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Firewall Checklist

From Digium on July 2012

Below is our firewall checklist.

* Ports that need to be forwarded on the firewall/router located where the PBX is:

5060 UDP (SIP)

10,000-20,000 UDP (RTP)

4000-4999 UDP (t.38 Faxing)

5222 TCP (Switchboard)

5269 TCP (Switchboard)

843 TCP (Switchboard)

4569 UDP - IAX

443 TCP (HTTPS - remote web admin)

22 TCP (SSH)

NTP: 123 UDP

1194 UDP - VPN

4569 UDP - IAX

* The following ports need to be opened at the remote user's firewall/router as well and doesn't have to be forwarded. This does not include the SSH or HTTPS ports since a standard user will not have to SSH or log into the web admin remotely.

5060 UDP (SIP)

10,000-20,000 UDP (RTP)

5222 TCP (Switchboard)

843 TCP (Switchboard)

* Please also check all firewall/routers for the following features. If you see it, please make sure that it's disabled:

SPI (Stateful Packet Inspection)

SIP Transformations

SIP ALG (SIP Application Layer Gateway)

ALG

NAT Filtering

SIP Inspection

Smart Packet Detection

* Make sure your firewall/router is up-to-date on its firmware version.

* If all else fails, start disabling the security features on your firewall/router one by one to see if you can identify which feature is causing the issue.