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DIGITAL TCP/IP Services for OpenVMS

Bringing the power of the Internet/Intranet to your desktop

How can you take advantage of the industry's most exciting growth areas—the Internet and corporate Intranets—while retaining all the benefits of 24 x 365 bullet-proof computing that are synonymous with OpenVMS™? By installing DIGITAL™ TCP/IP Services for OpenVMS™. This standards-based software product lets your diverse systems communicate and exchange information— throughout the enterprise or around the globe. It links your users to the Internet and Intranets, while maximizing your investments in computer systems, software, and networking products.

TCP/IP is the international protocol of choice for computer-to-computer communication. DIGITAL TCP/IP Services for OpenVMS—DIGITAL's OpenVMS implementation of TCP/IP—is powerful software that connects your OpenVMS Alpha computers and OpenVMS VAX™ systems to TCP/IP networks.

DIGITAL TCP/IP Services for OpenVMS delivers file access, file transfer, remote terminal access, mail, remote command execution, remote printing, and application development between OpenVMS and UNIX®—as well as other operating systems that support TCP/IP. And with DECnet-Plus, you can also run DECnet™ and OSI applications over TCP/IP networks.

In short, DIGITAL TCP/IP Services for OpenVMS is your connection to the Internet and corporate Intranets—and the vital information they contain.

OpenVMS

24x365

Intranet

Internet

Tunnel

PC　UNIX　Mobile　OpenVMS　　OpenVMS　HP　Sun

Factory

← **Corporate TCP / IP Backbone** →

Internet TCP / IP Backbone

Digital UNIX

OpenVMS　Windows NT　UNIX

Supplier

VTX Infobase　Database　Firewall

OpenVMS　Windows NT

Customer

Benefits

- Provides easy access to global information via industry-standard TCP/IP protocols

- Gives you access to your choice of applications, regardless of the transport for which they were written—DECnet, OSI, or TCP/IP

- Brings you the confidence of knowing that your mission-critical networking is backed by DIGITAL's worldwide service capabilities

Powerful TCP/IP services for OpenVMS

DIGITAL continues to demonstrate its commitment to TCP/IP and OpenVMS customers by delivering the most complete set of TCP/IP services and applications. For example, DIGITAL works together with Process Software Corporation to provide comprehensive product support. Process Software provides ongoing engineering support and resources for product enhancement. DIGITAL provides customer service through its Customer Service Centers and will continue to own, sell, and set the future direction for DIGITAL TCP/IP Services for OpenVMS.

DIGITAL—your TCP/IP and Internet/Intranet solutions provider

Unlike niche vendors that supply only TCP/IP software, DIGITAL offers a comprehensive portfolio of Internet/Intranet products, including everything you need to build an enterprise-wide TCP/IP network infrastructure. Choose from networking software, management tools, switches, routers, bridges, hubs, and terminal servers—all from a single vendor with extensive Internet/Intranet experience and worldwide support services.

DIGITAL is a multiprotocol network vendor

With DIGITAL, you can integrate the industry's most popular protocols—including IPX, NetBEUI, AppleShare®, TCP/IP, OSI, DECnet, and IBM™ SNA™. Multiprotocol networks let users on these diverse networks share data and resources—regardless of their platform or location.

Full interoperability testing

DIGITAL has one of the largest test beds in the world for networking products. Before a DIGITAL TCP/IP product is shipped, it is extensively tested to make sure that it will interoperate in the real world—saving you time and sparing you headaches.

TCP/IP—the common communication language for global multivendor communication

DIGITAL's extensive portfolio of services is one of the most comprehensive in the industry. Working closely with our business partners, we deliver unparalleled assistance throughout the life cycle of your networking project—from planning and design to implementation and ongoing maintenance.

