



# Software Product Description

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**PRODUCT NAME: Netscape™ Communications Server™ Version 1.12 for OpenVMS  
SPD 56.21.00**

## DESCRIPTION

Netscape™ Communications Server™ Version 1.12 for OpenVMS™ is high-performance software that enables organizations to publish rich HTML documents on the Internet's World Wide Web and on internal TCP/IP networks using the HyperText Transport Protocol (HTTP). The server's compatibility with network standards and document formats and its robust API make it easy to integrate with other applications and systems in the enterprise. Its easy-to-use graphical user interface makes installation, configuration, and management simple and fast.

The flexible user access features of Netscape Communications Server let customers create domains of access across any network, defining which people have access to particular documents and servers.

## FEATURES AND BENEFITS

### *Hypermedia Documents*

Netscape Communications Server supports industry-standard multimedia document formats for the presentation of rich text, graphics, audio, and video. Easy-to-navigate hyperlinks connect related information across the network, creating a seamless web of information.

### *Open Standards*

Netscape Communications Server complies with network standards and document formats, facilitating communications with other environments and systems. It supports HTTP V1.0, ensuring compatibility with any HTTP-compatible clients or servers, and delivers HTML documents, including full use of Multipurpose Internet Mail Extension (MIME) types and standard image formats such as GIF and JPEG. The server integrates

readily with legacy systems using the Common Gateway Interface (CGI), a standard API used across the installed base of existing web servers.

### *High-Performance Serving*

Netscape Communications Server's dynamic process management allows the creation of a configurable number of processes that reside in memory, waiting to fulfill HTTP requests. This improves system performance by eliminating the unnecessary overhead of creating and deleting processes to fulfill every HTTP request. The dynamic process management algorithm increases the number of server processes within configurable limits to efficiently handle periods of peak demand. As a result, Netscape server software serves documents faster than other HTTP servers and delivers several times greater throughput. It also dramatically reduces system load and increases system reliability. This efficiency leaves additional CPU resources available for running other applications.

### *Intuitive Server Management*

Netscape Commerce Server uses the graphical interface of Netscape Navigator™ to provide a consistent, easy-to-use operating environment. The simple user interface and forms capability of Netscape Navigator enable point-and-click server installation, configuration, and maintenance. Forms are used for the initial server configuration, as well as for managing all server functions, including user authorization, transaction logging, and process configuration.

The common user interface of Netscape Navigator gives server management a consistent look and feel across all Netscape server products. It also enables the installation and maintenance of multiple servers in a network to be performed remotely from any network location.

*Flexible User Access*

Access authorization provides complete control over access to individual files, directories, or servers, using a user name and password, domain name, host name, IP address, or named groups. This flexible mechanism for controlling user privileges enables the creation of domains of access across any network. The server supports batch importation of new users and allows arbitrary user databases to be called through the server API.

**TECHNICAL SPECIFICATIONS**

Netscape Communications Server Version 1.12 conforms to the following technical specifications:

- Provides sophisticated support for clustering, including transparent operation on mixed-architecture OpenVMS Clusters. This allows you to have a primary Web server on one cluster system (either VAX or Alpha), with automatic, transparent failover to any other system in the cluster (either VAX or Alpha).
- Is compatible with network standards:
  - Supports industry-standard HTTP V1.0 protocol.
  - Serves HTML documents; supports MIME typing through file-name extensions.
  - Serves all HTTP-compatible clients.
  - Is CGI V1.1 compliant.
- Provides enhanced user authorization, including HTTP V1.0 access authorization, IP, and DNS-based access control, local access control, user-controlled passwords, and named groups.
- Dynamic process management yields faster response times and increased throughput, efficiency, and reliability.
- Provides intuitive graphical user interface using Netscape Navigator for installation, configuration, and management.
- Extensive online documentation provides context-sensitive help.
- Supports multiple IP addresses, allowing a server to support multiple domain names.
- Windows NT version runs as an NT service.
- Log analysis tools allow summaries of log information to server management functions.
- Provides flexibility in configuration and management, including:
  - Configuration by file, directory, shell wildcard pattern, or template. Templates allow a set of configuration parameters to be created and applied to multiple directories (such as all user directories)

- Configurable logging options, including the use of syslog facilities; client accesses logged in common logfile format
- Custom error messages
- Multiple-user public information directories with variable paths
- Customizable, server-parsed HTML

**SOFTWARE PREREQUISITES**

Netscape Communications Server Version 1.12 for OpenVMS requires:

- OpenVMS Version 6.1 or later
- DECwindows™ Motif® Version 1.2-3 or later (needed only if running a browser on OpenVMS to manage the server)
- DIGITAL TCP/IP Services for OpenVMS Version 3.3 or later or any TCP/IP product for OpenVMS that supports the Berkeley socket interface

**HARDWARE REQUIREMENTS**

Netscape Communications Server has no specific hardware requirements. Any valid, supported configuration can support the server. The level of performance will vary depending on the processor, memory, and system load.

**ORDERING INFORMATION**

- Media: OpenVMS Internet Product Suite Media Kit (CD-ROM; Alpha and VAX): QA-5CNAA-H8 (International)
- License: Netscape Communications Server V1.12 (Alpha and VAX): QL-57BA9-AA

**SOFTWARE WARRANTY**

DIGITAL warrants its software products according to the terms of the DIGITAL license for each product. DIGITAL warrants that the software will substantially conform to the applicable Software Product Description or documentation accompanying the software unless provided "AS IS."

**SOFTWARE PRODUCT SERVICES**

A variety of service options for many of the components within the DIGITAL Enterprise Integration Packages are available from DIGITAL. For more information, contact your local DIGITAL account representative.

## FOR MORE INFORMATION

For more information about OpenVMS Internet Product Suite, visit the OpenVMS home page at:

<http://www.openvms.digital.com>

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