Software Product Description

PRODUCT NAME: DECxpress 100 VAX System V Client Software, Version 2.1

DESCRIPTION

The DECxpress 100 VAX System V Client Software to-gether with the Multiplexed Host Interface 3.2 V1A (MHI 3.2 V1A), a software product of AT&T®, provides a connection between the Datakit® Virtual Circuit Switch (VCS) network and a VAX processor running under the VAX System V Operating System, Release 3.1c.

This connection allows users transparent access to a VAX host from a terminal in the Datakit Wide Area Net-work. It also allows communication from a local host, via the Datakit network, with other hosts running the same software or the KMS11-K software.

This product consists of the DECxpress 100 Gateway and the associated client software. Each VAX proces-sor can support up to two DECxpress 100 Gateways. Connections between hosts can be established only in the VAX System V (VSV) environment. The DECxpress 100 gateway connects to a VSV host via a dedicated IEEE 802.3 Ethernet segment.

A fiber interface port allows the DECxpress 100 Gate-way to be connected to a Datakit VCS CPM-HS module via fiber optic cables. The fiber optic connection pro-vides high speed communication to the virtual circuit switch.

Operating software for the gateway is downline loaded from the VSV host. The gateway software performs protocol conversion between the Digital and AT&T envi-ronments with guaranteed data delivery (Grade of Ser-vice 5). Statistics on the operation of the gateway and the client are available via System Manager commands, and LEDs on the gateway indicate status and level of operation.

Gateway installation is step-by-step, with checks at each stage, to insure that existing networks are not disrupted. The hardware can be easily maintained by the customer.

Features

- Terminal Connections (Datakit in-calls).

  Users with asynchronous terminals connected to Datakit VCS are able to access a VAX host that is running the VAX System V Client Software. Via this connection, the host's peripherals are accessible as well.

- Remote Access to Other Devices (Datakit out-calls).

  Application programs on a VAX System V host run-ning the System V Client Software can connect through the Datakit network to a remote host and remote devices such as printers or terminals.

- Support of up to 256 channel connections to the Datakit VCS.

  Communication can be established via one or two DECxpress 100 Gateways. If one DECxpress 100 Gateway is used, the gateway can support up to 256 channel connections. If two DECxpress 100 Gate-ways are used, each gateway must have its own Eth-ernet connection and can support up to 128 channel connections each. The dual gateway configuration is used to distribute heavy network traffic, maximize performance, and prevent a possible single point of failure.

- High Performance — Maximum aggregate through-put between two hosts is 1.5 Mbps (1.5 megabits per second).

HARDWARE REQUIREMENTS

VAX configuration as specified in the System Support Addendum (SSA 31.50.02-x).

Note: A dedicated Ethernet segment for committed throughput is required. The segment cannot include bridges or routers.

SOFTWARE REQUIREMENTS

VAX System V Operating System

Layered Products Required

Datakit VCS Multiplexed Host Interface

ORDERING INFORMATION

Note: This is a layered product developed by AT&T. It is shipped with the VAX System V Client Software, however, the license must be purchased directly from AT&T.

Datakit VCS Software
Datakit II VCS Software

Refer to the System Support Addendum for availability and required versions of prerequisite/optional software (SSA 31.50.02-x).

SOFTWARE WARRANTY

At the present time:

(i) AT&T is the exclusive distributor for the Digital DECxpress 100 products; and

(ii) any and all warranty or support service options associated with DECxpress 100 products are offered directly by AT&T.

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System Support Addendum

PRODUCT NAME: DECxpress 100 VAX System V   **SSA 31.50.02-A**
                       Client Software

HARDWARE REQUIREMENTS

Processors Supported

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

                  VAX 8800, VAX 8810, VAX 8820, VAX 8830,
                  VAX 8840

Processors Not Supported

VAX: VAXft 3000-310

                  VAX 4000 Model 200,

                  VAX 4000 Model 300

                  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 9000-210, VAX 9000 Model 400 Series

                  VAX-11/725, VAX-11/730, VAX-11/750,
                  VAX-11/780, VAX-11/782, VAX-11/785

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

VAXstation: VAXstation I, VAXstation II, VAXstation 2000,
                  VAXstation 3100 Series, VAXstation 3200,
                  VAXstation 3500, VAXstation 3520,
                  VAXstation 3540, VAXstation 8000

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 6000-220,
                  VAXserver 6000-310, VAXserver 6000-320,
                  VAXserver 6000-410, VAXserver 6000-420,
                  VAXserver 6000-510, VAXserver 6000-520

Other Hardware Required

Datakit® I or Datakit II VCS
CPM-HS Fiber I/F Card
Ethernet Controller(s) attached to the processors.
    The following Ethernet controller is supported:
      DEBNI.

Minimum System Configuration

Any disk supported by VAX System V Release 3.1c
One tape drive
Six MB memory
Console terminal

Disk Space Requirements (Block Cluster Size = 1):

Disk space required for installation: 6,500 blocks
                                          (3.25 Mbytes)

Disk space required for use (permanent):   6,300 blocks
                                          (3.15 Mbytes)

The tape has 6,500 blocks (can be removed after installation). After installation 2,200 blocks in the root file system and 4,100 in the user file system are used (512 bytes per block). The optional "Basic Networking Utilities" (BNU) require an additional 490 blocks.

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

ENVIRONMENT

This product is fully supported when installed on any valid and licensed 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.

SOFTWARE REQUIREMENTS

VAX System V Release 3.1c
   (Must be a valid System V Release 3.1c configuration for Ethernet products)

Layered Products Required

Datakit VCS Multiplexed Host Interface 3.2 V1A

Note: This is a layered product developed by AT&T®. It is shipped with the VAX System V Client Software, however, the license must be purchased directly from AT&T.

Datakit II VCS Software Release 1.1 or Release 2.1

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

Tape: 9-track 1600 BPI Magtape

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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