COMPAQ

Software Product Description

PRODUCT NAME: Compaq SNA Remote Job Entry for OpenVMS, Version 1.6 **SPD 26.85.08**

This SPD describes *Compaq SNA Remote Job Entry for OpenVMS*, which is available for the OpenVMS VAX and OpenVMS Alpha platforms. All information applies to both platforms unless otherwise indicated.

DESCRIPTION

Compaq SNA Remote Job Entry for OpenVMS (RJE) is a layered software product that allows suitably configured OpenVMS systems within a DECnet™ or TCP/IP 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 OpenVMS 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 one of the following SNA server or gateway products:

TCP/IP or DECnet Connections

- *Compaq SNA Peer Server*
- *Compaq SNA Domain Gateway*
- *Compaq SNA Access Server for Windows NT®*
- *Compaq SNA Server for OpenVMS Alpha*, a layered product that supports local access as well as TCP/IP and DECnet clients

DECnet-Only Connections

- *Compaq DECnet SNA Gateway for Synchronous Transport*
- *Compaq DECnet SNA Gateway for Channel Transport*
- *Compaq SNA Server for OpenVMS VAX*, an OpenVMS VAX layered product that supports local access as well as remote DECnet clients

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 SNA server or gateway convert ASCII code to a subset of IBM multinational EBCDIC for transmission to the IBM host, and from EBCDIC to ASCII on reception of job output.

Features

RJE offers the following features:

- 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 254 characters.
- RJE supports data compression on reader streams and data decompression on printer and punch streams.
- ASCII to EBCDIC translation is transparent to the user but can be inhibited with the /NOTRANSLATE qualifier on the ASSIGN command.

Sending Jobs to the IBM Host

Workstation users submit jobs to OpenVMS 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 an OpenVMS 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 SNA gateway environment, job output may be directed to a system on the network other than the initiating system.

Managing the Workstation

OpenVMS 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 online help information

Specifying a Server

Users of *Compaq DECnet SNA Gateway for Channel Transport* or *Compaq DECnet SNA Gateway for Synchronous Transport* have the option of running the RJE Server on the SNA gateway (the default) or on the the OpenVMS node. By running the RJE Server on the OpenVMS node, you can utilize idle OpenVMS resources, thus reducing the SNA gateway's resource usage and increasing the throughput.

None of the other SNA servers and gateways—*Compaq SNA Server for OpenVMS VAX*, *Compaq SNA Server for OpenVMS Alpha*, *Compaq SNA Peer Server*, *Compaq SNA Access Server for Windows NT*, and *Compaq SNA Domain Gateway*—have internal RJE Servers and must therefore run the RJE Server on the OpenVMS node.

INSTALLATION

Only experienced customers should attempt installation of this product. Installation services from Compaq are recommended for all other customers. These services provide for installation of the software product by an experienced software specialist.

PREREQUISITE SUPPORT

For *Compaq SNA 3270 Remote Job Entry for OpenVMS* to be supported by Compaq, the customer must have a Compaq-supported SNA server or gateway configuration.

HARDWARE REQUIREMENTS

Processors Supported

For information about supported processors, refer to the OpenVMS Operating System for Alpha and VAX Software Product Description (SPD 25.01.xx).

Processors Not Supported

The RJE software is not supported on the following processors: VAX-11/750, VAX-11/780, and VAX-11/785.

Disk Space Requirements (Block Cluster Size = 1)

For Alpha-Based Systems:

Disk space required for installation:	3328 blocks (1.67 MB)
Disk space required for use (permanent):	1905 blocks (956 KB)

For VAX-Based Systems:

Disk space required for installation:	2910 blocks (1.46 MB)
Disk space required for use (permanent):	919 blocks (460 KB)

These counts refer to the disk space required on the system disk. The sizes are approximations; actual sizes may vary depending on the user's system environment, configuration, and software options selected.

SOFTWARE REQUIREMENTS

OpenVMS Operating System for Alpha and VAX, Version 6.2, 7.1 (VAX), 7.1-2 (Alpha), 7.2, 7.2-1 (Alpha), 7.3 (SPD 25.01.xx).

Using *Compaq SNA Remote Job Entry* software requires a networking product appropriate for the version of OpenVMS, plus one of the SNA server or gateway products listed below. Networking options include:

- TCP/IP Services for OpenVMS (SPD 46.46.xx)
- DECnet for OpenVMS (Phase IV, SPD 48.48.xx)
- DECnet-Plus (Phase V, SPD 50.45.xx for Alpha, SPD 25.03.xx for VAX).

