



Software Product Description

PRODUCT NAME: Compaq SNA Access Server for
Windows NT®, Version 1.1

SPD 64.79.03

DESCRIPTION

The *Compaq SNA Access Server for Windows NT* (Access Server) is a layered software product that works with the Microsoft Host Integration Server. The Access Server has two components that are implemented as Microsoft Windows NT Server services: the APPC service, which supports OpenVMS SNA LU6.2 applications, and the Basic service, which supports layered OpenVMS SNA applications that are not LU6.2 based, such as 3270 terminal emulation or print emulation. Those two services provide the means for OpenVMS SNA applications to use a Microsoft Host Integration Server for connectivity to IBM® SNA-based systems.

The Access Server is a member of the Compaq SNA Gateway product family. This family consists of hardware and software products that allow users to exchange information and share resources bidirectionally between suitably configured Compaq systems in DECnet and/or TCP/IP environments. The Access Server works through the Microsoft Host Integration Server to an IBM system in a Systems Network Architecture (SNA) environment. The Access Server is not a direct functional replacement for the *Compaq DECnet SNA Gateway for Channel Transport* or *Compaq DECnet SNA Gateway for Synchronous Transport*, the *Compaq SNA Domain Gateway for Channel Transport* or *Compaq SNA Domain Gateway for Synchronous Transport*, or *Compaq SNA Server for OpenVMS* products.

The purpose of the Access Server is to coexist with or replace the current Channel Transport and Synchronous Transport Gateway. It provides a way for OpenVMS access routines and custom applications developed using the *Compaq SNA APPC/LU6.2 Programming Interface for OpenVMS* to work across the Microsoft Host Integration Server with little or no modification to the ap-

plications. The Access Server enables the Microsoft Host Integration Server to function as a Compaq SNA Gateway between TCP/IP and/or DECnet networks and an IBM SNA network. The Access Server supports LU types 0, 1, 2, 3, and LU6.2. Examples of Compaq's implementations of these LU types are:

- *Compaq SNA Data Transfer Facility for OpenVMS*
- *Compaq SNA Remote Job Entry for OpenVMS*
- *Compaq SNA SNA Printer Emulator for OpenVMS*
- *Compaq SNA 3270 Application Services*
- *Compaq SNA APPC/LU6.2 Programming Interface for OpenVMS*
- *Compaq SNA 3270 Terminal Emulator for OpenVMS*

This product can be used in networks currently using other Compaq SNA Gateway systems and can share access routines, Ethernet LANs, and resources with those systems.

The Access Server will support a total of 2000 simultaneous OpenVMS access routine connections. These connections can be any combination of access routines over DECnet and/or TCP/IP. However, because of limitations from *Compaq PATHWORKS 32*, DECnet sessions are limited to 1023 total. For example, the user can have 1023 DECnet connections and 977 TCP/IP connections, some lesser number of DECnet and greater number of TCP/IP connections, or 2000 TCP/IP connections.

Access Server Management

The Access Server is configured and managed using the Access Server Manager Utility (AMU). The AMU allows the user easy configuration and migration of access names from existing Compaq SNA gateways.

From the Windows NT Control Panel the Access Server can be started, paused, resumed, and stopped.

The Access Server maps the old-style Compaq LU names to the Microsoft LU and LU pool syntax, which allows the Microsoft Host Integration Server to provide mainframe connectivity in the same manner as a Compaq SNA gateway.

Access Server management software uses Windows NT management tools to control and monitor the Access Server product. The Access Server software uses Windows NT tools to install and configure the Access Server product.

Management of the Access Server should be viewed as part of the Windows NT SNA environment, while management of the synchronous circuits connecting the Windows NT SNA Gateway connections to the IBM network is a joint responsibility of the IBM and Windows NT system managers.

Problem Isolation and Determination Tools for the Access Server

Users can use the resident Microsoft SNA Event Logging facility to trace activity on the Access Server. The AMU allows the user to configure the Windows NT system to receive informational messages, warning messages, error messages, or no messages at all. The user can then view this information by activating the Windows NT Event Logging utility.

