

Contact:

Richard Clark
Network Translation, Inc.
Phone: (415) 494-NETS (6387)
Fax: (415) 424-9110
info@translation.com

-- FOR IMMEDIATE RELEASE --

NETWORK TRANSLATION, INC. INTRODUCES PRIVATE INTERNET EXCHANGE

PIX Network Address Translator Enhances Private Network
Security, Relieves Internet Address Depletion

PALO ALTO, CA, November 30, 1994 -- Network Translation, Inc. announced at Fall Internet World 94 the release of the first product in an entirely new class of networking device. The Private Internet Exchange (PIX), a network address translator, will provide corporate LAN administrators and connectivity providers with a plug-and-play solution to Internet address allocation headaches.

Exponential growth in the number of networks connected to the global Internet has caused a rapid depletion of available addresses for future connections. Current estimates range from three to ten years before all of the remaining Internet addresses are in use. Recently the Internet Assigned Numbers Authority (IANA) set aside several blocks of the address space for use by private networks. These reserved addresses may be freely used internally by any network without going through the usual registration process, but each computer requiring access to services such as gopher, World-Wide Web and FTP must still present a unique address to the rest of the Internet. PIX provides this address translation service, dynamically mapping between reusable private network addresses and globally unique, registered Internet addresses.

The Private Internet Exchange allows for tremendous flexibility

in network design. Subnetting and address allocation within the private network are no longer subject to the whims of an address assignment authority external to the organization. The private network may be easily expanded (including full Internet access for new hosts) without waiting for new registered addresses. Connecting an existing private network to the Internet becomes painless: PIX eliminates the requirement of changing each and every IP address on the LAN.

Within the enterprise network, only a portion of the hosts will be using connections to the Internet at any given time. Since PIX dynamically allocates a registered address to each connection, it effectively multiplies the density of Internet-connected hosts within the corporate LAN. A Class C network will normally only allow 254 individual host addresses. Using the dynamic network address translation technology of PIX, it will be possible to connect well over 1,000 hosts to the Internet via a single Class C network registration in a typical installation.

The Private Internet Exchange also implements a technology called Adaptive Application Security, which will only allow connections to be initiated from the private network side of the PIX. Users on the enterprise LAN will enjoy transparent access to the services of the Internet, but any attempt to establish a connection into the private network from outside will fail. Access to particular nodes on the private LAN, such as an e-mail gateway, can be enabled with a simple command. Except for those explicitly allowed inbound destinations, the hosts on the private network are effectively invisible to the Internet at large.

A typical PIX configuration requires only five commands to perform a full installation. Installation can be performed with no network downtime. Pricing is based on the number of simultaneous active connections, starting at \$7,995 for a 32-slot license.

Network Translation, Inc. specializes in Internet connectivity for the enterprise. Founded by John Mayes, a leading Internet connectivity consultant, the company provides products and services that enable cost-effective utilization of enterprise connections to the global Internet.

- ### -