Choose a networking option appropriate for OpenVMS Versions 6.2, 7.1 (VAX), 7.1-2 (Alpha), 7.2, 7.2-1 (Alpha), or 7.3 from the following table:

OpenVMS	TCP/IP	DECnet IV	DECnet V
6.2	4.2	6.2	6.3
7.1	5.1	7.1	7.1
7.1-2	5.1	7.1-2	7.1
7.2	5.1	7.2	7.2
7.2-1	5.1	7.2-1	7.2-1
7.3	5.1	7.3	7.3

Choose *one* of the following SNA server or gateway options:

- *Compaq DECnet SNA Gateway for Channel Support (SPD 29.76.xx)*
- *Compaq DECnet SNA Gateway for Synchronous Transport (SPD 25.C6.xx)*
- *Compaq SNA Domain Gateway (SPD 38.69.xx)*
- *Compaq SNA Peer Server (SPD 51.08.xx)*
- *Compaq SNA Server for OpenVMS Alpha (SPD 70.89.xx)*
- *Compaq SNA Server for OpenVMS VAX (SPD 27.01.xx)*
- *Compaq SNA Access Server for Windows NT (SPD 64.79.xx)*

Cluster Environment

This layered product is fully supported when installed on any valid and licensed VMScluster™ configuration without restrictions. The Hardware Requirements section details any special hardware requiredby this product.

VMScluster configurations are described in the VMScluster Software Product Description (SPD 42.18.xx) and include CI™, Ethernet, and Mixed Interconnect configurations.

OpenVMS Tailoring Classes

The following OpenVMS classes are required for full functionality of this layered product:

- OpenVMS Required Saveset
- Network Support
- Utilities

For more information on OpenVMS classes and tailoring, refer to the OpenVMS Operating System for Alpha and VAX Software Product Description (SPD 25.01.xx).

GROWTH CONSIDERATIONS

The minimum hardware and software requirements for any future version of this product may be different from the minimum requirements for the current version.

DISTRIBUTION MEDIA

This product is available as part of the OpenVMS Alpha and VAX Software Product Libraries on CD-ROM.

The software documentation for this product is available as part of the OpenVMS Alpha and VAX Online Documentation Libraries on CD-ROM. Documentation in hardcopy format can be ordered separately.

SOFTWARE WARRANTY

This software is provided by Compaq with a 90-day conformance warranty in accordance with the Compaq warranty terms applicable to the license purchase.

WARRANTY LIMITATIONS

IBM Supported Configurations

This product is warranted with the IBM software configurations listed in the following table.

Table 1
IBM Software Configurations

Software Product	Version	Release
ACF/VTAM	4	3.0, 4.0
Communications Server	All	All
MVS/ESA JES3	5	2.2
OS/390 JES2	All	All
RSCS	3	2.0
z/OS	1	1.0

Refer to SNA server or gateway Software Product Descriptions for additional information on supported IBM operating systems, access methods, and communications front-end software.

Note: Compaq will support IBM software configurations, version and release numbers, as long as support for such configurations is generally available from IBM. Other configurations may have been tested since this SPD was published. Please contact your local Compaq office for up-to-date information regarding listed configurations.

ORDERING INFORMATION

For OpenVMS Alpha Systems:

Software Licenses: QL-10UA*-**

Software Documentation: QA-453A*-GZ

Media and documentation for this product are available on the OpenVMS Alpha Software Product Library on CD-ROM and the OpenVMS Online Documentation Library on CD-ROM. Documentation in hardcopy format can be ordered separately.

For OpenVMS VAX Systems:

Software Licenses: QL-453A*-**

Software Documentation: QA-453A*-GZ

Media and documentation for this product are available on the OpenVMS VAX Software Product Library on CD-ROM and the OpenVMS Online Documentation Library on CD-ROM. Documentation in hardcopy format can be ordered separately.

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

The above information is valid at time of release. Please contact your local Compaq office for the most up-to-date information.

SOFTWARE LICENSING

This software is furnished only under a license. For more information about Compaq's licensing terms and policies, contact your local Compaq office.

License Management Facility Support

This layered product supports the OpenVMS 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 OpenVMS Operating System for Alpha and VAX Software Product Description (SPD 25.01.xx) or the License Management Facility manual of the OpenVMS Operating System documentation set.

SOFTWARE PRODUCT SERVICES

Installation

Installation provides comprehensive installation and of Compaq and non-Compaq hardware, software, and networks products. These products include systems, servers, upgrades, workstations, terminals, PCs, peripherals, network equipment, operating systems, and layered products. Optional pieces of the Installation offer include site planning and preparation, orientation, and other projects which are based on the installation of computer equipment (e.g. relocation services).

License Subscription

License Subscription provides the license rights to use all new versions of those products, which are released during the contract period. Also included are the rights to use certain server-resident products whose license is included in a corresponding client license.

Telephone Software Support

Software Support provides software problem identification and resolution and operational support for system managers, technical support/helpdesk personnel who manage Compaq and popular multivendor server software in either a standalone or networked environment. This service provides access both to technical resources to assist in problem diagnosis and resolution and to Compaq's information database. This combination of support resources will address system management questions and inquiries on a wide variety of topics including information on the latest product features, known problems and available solutions, and operational advice and assistance to help the system manager, system administrator better manage its information technology environment.

Please contact your local Compaq office for additional information on specific services in your area.

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