In addition to using Microsoft Event Logging, the Access Server provides its own comprehensive internal logging tool called SNALOG. This robust internal logging facility is designed for technical support personnel and provides traces of internal routines and parameters, data stream communications, state changes, and data flow control. The SNALOG capability can be activated without the need to stop and then restart the Access Server.

INSTALLATION

If a customer's first purchase of this software product includes the first installation of a Microsoft Host Integration Server, installation services from Compaq are recommended. These services provide for installation of the software product by an experienced software specialist.

The Access Server is user installable in either a typical or custom installation. It is strongly recommended that the following resources be available:

- A fully tested, functional environment in which all systems environments are properly configured and working. These environments should include the IBM SNA, Windows NT, the Microsoft Host Integration Server, and TCP/IP and/or DECnet networks.
- A knowledgeable person who is skilled in OpenVMS access routines, Microsoft Host Integration Server, and IBM SNA networks should do the installation or be available for consultation.

The Access Server procedure will install all files into their proper locations and add ownership and ownership protection to the files. The Windows NT Registry will be updated automatically to reflect the Access Server's working directory.

Security

The Access Server will support per-LU security definitions (Authorization Records) for LU types 0, 1, 2, 3, and 6.2.

MINIMUM HARDWARE REQUIREMENTS

- A Windows NT system with 64 MB memory, and a network adapter for token-ring, SDLC, or Ethernet

Disk Space Requirements

- 20 MB free space

SOFTWARE REQUIREMENTS

Windows NT

The following Microsoft products are required:

- Microsoft Windows 2000
or
Microsoft Windows NT Version 4.0 with Service Pack (SP) 3 or above
- Microsoft Host Integration Server
or
Microsoft SNA Server Version 4.0 with SP1 plus hot fix for bug #24 or SP2 or above

For DECnet connections, Compaq PATHWORKS 32 (SPD 56.33.xx) is required.

SOFTWARE LICENSING

Users need a separate license for each computer that the Access Server will be installed on (unless otherwise specified by Compaq).

The Access Server license includes the right to install and fully configure the product on a second backup load host processor, in standby mode, in case of primary load host failure.

This software is furnished under the licensing provisions of Compaq Computer Corporation's Standard Terms and Conditions. For more information about Compaq's licensing terms and policies, contact your local Compaq office.

OPTIONAL SOFTWARE

The following table lists the optional access routines available for use with the *Compaq SNA Access Server for Windows NT*. For information on these products, consult the respective Software Product Descriptions.

Table 1
Access Routines

Supported on OpenVMS Alpha and OpenVMS VAX Systems

Compaq SNA 3270 Terminal Emulator for OpenVMS (SPD 26.84.xx)

Compaq SNA APPC/LU6.2 Programming Interface for OpenVMS (SPD 26.88.xx)

Compaq SNA Data Transfer Facility for OpenVMS (SPD 27.85.xx)

Compaq SNA Application Programming Interface for OpenVMS (SPD 26.86.xx)

Compaq DECwindows SNA 3270 Terminal Emulator for OpenVMS (SPD 31.58.xx)

Compaq SNA 3270 Data Stream Programming Interface for OpenVMS (SPD 26.87.xx)

Compaq SNA Printer Emulator for OpenVMS (SPD 26.70.xx)

Compaq SNA Remote Job Entry for OpenVMS (SPD 26.85.xx)

GROWTH CONSIDERATONS

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

DISTRIBUTION MEDIA

CD-ROM

SOFTWARE WARRANTY

This software is provided by Compaq with a 90-day conformance to 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 2
IBM Software Configurations

Software Product	Version	Release
ACF/NCP/VS (for the 3745)	5	4.0
ACF/VTAM	4	3.0, 4.0
Communications Server	All	All
NetView	3	1.0, 2.0
OS/390	2	7.0, 8.0, 9.0, 10.0
Tivoli TIME 10 NetView	1	2.0, 3.0
VM/ESA	2	3.0, 4.0
VSE/ESA	2	All
z/OS	1	1.0

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

- Software License: QM-5MNAA-AA
- License, Media, CD-ROM: QB-5MNAA-SA
- Software Documentation: QA-5MNAA-GZ

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

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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