As a proven provider of multivendor support, DIGITAL can service the leading client/server hardware, software, and networks you depend on in today's increasingly global computing environment. Our support reaches customers worldwide, nonstop—24 hours a day, 365 days a year.
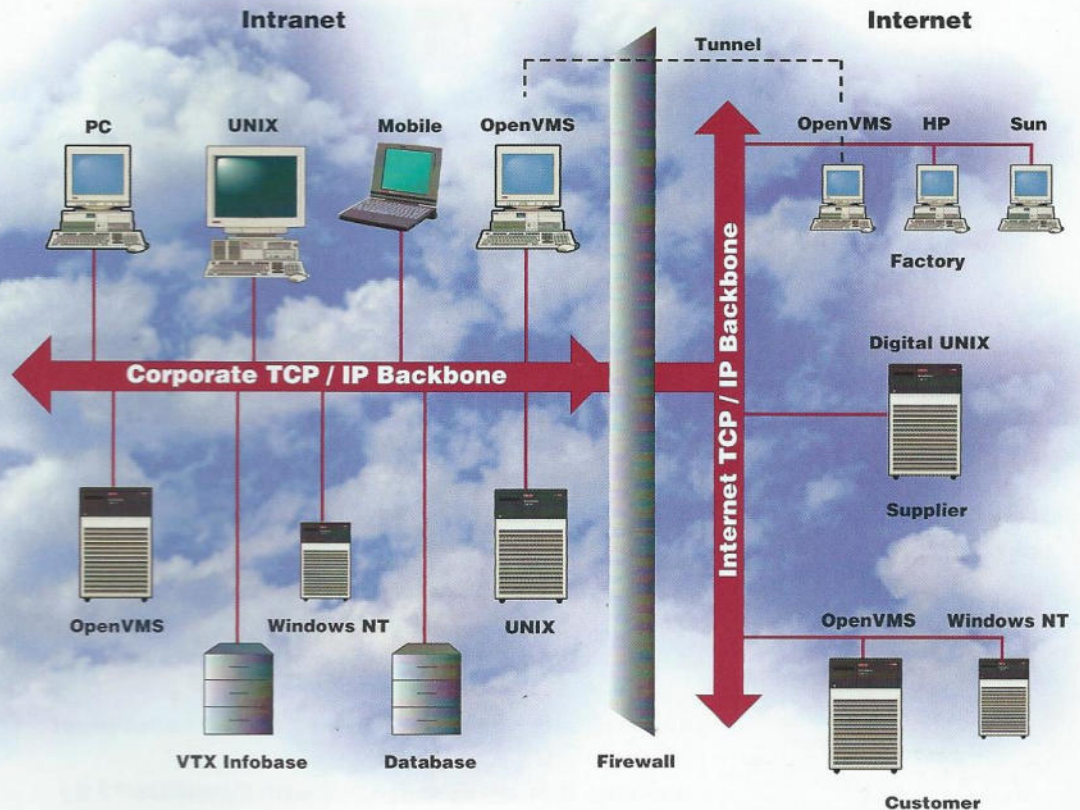
Exciting new features

POP server
Post Office Protocol (POP) is a mail repository that ensures that mail messages are accepted even when the PC is turned off.

SNMP Extensible agent (eSNMP)
Simple Network Management Protocol (SNMP) provides support for network management. Extensibility means that an agent can support multiple subagents. This implementation has an agent, two subagents, and an Applications Programming Interface.

Finger utility
This implementation of the FINGER command displays information about users on the system.

FTP command: VIEW
Users can display the contents of a file to their current output device—such as a console, terminal, or PC.

NFS® server enhancement: File naming
Now users can create files and directories in an OpenVMS file system using names that don't conform to OpenVMS file-naming rules—without the use of the container file systems.

NFS server: Support for XQP+
This feature supports access to XQP+, the extended QIO processor file system introduced in OpenVMS V6.1. These performance enhancements are especially beneficial to NFS servers that handle heavy loads.

DIGITAL TCP/IP Services for OpenVMS builds on these existing features

IP/Multicasting
Users can participate in multicast messaging—including the use of the multicast backbone of the Internet. IP/Multicasting saves bandwidth by limiting the number of messages that must be sent.

Dynamic load balancing (DNS based)
This feature ensures that the workload is evenly distributed across all hosts in a cluster, delivering optimum response times for users.

Rlogin PROXY
This provides proxy access to systems, so that a host_name:user_name combination can attach directly to a target system—without going through user_name, password interaction when the connection is established.

RCP (Remote Copy Procedure)
Remote users can copy files from any system to any other system on the network, as though the files were local files.

