Software Product Description

PRODUCT NAME: Terminal Server Manager, Version 1.4 **SPD 27.64.05**

DESCRIPTION

Terminal Server Manager VMS (TSM) software will allow suitably privileged users at a VAX host to control and observe terminal servers anywhere in the extended local area network. TSM provides centralization and increased flexibility in configuring, monitoring, and controlling Digital Equipment Corporation's family of terminal servers.

TSM V1.4 enhances the previous version, TSM V1.3, by providing management support for Digital's newest addition of Terminal Server — DECserver 300 V2.0 including Telnet functionality.

Features

Telnet Functionality

TSM V1.4 supports a new set of server commands to provide management of the Telnet characteristics of a terminal server.

Enhanced Prompts

TSM V1.4 uses prompts that reflect the current context of the user's TSM session, whether it be DIRECTORY, SERVER, PARTITION, TYPE, or TABLE.

Management Directory

TSM provides a directory that contains the name, Ethernet address, terminal server type, and other fields for each server to be managed. Through the TSM directory, the user need only refer to the name of the server in order to gain access.

Server Selection

TSM provides a USE command to allow selection of the server or servers to be managed. TSM allows the user to manage from one server all of the servers in the directory at a time. The user can choose to manage a partition of servers, all servers of a specified type, or all servers matching a wildcarded server or partition specification.

Volatile Characteristics

TSM manages the volatile characteristics for all terminal server types.

Permanent Characteristics

TSM manages permanent NVRAM characteristics for the DECserver 100, DECserver 200, DECserver 250, DECserver 300, MUXserver 100 and MUXserver 300. For the Ethernet Terminal Server and DECserver 500, TSM modifies the permanent attributes contained within the image files that are down-line loaded.

Database Manipulation

TSM can access and manipulate the database associated with each server within its jurisdiction, including their characteristics and parameters.

DECnet Database Modification

TSM automatically updates the DECnet database for servers to match the DECnet related information in the management directory. Users need no longer employ a separate DSVCONFIG or TSVNCP configuration program.

3270 Option Software

TSM provides support for the 3270 Option Software for the CXM04 line card. This line card provides the capability to connect the 3270 class of terminals to systems on Ethernet.

Keyboard Mapping

This functionality enables the terminal server manager to customize 3270 keyboard tables supplied with the 3270 Option Software by changing the way individual 3270 keyboard keys are mapped to Digital's VT220 keys.

DCL Command

TSM commands may be issued as DCL commands; the syntax follows DCL conventions.

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Command Files

Command files may be maintained outside TSM (e.g., by use of a VAX/VMS editor). This command file support allows values of characteristics to be stored on the host, effectively creating a copy of the permanent database that may be used to configure new servers. Server maintenance is also enhanced by allowing the terminal server to be easily box swapped, and parameters reset. Up to eight parameters may be passed to TSM command files. Additionally, command files may operate on a single server, on a logical group (a partition) of servers or on all servers.

Fault Management

Troubleshooting within the terminal server network is enhanced by TSM providing the ability, centrally, to read traffic status and counters in addition to error status and counters. With the ''PASTHRU'' command, the user can also connect directly to the server without using TSM, allowing isolation of problems between TSM and the server.

A simple connectivity test to a specific server or all servers listed in the directory is provided with an informational message displayed for each server not responding. TSM allows the user to check periodically for non-functioning terminal servers. This function might be performed from within a batch job, to run without user involvement, but informing the appropriate personnel if a server connectivity problem is detected.

Via the TEST DELAY command, users can measure timing delays associated with data transmission to and from servers.

The TEST CONNECTION command tests the ability to submit a print job to a server port.

HARDWARE REQUIREMENTS

VAX, MicroVAX, VAXstation, or VAXserver configuration as specified in the System Support Addendum (SSA 27.64.05-x).

SOFTWARE REQUIREMENTS

VMS Operating System

Layered Products:
- DECnet-VAX
- DECserver 100 for VMS
- Ethernet Terminal Server
- DECserver 200 for VMS
- DECserver 250 for VMS
- DECserver 300 for VMS
- DECserver 500 for VMS
- MUXserver 100 Remote Terminal Server for VMS
- MUXserver 300 Remote Terminal Server for VMS

Refer to the System Support Addendum (SSA 27.64.05-x) for availability and required versions of prerequisite/optional software.

ORDERING INFORMATION

Software Licenses: QL-VDHA*-**
Software Media: QA-VDHA*-**
Software Documentation: QA-VDHAA-GZ
Software Product Services: QT-VDHA*-**

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

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