Software Product Description

PRODUCT NAME: **DECnet/SNA VMS Remote Job Entry, Version 1.4** **SPD 26.85.04**

DESCRIPTION

DECnet/SNA VMS Remote Job Entry (RJE) is a layered software product that allows suitably configured VMS systems within a DECnet network to function as an SNA/RJE workstation or group of workstations that can transmit batch jobs to an IBM® host and receive job output. The VMS system user can prepare batch jobs in files, submit the jobs, and obtain the job output. Access to the IBM SNA host environment is via the DECnet/SNA Gateway or VMS/SNA software.

By using batch interaction with the IBM host system, RJE can be used to submit data that can be used for periodic update of databases and other applications. Easily modified translation tables resident in either the DECnet/SNA Gateway or VMS/SNA convert ASCII code to a subset of IBM multi-national EBCDIC for transmission to the IBM host, and from EBCDIC to ASCII on reception of job output.

Features

The following are some of the features of RJE:

- Each workstation includes a console interface that an operator can use to communicate with the Job Entry System in the IBM host.
- RJE can support record sizes of up to 245 characters.
- RJE supports data compression on reader streams and data decompression on printer and punch streams.
- The RJE Server can be run on the VMS system to increase throughput of the DECnet/SNA Gateway.
- ASCII to EBCDIC translation is transparent to the user but can be inhibited with /NOTRANSLATE qualifier on the ASSIGN command.

Sending Jobs to the IBM Host

Workstation users submit jobs to VMS queues. The workstation transmits the queued jobs to the IBM host over the input streams associated with a queue. This queuing technique makes it possible for many RJE users to submit jobs at the same time and to do so even if the workstation is inactive. When the operator sets the workstation on, the workstation transmits all the jobs in its queues. For each submitted job, the user specifies one or more files containing JCL (Job Control Language) statements, data, or programs.

Receiving Job Output

The IBM host returns job output to a workstation over various output streams. Each IBM output stream will have a VMS directory assigned to it. As output from jobs is received on an output stream, it is assigned a file name identical to the name given to the job as it is executed in the IBM system (normally names are specified by user supplied JCL). This mechanism allows easy identification of a particular job when several users share the same job stream. In the DECnet/SNA Gateway environment, job output may be directed to a system on the DECnet network other than the initiating system.

Managing the Workstation

VMS users with the required privilege can issue a set of restricted commands to manage the workstation. These commands allow the user to initialize and control the workstation, and to communicate interactively with the IBM batch subsystem. The following functions are available:

- Set the workstation ON and OFF
- Stop the transmission of a job
- Collect logging information in a disk file
- Display status
- Obtain on-line help information

Specifying a Server

When using a DECnet/SNA Gateway, there is an option of using the RJEServer in the DECnet/SNA Gateway (default) or running the RJEServer on a VMS node. By running the RJEServer on a VMS node, you can utilize idle VMS resources and increase throughput of your DECnet/SNA Gateway.

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INSTALLATION

For RJE to be DIGITAL supported, the customer must have a DIGITAL supported DECnet/SNA Gateway or VMS/SNA configuration. To have a DIGITAL supported DECnet/SNA Gateway configuration, purchase of the Gateway Orientation/Installation Service is REQUIRED in conjunction with the customer's first purchase of the DECnet/SNA Gateway. Refer to the DECnet/SNA Gateway SPDs (SPD 30.15.xx, SPD 29.C6.xx, SPD 29.76.xx) for further details.

To have a DIGITAL supported VMS/SNA configuration, purchase of the VMS/SNA Orientation/Installation Service is REQUIRED in conjunction with the customer's first purchase of VMS/SNA. Refer to the VMS/SNA Software Product Description (SPD 27.01.xx) for further details.

Only experienced customers should attempt installation of this product. DIGITAL recommends that all other customers purchase DIGITAL's Installation Services. These services provide for installation of the software product by an experienced DIGITAL Software Specialist.

Customer Responsibilities

Before DIGITAL installation of the software the customer must:

- Have previously installed all requisite hardware including terminals.
- Obtain, install, and demonstrate as operational any modems and other equipment and facilities necessary to interface to DIGITAL's communications equipment.
- Demonstrate equivalence of operation for modems other than Bell System 201C, 208A or 209A, AT&T 2596 or 2556, Dataphone II (2096A, DIGITAL 2500, or equivalent) type modems or, in Europe, PTT approved modems.
- Have generated, to DIGITAL's satisfaction, any necessary IBM host software that will be communicating with RJE and the DECnet/SNA Gateway or VMS/SNA.
- Make available for a reasonable period of time, as mutually agreed by DIGITAL and the customer, all hardware, communications facilities, and terminals that are to be used during installation.

Delays caused by any failure to meet these responsibilities will be charged at the prevailing rate for time and materials.

Successful use of this product requires that:

- The customer must be prepared to work with both DIGITAL and IBM systems personnel to coordinate the pre-installation activities.
- The customer should be capable of modifying IBM component generation parameters to support the RJE software and either the DECnet/SNA Gateway or VMS/SNA.

HARDWARE REQUIREMENTS

VAX, MicroVAX or VAXstation configuration as specified in the System Support Addendum (SSA 26.85.04-x).

SOFTWARE REQUIREMENTS*

In a DECnet/SNA Gateway Environment:

- VMS Operating System
- DECnet-VAX

In a VMS/SNA Environment:

- VMS Operating System
- VMS/SNA

The DECnet/SNA VMS Remote Job Entry software requires one of the following:

- DECnet/SNA Gateway-CT
- DECnet/SNA Gateway-ST
- DECnet/SNA Gateway
- VMS/SNA

* Refer to the System Support Addendum (SSA 26.85.04-x) for availability and required versions of prerequisite/optional software.

ORDERING INFORMATION

Software Licenses: QL-453A*-**
Software Media: QA-453A*-**
Software Documentation QA-453AA-GZ
Software Product Services: QT-453A*-**

* 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'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 CPU-capacity basis.

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.

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.

WARRANTY LIMITATIONS

IBM Supported Configurations

This software has been tested and is warranted against IBM System/370 (includes 30xx and 43xx series) class processor systems configured with the following IBM software. While this software may function correctly with other IBM software and equipment, and with software other than that supported by IBM, DIGITAL cannot offer its standard warranty for this software unless it has been tested with such equipment and software configurations.

The following list shows the configurations with which the software has been tested and is warranted.

SOFTWARE PRODUCT	VERSION	RELEASE
JES2 MVS/SP-JES2	1	3.3
	1	3.4
	1	3.5
	1	3.6
	2	2.0
JES3 MVS/SP-JES3	1	3.3
	1	3.4
	1	3.5
	1	3.6
	2	2.0
VSE/SP:	2	1.6
VSE/Power	2	2.0

Please refer to the DECnet/SNA Gateway Software Product Description (SPD 30.15.xx, SPD 29.76.xx, or SPD 29.C6.xx) or the VMS/SNA Software Product Description (SPD 27.01.xx) for additional information on supported IBM operating systems, access methods and communications front end software.