Outbound Telnet
This feature lets system managers create permanent TN devices.

OpenVMS integration
OpenVMS integration provides easier access to IP functions using OpenVMS DCL commands.

RPC/RPCGEN (Remote Procedure Call Generator)
RPC lets you run procedures on remote systems using the latest Sun® RPC libraries. RPCGEN lets you automatically generate RPC calls.

OpenVMS 64-bit support
This support means that users can run on 64-bit OpenVMS V7.0 and V7.1.

NFS Client and PC NFS printing
Network File System (NFS) is the standard file system used in TCP/IP networks today. The NFS Client allows OpenVMS systems running TCP/IP for OpenVMS to mount files residing on any TCP/IP host system, including UNIX, OpenVMS, and PCs.

Users can execute typical file actions such as create/delete and read/write. In addition, PCs running NFS can print files via the NFS mechanism. And PC NFS support enables file sharing with PCs via the NFS protocol.

Anonymous FTP
With Anonymous File Transfer Protocol (FTP), remote users can log in as "guests" on a remote system to access information that is intended to be publicly available.

DECnet and OSI over TCP/IP
When used in conjunction with DECnet-PLUS, any combination of DECnet, OSI, and TCP/IP network applications can be run over TCP/IP.

Sun RPC technology with Portmapper Services
DIGITAL TCP/IP Services for OpenVMS includes full Sun programming technology to build client/server applications in UNIX and OpenVMS environments.

Alpha support
DIGITAL TCP/IP Services for OpenVMS offers increased performance by taking advantage of the 64-bit Alpha OpenVMS RISC architecture.

BIND Server
A full Berkeley Internet Name Domain (BIND) server on the OpenVMS platform complements the BIND client.

Telnet functionality
Telnet capabilities include TN3270, which provides remote terminal access to IBM 3270 environments; and Telnet printing, which enables remote Telnet printing.

Remote boot via BOOTP
This remote boot function lets TCP/IP users, system managers, and applications bring up TCP/IP systems remotely.

Electronic mail
The Simple Mail Transfer Protocol (SMTP) lets OpenVMS users easily exchange standard electronic mail with other TCP/IP users—locally and remotely.

Remote TCP/IP printing
With remote TCP/IP printing via Line Printer Daemon (LPD), OpenVMS hosts can send files to printers attached to remote UNIX or OpenVMS hosts via TCP/IP.

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DIGITAL and IPv6—leading the next generation

DIGITAL is committed to maintaining our leadership position in IPv6—the next generation of the Internet Protocol (IP) that provides extended addressing (to 128 bits), enhanced security, and the encapsulation of addresses for smooth transition to IPv6 addressing. DIGITAL will offer our OpenVMS customers a robust IPv6 implementation and smooth transition when the market is prepared for IPv6. DIGITAL was the first company to demonstrate a working prototype of IPv6 running on OpenVMS, and will provide backwards compatibility with IPv4 whenever technology permits.

Low cost-of-entry via client/server licensing

DIGITAL TCP/IP Services for OpenVMS provides flexible client/server licensing—including a lower cost of entry for participating in a TCP/IP and NFS environment. The client license provides the base set of TCP/IP capabilities and NFS client to support TCP/IP end systems. The server license provides the base set of capabilities as well as an NFS server, BIND server, and remote boot server.

Call us

For more information about DIGITAL TCP/IP Services for OpenVMS or other products from DIGITAL, please contact your authorized DIGITAL Business Partner or local DIGITAL representative. Visit the OpenVMS home page at: http://www/openvms.digital.com

Ordering information

DIGITAL TCP/IP Services for OpenVMS Alpha	QL-0LXA*-AA
DIGITAL TCP/IP Client for OpenVMS Alpha	QL-0M2A*-AA
DIGITAL TCP/IP Client Upgrade for OpenVMS Alpha	QL-0PH*A-AA
DIGITAL TCP/IP Services for OpenVMS VAX	QL-VHRA9-J*
DIGITAL TCP/IP Client for OpenVMS VAX	QL-GL7A9-J*
DIGITAL TCP/IP Client Upgrade for OpenVMS VAX	QL-0PJA0-J*