Re: MS Netmeeting pass through

Source: http://www.derkeiler.com/Newsgroups/comp.security.firewalls/2003−05/0969.html

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Date: 05/14/03

Date: Wed, 14 May 2003 10:56:10 +0200

Dans (In) le post (news) :vc2omn5p9qtmec@corp.supernews.com,
NeoSadist <neosadist@hotmail.com> écrivait (typed) :

> If I'm not mistaken, you can tell netmeeting what ports to use.

No !
When Microsoft developed NetMeeting 3.0 they chose to use the existing h.323 video conferencing protocol. This protocol happens to be completely incompatible with standard NAT(network address translation) − the technology used for most internet sharing devices.

Unlike most TCP/IP applications, NetMeeting uses DYNAMIC PORTS instead of STATIC PORTS. That means that each NetMeeting connection is somewhat different than the last. For instance, the HTTP web site application uses port 80. NetMeeting can use any of over 60,000 different ports. Putting a web server behind a firewall means opening a single small hole. Putting a NetMeeting computer behind a firewall means opening over 60,000 ports − a security nightmare. :−((

Port Function Outbound
Connection
389 Internet Locator Service (ILS) TCP
522 User Location Service TCP
1503 T.120 TCP
1720 H.323 call setup TCP
1731 Audio call control TCP
Dynamic H.323 call control TCP
Dynamic H.323 streaming Real−Time Transfer Protocol (RTP) over UDP

If you use a firewall to connect to the Internet, it must be configured so that the IP ports are not blocked.

To establish outbound NetMeeting connections through a firewall, the firewall must be configured to do the following:

Pass through primary TCP connections on ports 389, 522, 1503, 1720, and 1731.
Pass through secondary TCP and UDP connections on dynamically assigned

ports (1024−65535).

The H.323 call setup protocol dynamically negotiates a TCP port for use by the H.323 call control protocol. Also, both the audio call control protocol and the H.323 call setup protocol dynamically negotiate UDP ports for use by the H.323 streaming protocol, called the Real−Time Transfer Protocol (RTP). In NetMeeting, two UDP ports are determined on each side of the firewall for audio and video streaming, for a total of four ports for inbound and outbound audio and video. These dynamically negotiated ports are selected arbitrarily from all ports that can be assigned dynamically.

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Melchior de Contades − Paris (FR) −