



Engage The Power of We™

# Avaya Scopia® PathFinder Firewall Traversal

## H.323 Remote Connectivity with Enhanced Security



Avaya Scopia® PathFinder Firewall Traversal is a combined firewall and NAT traversal solution enabling more secure connectivity between enterprise networks and remote sites. PathFinder helps maintain the security and advantages of firewall and NAT over video networks and allows seamless integration with existing video conferencing systems and infrastructure components.

PathFinder is easily deployed in the DMZ and can be installed on any standalone computer in the network. PathFinder requires no changes to dial plans or E.164 numbers in the conferencing application. Built on a hardened Linux operating system including access control, AES encryption and client authentication, PathFinder mitigates the risk of attacks by malicious devices. Firewall and NAT problems are handled without upgrading devices, and call quality is maintained through QoS support.

### Highlights

- Works with Any Firewall, Endpoint and Gatekeeper
- Easily Deployed
- Helps Maintain Security
- Scalable and Distributed
- H.460 Compliant





With more than 100 years as a leader in communications, Avaya can help your company maximize productivity with the communications solutions specific to the needs of your workforce.

### **Works with Any Firewall, Endpoint and Gatekeeper**

Solves near-end and far-end firewall issues allowing you to maintain existing security measures with no changes to existing firewalls. All H.323 standards-based endpoints and gatekeepers are supported. Retains all Scopia ECS Gatekeeper features: enhanced dial plan, hierarchy, conference hunting, CDR records and API for integration.

### **Easily Deployed**

Easily deployed in the DMZ while the PathFinder client can be installed on any standalone computer in the network. Simply continue using your existing firewall, gatekeeper, and video conferencing endpoints. No changes in dial plans or E.164 numbers are required.

### **Helps Maintain Security**

Hardened Linux operating system client with built-in access control to mitigate the risk of attacks by malicious devices. AES encryption and client authentication help strengthen security and peace of mind for the administrator.

### **Scalable and Distributed**

A single PathFinder client can support many individual endpoints. PathFinder servers can be neighbored and load balanced for additional capacity and backup. Clients hunt backup servers in the event the primary server is unavailable.

### **H.460 Compliant**

Providing the latest in video conferencing firewall traversal technology.

# Scopia PathFinder Specifications

## Functionality

- Both near-end (enterprise firewall/NAT) and far-end (remote site) firewall traversal
- Handles firewall and NAT problems without device upgrade
- Suitable for service providers and enterprises
- H.460.18/19 compliant including support for multiplexed media
- Easy to implement and deploy

## Capacity

- Up to 100 concurrent calls
- Up to 600 registered devices
- Server neighboring for large enterprises and scalability
- Neighboring and load balancing by F5 and Radware

## Call Control

- Enterprise gatekeeper support - allows deploying a local gatekeeper at the remote site
- Full dial plan support

## Security

- Hardened Linux platform
- Closed 1U chassis
- AES encryption for call privacy

## Management

- Web interface for easy management
- SSH console interface for administration
- Role based user management for user and client definition
- Monitor all connected clients
- View client details, registered endpoints and active calls
- Connect and disconnect clients
- Multi-level configurable call logging
- Configurable tunneling port for administrator flexibility

