# Software Product Description

**PRODUCT NAME: VAX Distributed Queuing Service, Version 1.2** **SPD 28.80.02**

## DESCRIPTION

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

The VAX Distributed Queuing Service (DQS) uses the DECnet networking system to extend the standard VMS 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 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 VAX Distributed Queuing Service software:

- Provides an easy means of printing from systems that do not have printers.
- The DQS software can be used in any DECnet networking environment. Both Local Area Networks and Wide Area Networks are supported.
- The DQS software allows multiple VMS 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 VMS 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, and /USER

  All other VMS 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.
- The DQS commands can be used on non-DQS queues.

## HARDWARE REQUIREMENTS

VAX, MicroVAX, VAXstation, or VAXserver configuration as specified in the System Support Addendum (SSA 28.80.02-x).

## SOFTWARE REQUIREMENTS

VMS Operating System
DECnet–VAX

Refer to the System Support Addendum for availability and required versions of prerequisite/optional software (SSA 28.80.02-x).

## ORDERING INFORMATION

Software Licenses: QL-VENA*-**
Software Media: QA-VENA*-**
Software Documentation: QA-VENAA-GZ
Software Product Services: QT-VENA*-**

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