



The Private Internet Exchange (PIX) from Network Translation, Inc. paves the way for creating Internet-connected private networks within your organization. PIX allows you to take advantage of the subnetting flexibility of a larger address class than you may have been assigned, while still permitting all of your users direct access to the resources of the Internet.

The Network Address Translation algorithm in the Private Internet Exchange dynamically assigns addresses from a pool of globally unique IP numbers. This makes it possible to provide Internet access to many times the number of hosts allowed by traditional address allocation methods. At the same time, it conceals the internal architecture of your private network from the outside world.

# PRIVATE INTERNET EXCHANGE

## FEATURES

- Allows unregistered hosts direct Internet access by translating local IP addresses to registered ones
- Very simple installation - the normal configuration only requires five commands
- Address translation throughput at near full ethernet speed
- No time-consuming management required
- Supports all common Internet services including mosaic, archie, gopher, ftp, telnet, etc.
- No down time required for installation

## BENEFITS

- Allows full direct Internet access from unregistered IP hosts
- No address changes necessary
- Eliminates the need for difficult-to-maintain proxy servers
- Works with all flavors of TCP/IP
- No need to apply for additional registered IP addresses for network expansion
- Adaptive Application Security enhances network protection while allowing full access to the Internet
- Allows use of reserved addresses for private Internets from RFC 1957

## COMPATIBILITY

- 10 BaseT, AUI, and Thin Ethernet
- Internet Protocol Standards:
  - IP
  - TCP
  - UDP
  - ICMP

