TECHNICAL NOTE

Firewall, NAT & Web Proxy Traversal for VidyoConferencing™ Solutions

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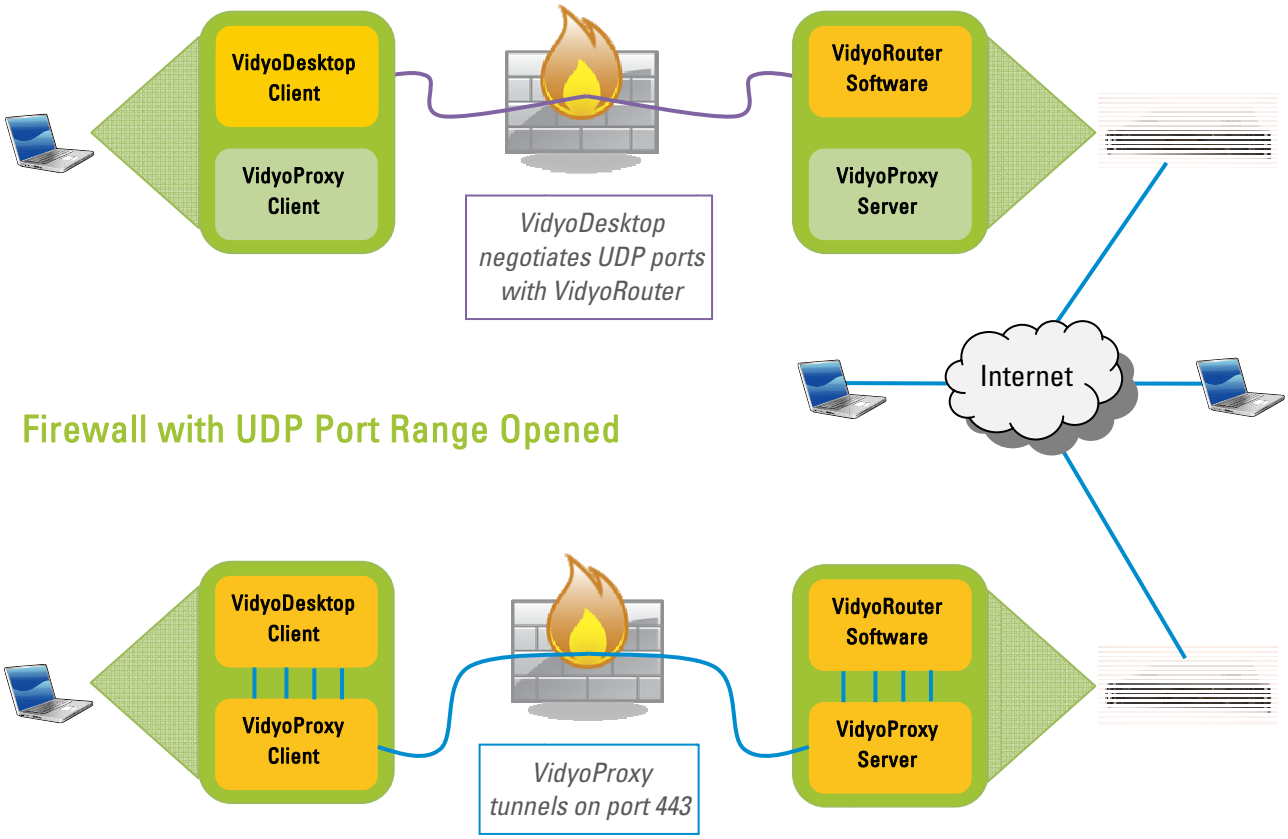
Vidyo's Firewall, NAT and Web Proxy Traversal Solution

Overcoming deployment barriers securely and effectively

Utilizing the internet to gain cost efficiencies is a significant advantage of the VidyoConferencing™ solution. Traversing company firewalls, NATs and Web Proxies can pose a challenge, particularly if you don't have control over the firewall, or your company policy prevents you from opening the necessary ports for VidyoConferencing signaling and traffic. Vidyo's proxy solution was developed to address this challenge, securely and effectively.

Vidyo's proxy solution is comprised of client and server software components. The server component resides on the VidyoRouter™ appliance and is included with the purchase of the VidyoRouter. The client component is included with the VidyoDesktop™ purchase and resides on the same endpoint device.

Vidyo Solutions for Firewalled Networks



Firewall with UDP Port Range Opened

Firewall with UDP Ports Closed

Key Features and Functions of Vidyo's Proxy Solution

For implementations where the necessary range of UDP ports are opened on the company network, the VidyoDesktop client uses industry standard ICE/STUN to negotiate UDP ports directly with the VidyoRouter. These same protocols are employed for NAT traversal.

For implementations where the UDP ports are closed on the company network, Vidyo's proxy solution overcomes these blocking issues in a secure fashion by tunneling on port 443 using industry standard TCP. The VidyoDesktop is able to auto-detect if firewall blocking is taking place and automatically switch to Vidyo's proxy configuration as needed. If the firewall configuration is known, auto-detection can be easily overridden. Vidyo's proxy client software is included with the VidyoDesktop application and the proxy server software is included with the VidyoRouter application. The same proxy client and server software modules are also able to traverse Web Proxies.

While no additional hardware is necessary to implement the proxy solution, the proxy server software may be run independently on a separate VidyoRouter appliance to optimize performance for cases where the appliance running the VidyoRouter application is not in close proximity to the internal company network.

Please note that Vidyo's proxy solution is not currently supported on VidyoRoom™ endpoints.

Conclusion

We hope that this information will help simplify your VidyoConferencing deployment in environments where firewalls, NATs and web proxies come into play. For more information or additional ideas on how to address your deployment concerns, please contact your local Vidyo sales engineer.

For more information: www.vidyo.com/1.866.99.VIDYO