Software Product Description

PRODUCT NAME: VAX Distributed Name Service, Version 1.1 **SPD 28.79.01**

DESCRIPTION

The VAX Distributed Name Service (DNS) provides selected DIGITAL products with a DECnet-wide name-to-attribute mapping service.

DNS presents and maintains a consistent, network-wide set of names for network resources, called the namespace. These names are constructed without including any location information in them, thus permitting users to reference these network resources independent of their physical location.

A single DNS node can provide a DECnet-wide name service. DNS can be installed on additional nodes in a network to provide availability and performance benefits. As a general rule, it is suggested that DNS be placed on two nodes in each local area network. This should provide adequate performance and redundancy for most networks.

The VAX Distributed Name Service is used by selected DIGITAL products only, as noted in their SPDs.

Features

The following is a summary of features available with the VAX Distributed Name Service:

- DNS provides a network-wide name-to-attribute mapping service which allows selected DIGITAL applications to create, read, modify, and delete names in the namespace.
- DNS can store and manage a large number of names using a hierarchical structure.
- Overall availability and performance of the name service can be enhanced by installing DNS on multiple nodes. DNS automatically maintains consistency of the namespace across all DNS nodes.
- DNS provides access control to each name in the namespace. This set of access control rights consists of read, write, delete, test, and control.
- The DNS management control program controls DNS operation and displays statistical and error information.
- DNS provides network event logging using the standard DECnet-VAX event logging facility. The DECnet-VAX NCP utility can be used to enable and disable DNS events.

HARDWARE REQUIREMENTS

VAX, MicroVAX, or VAXstation configuration as specified in the System Support Addendum (SSA 28.79.01-x).

Communication devices as specified by DECnet-VAX (SPD 25.03.xx).

OPTIONAL HARDWARE

Additional communication devices as specified for DECnet-VAX (SPD 25.03.xx).

SOFTWARE REQUIREMENTS *

VMS Operating System or MicroVMS Operating System

DECnet-VAX

* Refer to the System Support Addendum for availability and required versions of prerequisite software (SSA 28.79.01-x).

OPTIONAL SOFTWARE

None

ORDERING INFORMATION

Software Licenses: QL-VERA*-**
Software Media: QA-VERA*-**
Software Documentation: QA-VERAA-GZ
Software Product Services: QT-VERA*-**

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

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