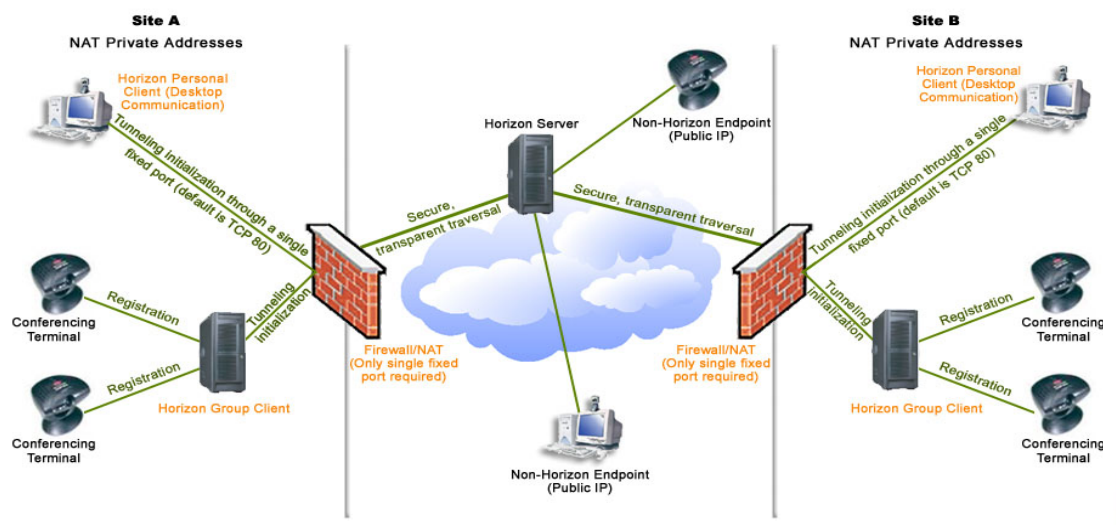


Horizon is an effective solution that securely overcomes firewall and NAT issues in H.323 & SIP based MoIP networks; enables secure connectivity across multiple network boundaries without any security compromise by creating a secure tunnel for audio, video and data streams. It requires no configuration on existing firewalls and NATs.

Horizon is comprised of two components, server and client. Server is typically deployed on the public network or in the domain of service provider and client is deployed within the enterprise network. Horizon Client is a thin client that can either be embedded with H.323/SIP endpoints or act as a sole proxy through which registered internal H.323/SIP devices communicate with external network. Client makes outbound connection to Server with a secure tunnel through a single fixed outbound port (default is TCP 80) across the firewall/NAT. Firewall security is maintained since all traffic are restricted to this single port.

**Micromethod's Horizon Solution for Multi-boundary traversal
(Both H.323 and SIP)**



Key Features:

- ◆ Ability to securely traverse multiple network boundaries such as firewalls and NATs of all types.
- ◆ Maintains network security policies while providing connectivity.
- ◆ All traversal/connections are multiplexed onto single fixed ports (default is TCP 80) through firewall/NAT.
- ◆ Firewall/NAT tunneling between client and server can switch between TCP and UDP protocols.
- ◆ Web based interface for server administration; role based user management, call monitor/management.
- ◆ All media data through public network are encrypted with AES at 128, 192 or 256 bits of key size length.
- ◆ Client/server tunneling authentication.
- ◆ Overall system & traversal latency (client & server) is less than 6ms.

Specification:

Server (H.323 or SIP):

- Linux, Windows XP/2000
- Intel Pentium III 1.6 GHz or higher CPU, 512 MB of RAM
- 100Mbps network adapter
- One public IP address

Group Client:

- Windows XP/2000
- Intel Pentium III 1 GHz or higher CPU, 256 MB of RAM
- 100Mbps network adapter

Personal Client:

- Windows XP/2000
- Intel Pentium III 600 MHz or higher CPU, 128 MB of RAM
- 100Mbps network adapter

Support Protocols:

- H.323 v4
- SIP
- T.120

