Software Product Description

PRODUCT NAME: DEC Distributed Queuing Service Version 1.2 for OpenVMS AXP   SPD 45.86.00

DESCRIPTION

The standard OpenVMS queue system enables users to use the OpenVMS AXP PRINT command to print files on output devices that are attached to the user's local OpenVMS AXP node.

The DEC Distributed Queuing Service for OpenVMS AXP (DQS) uses the DECnet for OpenVMS AXP networking system to extend the standard OpenVMS AXP queue system to enable users to:

- Print jobs on printers connected to systems other than their own

- Show the status of jobs on those systems

- Cancel their jobs on those systems

- Change the specifications of their jobs on those systems

Any node where a print request originates is called a client. Any node with an attached printer that performs the printing is called a server. Any node with DQS AXP software can be configured to operate as only a client or as both a client and a server. The DQS software does not limit the number of client or server nodes or queues. The system manager creates the queues and establishes the correspondence between client queues and queues on server nodes. A queue on a server node can accept jobs from queues on multiple client nodes.

Features

The following is a summary of features available in the DEC Distributed Queuing Service for OpenVMS AXP software:

- Provides an easy means of printing from systems that do not have printers.

- The DQS software can be used in any DECnet for OpenVMS AXP networking environment. Both Local Area Networks and Wide Area Networks are supported.

- The DQS software allows multiple OpenVMS AXP systems to share expensive or unique printers.

- The DQS software does not limit the user's choice of printing equipment as it can work with standard Digital symbionts and most user-written or user-modified symbionts.

- Provides completely transparent support for the following qualifiers of the OpenVMS AXP PRINT command:

/BACKUP	/BEFORE	/BURST
/BY_OWNER	/CONFIRM	/CHARACTERISTICS
/COPIES	/CREATED	/DEVICE
/EXCLUDE	/EXPIRED	/FEED
/FLAG	/IDENTIFY	/JOB_COUNT
/LOWERCASE	/MODIFIED	/NAME
/NOTE	/QUEUE	/REMOTE
/RESTART	/PAGES	/PASSALL
/SETUP	/SINCE	/SPACE
/TRAILER	/USER	

All other OpenVMS AXP PRINT qualifiers are supported, with slight differences that reflect the distributed environment of DQS.

- If the DQS server is temporarily inaccessible when a print command is issued, the DQS client will attempt to transfer the job for printing after the DQS server again becomes available.

- If a printer becomes unavailable, the corresponding DQS server queue can be configured to direct print jobs to a different DQS server queue.

- The DQS software can send notification to the user after a print job has been completed.

- Additional queues can be added and queue attributes changed without reinstalling the DQS software.

- Additional DQS nodes can be added to an existing network of DQS nodes without reinstalling the software on the existing nodes.

- The DQS software can be configured to limit access to servers.

- The DQS software can be configured to keep records of use.

- DQS can be used with any OpenVMS AXP or VAX VMS system which has DQS installed.

- The DQS commands can be used on non-DQS queues.

HARDWARE REQUIREMENTS

Processor and/or hardware configurations as specified in the System Support Addendum (SSA 45.86.00-x).

SOFTWARE REQUIREMENTS

- OpenVMS AXP Operating System

- DECnet for OpenVMS AXP

Refer to the System Support Addendum (SSA 45.86.00-x) for availability and required versions of prerequisite /optional software and for information regarding components of VMS DECwindows.

ORDERING INFORMATION

Software Licenses: QL-0HPA*-**
Software Media/Documentation: QA-03XAA-HA
Software Documentation: QA-0HPA*-GZ
Software Product Services: QT-0HPA*-**

* 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 OpenVMS License Management Facility.

License units for this product are allocated on an Unlimited System Use basis.

For more information on the License Management Facility, refer to the OpenVMS AXP Operating System Software Product Description (SPD 41.87.xx) or the OpenVMS AXP Operating System documentation.

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.

™ The DIGITAL Logo, Alpha AXP, AXP, CI, DEC, DECnet, DECstation, DECsystem, DECwindows, Digital, OpenVMS, and VMS are trademarks of Digital Equipment Corporation.

System Support Addendum

PRODUCT NAME: **DEC Distributed Queuing Service Version 1.2**   **SSA 45.86.00-A**
                              for OpenVMS AXP

HARDWARE REQUIREMENTS

Processors Supported

Alpha AXP: DEC 3000 Model 400 AXP Workstation,
                    DEC 3000 Model 400 AXP Server,
                    DEC 3000 Model 500 AXP Workstation,
                    DEC 3000 Model 500 AXP Server

                    DEC 4000 Model 610 AXP System

                    DEC 7000 Model 610 AXP System

                    DEC 10000 Model 610 AXP System

Processor Restrictions:

A network interface controller supported by DECnet for
OpenVMS AXP is required.

Disk Space Requirements (Block Cluster Size = 1):

Disk space required for installation:	2,600 blocks
	(1331.2 Kbytes)
Disk space required for use (permanent):	1,200 blocks
	(614.4 bytes)

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

In addition, disk space is required on a temporary basis
to hold work- ing directories and queued files.

SOFTWARE REQUIREMENTS

• OpenVMS AXP Operating System V1.0

• DECnet for OpenVMS AXP V1.0

OpenVMS Tailoring:

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

• OpenVMS Required Saveset

• Network Support

• Secure User's Environment

For more information on OpenVMS AXP classes and
tailoring, refer to the OpenVMS AXP Operating System
Software Product Description (SPD 41.87.xx).

GROWTH CONSIDERATIONS

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

DISTRIBUTION MEDIA

Media and documentation for this product are available
on Digital CDROM Software Library for OpenVMS AXP.
Documentation in hardcopy format can be ordered sep-
arately.

ORDERING INFORMATION

Software Licenses: QL-0HPA*-**
Software Media/Documentation: QA-03XAA-HA
Software Documentation: QA-0HPA*-GZ
Software Product Services: QT-0HPA*-**

*   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 Digital office for the most up-to-date information.

™   The DIGITAL Logo, Alpha AXP, AXP, CI, DEC, DEC-net, DECstation, DECsystem, DECwindows, Digital, OpenVMS, and VMS are trademarks of Digital Equipment Corporation.