

Horizon H.323 – Secure Firewall/NAT Traversal

Micromethod's **Horizon H.323** is an effective solution that securely overcomes firewall and NAT issues in H.323 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 H.323 supports two different firewall traversal protocols: proprietary secure tunneling and standard-based H.460 traversal.

Proprietary secure traversal:

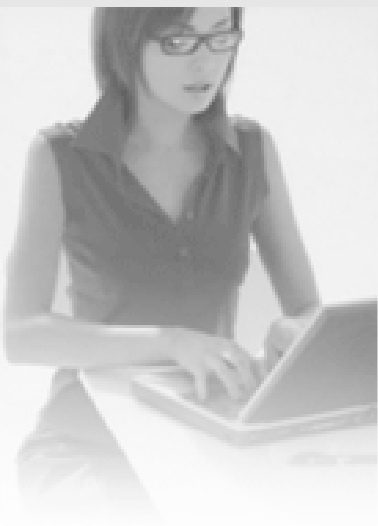
The secure tunneling traversal requires deployment of two components, Horizon server and client. Server is typically deployed on DMZ or public network and client is deployed within enterprise with the endpoints. Horizon Client is a thin client that can either be embedded with H.323 endpoints or act as a sole proxy through which registered internal H.323 devices communicate with external network. Client makes outbound connection to Server with a secure tunnel through a single fixed outbound port across the firewall/NAT. Firewall security is maintained since all traffic are restricted to this single port.

Standard-based H.460 traversal:

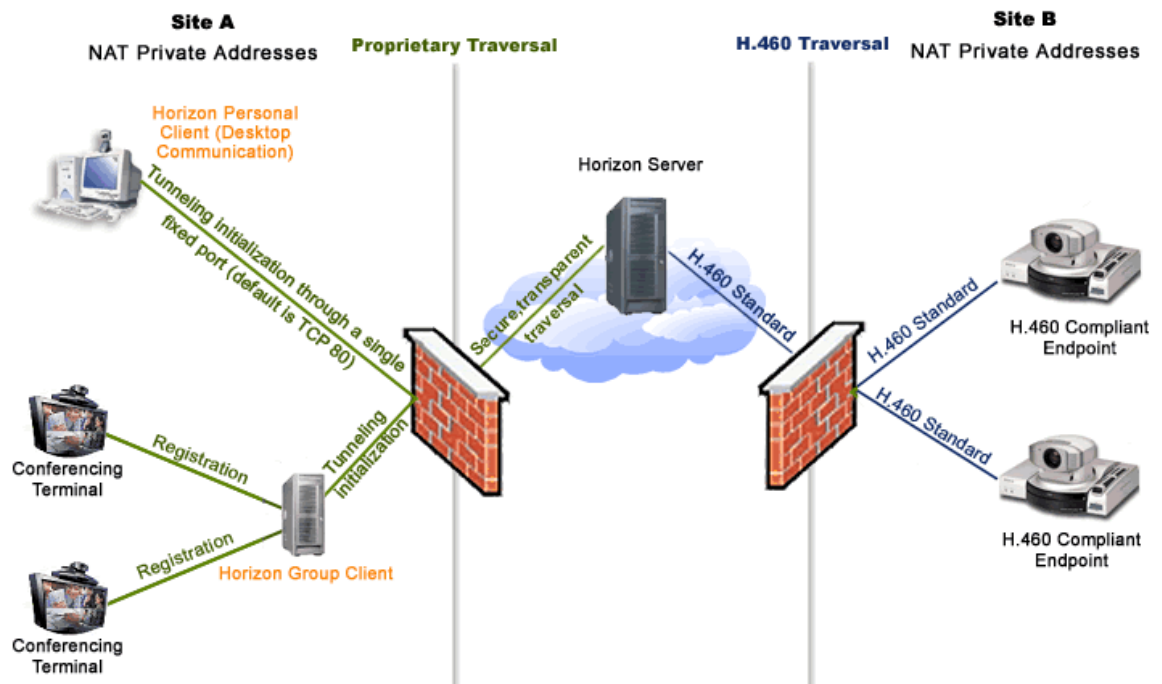
H.460.18 and H.460.19 are ITU standards which define protocols for the firewall/NAT traversal of signaling and media respectively. In addition to the proprietary secure tunneling traversal, Horizon server is fully compliant as a H.460 traversal server. By deploying in conjunction with H.460 compliant endpoints such as Polycom and Tandberg endpoints, Horizon server provides secure and scalable way for multimedia communication across organizations.

Key Features:

- Supports both proprietary and H.460 based firewall/NAT secure traversal.
- Maintains network security policies while providing connectivity.
- Total system & traversal latency is less than 6ms.
- AES encryption applies to all data transmission through public network.



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Specification:

Horizon Server:

- 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
- T.120
- H.460.18 & H.460.19