Software Product Description

PRODUCT NAME: NMCC/DECnet Monitor, Version 2.3 **SPD 26.91.05**

DESCRIPTION

NMCC/DECnet Monitor is a network monitoring system for Phase IV/IV+ DECnet network nodes. It runs as a layered application on VMS Systems and does not require any additional hardware or software on the remote DECnet nodes to be monitored. NMCC/DECnet Monitor collects and monitors data concerning the DECnet network. NMCC/DECnet Monitor enables the user to store, distribute, analyze, and evaluate the data into useful and comprehensible information, and to present the data either as a screen display or as a printed report.

NMCC/DECnet Monitor consists of software modules which combine to form a comprehensive monitoring system. The central component of NMCC/DECnet Monitor is the Kernel, a data acquisition process, which collects data from the network using polling and/or event logging. Polling can be used to obtain status, characteristics and traffic/error counters. Event logging can be set up to cause remote nodes to log events automatically to the Kernel, including status changes and traffic/error counters as they occur.

The network manager has full control over which nodes are polled, the polling rates, and which remote nodes log events. The Kernel processes the raw data and creates a log file of statistical data which is then available to the NMCC/DECnet Reports subsystem for the production of network reports.

The User Interface subsystem provides an easy-to-use command interface to the NMCC/DECnet Monitor. It provides on-line graphic and lexical video displays of selected error statistics, traffic statistics, and status information. The displays are designed hierarchically so that the user can select the network components, information types, and levels of detail in a consistent and easy to use manner. The graphic displays include histograms, linear scales, and a network map.

The User Interface subsystem also provides the user with the capability to build and manipulate various databases maintained by NMCC/DECnet Monitor, including a network component reference database. This contains a description of all nodes and physical links in the network. It includes such details as CPU type, type and version of operating system, name and telephone number of system manager, name and telephone number of customer service contacts, and many other useful details. Display commands are provided to retrieve this information. The user interface to these commands is consistent with the operational interface of the product.

The NMCC/DECnet Reports subsystem provides the following reports via access to the log files:

- Error Reports
  - — Network Summary
  - — System
  - — Line
- Traffic Reports
  - — Network Summary
  - — System
  - — Line
- Configuration Report
  The NMCC/DECnet Monitor History Files and Summary Files are explained in the NMCC/DECnet Monitor User Documentation. These files provide information regarding the operation and performance of the network and can be accessed by user-written application programs.

INSTALLATION

Only experienced customers should attempt the installation of this product. Digital Equipment Corporation recommends that all other customers purchase Digital's installation and consulting services. These services provide for the planning, implementation (product setup and startup), and customer orientation on the product by an experienced Digital Software Specialist. Customers should consult their local Digital offices to obtain information on installation and start-up services available in their locations.

HARDWARE REQUIREMENTS

VAX, MicroVAX, VAXstation or VAXserver configuration as specified in the System Support Addendum (SSA 26.91.05-x).

SOFTWARE REQUIREMENTS

VMS Operating System
DECnet-VAX
VAX Rdb/VMS (Run-Time Option)
DEC GKS for VMS (Run-Time Option)

* Refer to the System Support Addendum (SSA 26.91.05-x) for availability and versions of required software and for information regarding components of VMS DECwindows.

ORDERING INFORMATION

Software Licenses (Base Systems): QL-VTGA*-**
Software License: (Right-to-Copy User Interface): QL-VM8A*-**
Software Media: QA-VTGA*-**
Software Documentation: QA-VTGAA-GZ
Software Product Services: QT-VTGA*-**

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

SOFTWARE LICENSING

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 layered product supports the VMS License Management Facility.

License units for this product are allocated on a flat-price basis regardless of User/Activity or processor type.

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.

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.

Digital Network Services

To assist the user in planning, designing, implementing, managing, and evolving their network, Digital offers a comprehensive portfolio of network management services. The services address, but are not restricted to, the following:

- Network Planning and Design
- Physical Network Implementation
- Network Start-up and Implementation
- Network Performance Consulting
- Fault and Configuration Management
- Network Products Training
- Shared NETsupport
- NETsupport

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.

™ The DIGITAL Logo, DEC, DECnet, DECnet-VAX, MicroVAX, Rdb/VMS, VAX, VAXserver, VAXstation, VMS, and VT are trademarks of Digital Equipment Corporation.