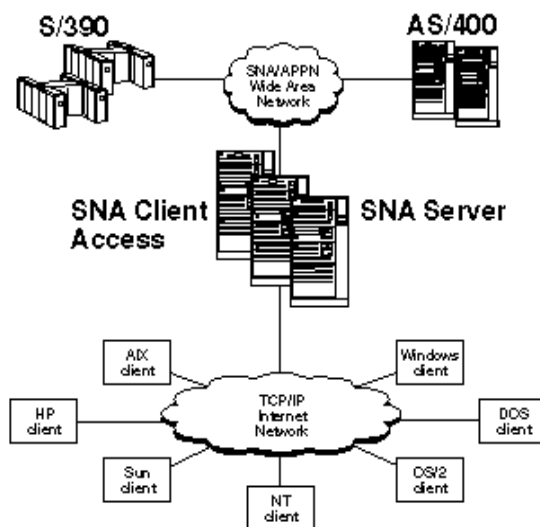




SNA Client Access for AIX Version 1.2

Highlights

- Provides TCP/IP and Internet users with easy access to IBM mainframes
- Supports a wide range of multivendor TCP/IP clients
- Functions as a TN3270E/5250 Server
- Supports new industry standard TN3270E clients
- Enhanced print support to TCP/IP users (enables locally-attached printer services)
- Supports load balancing across multiple servers using IBM Loadleveler and maintains operation during server failures (fault resilience)
- Exploits IBM AIX 4.1 and SMP hardware as well as IBM AIX 3.2.5 operating systems
- Provides end-to-end response time monitoring for TN3270E clients
- Provides increased security and usability through enhanced configuration capabilities



A well-tuned set of networks

Your networks ran perfectly, but, then, your TCP/IP users discovered data and applications they couldn't live without on your standalone SNA network.

Time to enter the world of internetworking through IBM's AIX SNA networking family. IBM also introduces SNA Client Access for AIX Version 1.2 (SNA Client Access), the family member best suited to get your TCP/IP clients talking to your SNA network.

SNA Client Access is an optional licensed program that runs on the SNA Server for AIX or AIX SNA Server/6000 platforms. The program provides access to SNA networks to users of programmable workstations or personal computers that are attached to TCP/IP networks. SNA Client Access functions as a TCP/IP Telnet server, providing SNA

network access service to client applications running anywhere in the TCP/IP internetwork.

SNA Client Access enhances the networking capabilities of the AIX operating system by extending gateway functions to industry-standard protocols and clients. You can now connect your TCP/IP clients on OS/2, DOS, AIX, Windows, Windows NT, HP, and Sun operating systems to your SNA network.

SNA Client Access supports multiple client functions across major vendor operating systems. These clients include:

- TN3270E emulation
- TN3270 emulation
- TN5250 emulation
- 3270 emulation
- 5250 emulation
- 3287 printer emulation

SNA Client Access for AIX Version 1.2 at a glance

Hardware	• RISC System/6000 or AIX platform
Network adapters supported	• SNA Server for AIX or AIX SNA Server/6000 provides communication protocol support
Memory and storage requirements	• SNA Client Access for AIX requires at least 8MB of real memory. 2MB of permanent space is required.
Software requirements	• IBM AIX SNA Server for AIX with IBM AIX 4.1, or later, or IBM AIX Server/6000 Version 2.1, or later, with IBM AIX 3.2.3, or later • For load leveling, IBM Load Leveler (optional) • For response time measurements, IBM Performance Monitor (optional)
Publications	• SNA Client Access for AIX: User's Guide, SC31-8085

- Advanced program-to-program communication (APPC) application program interfaces (APIs)
- 3770 remote job entry (RJE)

Because SNA Client Access processes all the lower-level SNA protocols in conjunction with SNA Server, the client programs focus on sharing information with the IBM mainframe systems applications, such as JES2, TSO, POWER, IMS, CICS, the NetView program, and AS/400 (5250 support).

SNA connectivity

SNA Client Access has access to all of the communication protocol support that is part of SNA Server and supports SNA logical units (LU) types 0, 1, 2, 3, and APPC.

SNA Client Access supports many connectivity capabilities of the SNA Server whether you want to connect networks over WAN-using SDLC or X.25, LAN-using token-ring, Ethernet or FDDI, or direct-attached channel.

Load balancing

SNA Client Access for AIX offers a robust solution for controlling and balancing the workload across gateways. Clients are routed to a machine, based on mainframe LU availability, link speed, client/mainframe connection load, overall system load, and machine processor speed. In addition to optimizing the load conditions of the servers, load balancing maintains the operation during server failures by automatically rerouting clients to an available server.

More security enhancement

Now with the SNA Client Access new enhancement, a customer can dedicate

a resource (a single LU or a pool of LUs) to a TN3270 client without requiring that the clients be TN3270E capable. In addition, each resource can be secured by restricting access to specific users or groups of users.

Telnet 3270E print support

SNA Client Access also provides Telnet 3270E server functions. The standard extensions allow users to print from mainframe applications to printers attached to their workstations or to printers in their TCP/IP network. TN3270E support is compliant with Industry Standard Request for Comment (RFC) 1646 and the recently published RFC 1647. SNA Client Access can also pass responses on printing which allows end-to-end printer confirmation.

Performance measurements

SNA Client Access, in combination with the licensed NetView Performance Monitor, provides end-to-end response time measurements all the way to the TCP/IP client. The definite response mode facility is enabled in the SNA environment with NetView and is used to start and stop the network timer, based on responses or activities from the TN3270E client. System administrators can utilize the response time data for analyzing system response times, identifying problem areas, and improving overall system performance.

System configuration easier

SNA Client Access offers new SMIT-based dialogs for efficient configuration. Depending on the terminal type, a user can use either character-based menus or choose between a character-based or a Motif graphical interface. Through these dialogs, the user can now create, modify, and delete configurations easily.

Supported clients:

- IBM AIX 3270 Host Connection Program
- IBM AIX TCP/IP
- IBM AIX x3270
- IBM Connection Program/400 for UNIX Environment
- IBM Personal Communications/3270
- IBM TCP/IP for DOS
- IBM TCP/IP for OS/2
- Brixton Brx3270 Open Client 1
- Brixton Brx5250 Open Client 1
- Brixton BrxTN3270 Client 1
- Brixton BrxTN5250 Client 1
- Brixton Brx3770 Client 1
- Brixton BrxLU6.21
- Plus any industry-standard Telnet 3270 and Telnet 5250 emulator

1CNT/Brixton, Inc. states that their products run with IBM SNA Client Access for AIX.



© International Business Machines Corporation 1995

IBM Corporation
Department A9ZA
P.O. Box 12195
Research Triangle Park, NC 27709
USA

Printed in the United States of America
1-96
All Rights Reserved

IBM, Netview, OS/2, AIX, AS/400, CICS, IMS are trademarks of International Business Machines Corporation.

Windows, Windows NT, Microsoft are trademarks of Microsoft Corporation.

UNIX is a registered trademark in the United States and other countries licensed exclusively through X/Open Company Limited.

HP is a trademark of Hewlett-Packard Company; Sun is a trademark of Sun Microsystems, Inc.; Gateway is a trademark of Gateway Systems, Inc.

Other company, product, and service names may be trademarks or service marks of others.

References in this publication to IBM products or services do not imply that IBM intends to make them available outside the United States.

IBM may change or withdraw the services referenced in the publication at any time, without advance notice.



Printed on recycled paper.



G325-3488-00