## Scopia Management Additional Features

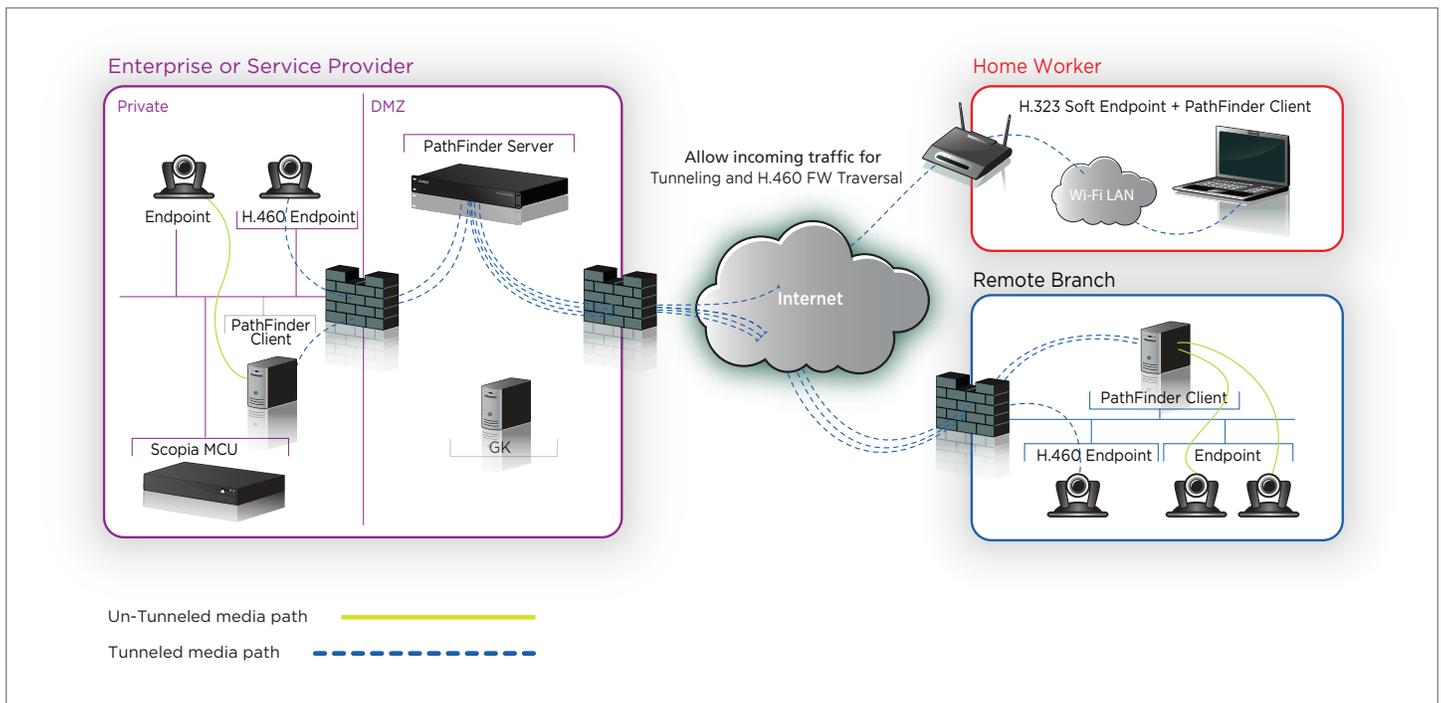
- Centralized management of video conferencing infrastructure
- Real-time monitoring
- Enhanced problem ticket handling with real-time alarm notifications
- Centralized log collection
- Simplified problem handling through collection of all necessary logs and traces into a file package for troubleshooting

## Scopia PathFinder Client

- Software, deployed on any computer in the remote site
- Available for Microsoft Windows or Red Hat Linux operating systems
- One client serves many endpoints
- Can be deployed together with software endpoints
- Multiple server failover options
- Security mechanism for the administrator to define the devices accessible via the client
- Supports any H.323 endpoint
- Client authentication - each client uses a dedicated password managed by the server

## Client Requirements

- Operating System: Microsoft Windows, Red Hat Linux
- Please see Release Notes for detailed operating system requirements
- Intel Pentium IV, 2 GHz or higher processor
- 256 MB RAM
- 50 MB hard disk space



Scopia PathFinder Typical Deployment - Server is in the Enterprise DMZ, Client in Every Remote Site

## Support Services

Avaya offers a full set of services to help maximize a video investment. Strategic and technical consulting along with deployment and customization services help ensure that video collaboration rollouts are successful and aligned to business requirements.

Avaya Video Support Services maximizes up time with software updates, upgrades, remote maintenance and expert repairs.

Video Managed Services enable organizations to enjoy a predictable, high-quality video collaboration experience that drives optimal levels of user adoption on any size deployment.

## About Avaya

Avaya is a leading, global provider of customer and team engagement solutions and services available in a variety of flexible on-premise and cloud deployment options. Avaya's fabric-based networking solutions help simplify and accelerate the deployment of business critical applications and services. For more information, please visit [www.avaya.com](http://www.avaya.com).

## Scopia PathFinder Specifications (cont.)

### External Interfaces

- Dual Gigabit NICs
- 1 x DB9 serial port connector
- 2 x USB 2.0 connectors

### PathFinder Chassis

- W: 43.7 cm (17.2")
- D: 65.0 cm (25.6")
- H: 43.0 cm (1.7")
- 19-inch rack-mountable with flanges
- 100-240 VAC, 50-60 Hz, 600 W

### Environmental Characteristics

- Operating temperature: 5° to 35°C (41° to 95°F)
- Storage temperature: -40° to 60°C (-40° to 140°F)
- Relative storage humidity: 8% to 90% relative humidity, non-condensing

## Learn More

To learn more and to obtain additional information such as white papers and case studies about the Avaya Scopia PathFinder Firewall and NAT solution, please contact your Avaya Account Manager or Authorized Partner or visit us at

[www.avaya.com](http://www.avaya.com).



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