS Dump/ Analyze Program

- Remote Debug

  - Network Debugging - The host VAX must have an Ethernet connection to MicroVAX with KMV1A installed. Debug strategy follows VAXELN Network Debug model.

  - Operator interface program that executes on VAX/ VMS host system.

  - VAXELN Debug Server Program that operates a communications channel through MicroVAX in which KMV1A is installed. The Debug Server connects an operator interface on an Ethernetted VAX/VMS system through Ethernetted MicroVAX to KMV1A.

  - KMV1A Debug Service Module executes in KMV1A to provide ODT-type debugging. The Debug Service Module may be Linked into KMV1A control program or loaded into KMV1A independently.

HARDWARE REQUIREMENTS

VAX or MicroVAX configuration as specified in the System Support Addendum (SSA 29.17.01-x).

SOFTWARE REQUIREMENTS *

For VAX Development Systems:

VMS Operating System

For MicroVAX II Development Systems:

VMS Operating System

* Refer to the System Support Addendum for availability and required versions prerequisite/optional software (SSA 29.17.01-x).

ORDERING INFORMATION

Software Licenses: QL-0JPA*-**
Software Media: QA-0JPA*-**
Software Documentation: QA-0JPAA-GZ
Software Product Services: QT-0JPA*-**

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

SOFTWARE LICENSING

For Target Systems:

An appropriate VAXELN license is required.

This software is furnished under the licensing provisions of DIGITAL'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 layered product supports the VMS License Management Facility.

License units for this product are allocated on a per CPU basis and are not dependent on CPU Capacity or User/ Activity.

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

For more information about DIGITAL's licensing terms and policies, contact your local DIGITAL office.

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.

System
Support
Addendum

PRODUCT NAME: **VAXELN KMV1A Tool Kit, Version 1.1** **SSA 29.17.01-A**

HARDWARE REQUIREMENTS

Host Processors Supported:

VAX: 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-11/730, 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 8000

VAXserver: VAXserver 3100, VAXserver 3300,
VAXserver 3400, VAXserver 3500,
VAXserver 3600, VAXserver 3602,
VAXserver 3800, VAXserver 3900,
VAXserver 6210, VAXserver 6220,
VAXserver 6310, VAXserver 6320,
VAXserver 6410, VAXserver 6420

Processor Not Supported as Host: VAX-11/782

Target Processors Supported:

VAX: VAX 6000 Model 200 Series
VAX 6000 Model 300 Series
VAX 6000 Model 400 Series

VAX 8500, VAX 8530, VAX 8550, VAX 8700, VAX 8800, VAX 8810, VAX 8820

VAX-11/730, VAX-11/750

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

Processors Not Supported as Targets:

VAX: VAX 8200, VAX 8250, VAX 8300, VAX 8350, VAX 8600, VAX 8650, VAX 8830, VAX 8840, VAX 8842, VAX 8974, VAX 8978

VAX-11/780, VAX-11/782, VAX-11/785

VAXstation: VAXstation II, VAXstation 2000, VAXstation 3100, VAXstation 3200, VAXstation 3500, VAXstation 8000

VAXserver: VAXserver 3100, VAXserver 3300,
VAXserver 3400, VAXserver 3500,
VAXserver 3600, VAXserver 3602,
VAXserver 3800, VAXserver 3900,
VAXserver 6210, VAXserver 6220,
VAXserver 6310, VAXserver 6320,
VAXserver 6410, VAXserver 6420

Processor Restrictions

A TK50 tape drive is required for standalone MicroVAX 2000 and VAXstation 2000 systems.

Other Hardware Required

Block Space Requirements (Block Cluster Size = 1):

Disk space required for installation: 500 blocks
(250K bytes)

Disk space required for use (permanent): 500 blocks
(250K 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

One to eight KMV1A devices installed on a Q-bus type processor such as a MicroVAX II.

Note: The KMV1A devices are considered optional for the purpose of the installation of the VAXELN KMV1A Tool Kit. After the Tool Kit modules have been included in the system builds, execution of the system images created will require access up to 8 KMV1A devices installed on a Q-bus type processor.

It should further be noted that although 8 KMV1A devices may execute concurrently, the Tool Kit modules associated with a remote debug operation may only be included in a system build to connect one selected KMV1A on the Q-bus processor.

VAXCLUSTER 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

For VAX Development Systems:

VMS Operating System V5.0 - V5.2

For MicroVAX II Development Systems:

VMS Operating System V5.0 - V5.2

VMS Tailoring

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

• VMS Required Saveset

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

OPTIONAL SOFTWARE

VAXELN Toolkit V3.1 - V3.2

VAX-11 RSX V2.4

Note: Since the VAX-11 RSX and the VAXELN Toolkit are defined as optional software for the purpose of the installation of the VAXELN KMV1A Tool Kit, this optional software must be installed for system builds using Toolkit modules and for the subsequent execution of the created system images.

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, TK50 Streaming Tape

ORDERING INFORMATION

Software Licenses: QL-0JPA*-**
Software Media: QA-0JPA*-**
Software Documentation: QA-0JPAA-GZ
Software Product Services: QT-0JPA*-**

* 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.