

Mondopad Firewall Requirements

For Mondopad application, the following firewall rules are required to run the application properly:

- Rule 1 (MP <-> MP Invite/Share)
 - Protocol: TCP
 - Port: 2000, 3000
 - Direction: Inbound
- Rule 2 (MP Discovery)
 - Protocol: UDP
 - Port: 2001, 10089, 10086
 - Direction: Inbound
- Rule 3 (Present2 ↔ PC Communications)
 - Protocol: UDP
 - Ports: 38436-38439
 - Direction: Both inbound and outbound
- Rule 4 (HTTP Access WWW – Web Services)
 - Protocol: TCP
 - Port: 80 (http)
 - Direction: Inbound
- Rule 5 (SIP Video Calls)
 - Protocol: TCP & UDP
 - Port: 5060 (unsecure) or 5061 (secure with TLS)
 - Direction: TCP both Inbound and Outbound
 - Direction: UDP outbound only
 - Additional Port range Utilized during active call range from 25000-35000 (for infocus.net SIP service)
 - For other SIP service provider, please consult their administrator.
 - InFocus.net provisioning uses:
 - Provisioning uses HTTPS
 - Registration uses TCP Ports 5060 or 5061
 - VM Media uses UDP port 5060 or 5061
 - ALG routers convert IP and Port addresses which will block video Calls from succeeding. If using ALG routers then the router must configure the specific MP IP/Port for pass thru in order to function or disable the ALG functionality.
 - For direct H.323 in certain cases
 - Port 1720 TCP is the default H.323 outbound port

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- Rule 6 (EMAIL, needs to be enabled depending on email service/configuration)
 - Protocol: TCP
 - Port (default):
 - SMTP Port: 25 (unsecure), 587 (secure) or 465 (secure)
 - IMAP Port: 143 (unsecure) or 993 (secure)
 - POP Port: 110 (unsecure) or 995 (secure)
 - Direction: Outbound

- Rule 7 (VPN, needs to be enabled if planning on VPN into other Mondopad locations)
 - If using VPN both locations routers have to be setup to enable either PPTP, L2TP or IPSEC
 - Configuration varies depends on VPN solution vendor.

- Rule 8 (ControlView)
 - Protocol: TCP
 - Port: 6783, 6784, 6785
 - Direction: both inbound and outbound

Preferred: All outbound traffic should not limited by firewall rules.

If Mondopad is running Windows Firewall, Mondopad application will attempt to add/delete the above rule items 1 through 4 when application starts/stops. So, no user activity will be required.

If Mondopad is running 3rd party firewall, please add the above rules to the firewall ACL.

For **Present2 application running on the client computer**, the following firewall rules are required to run the application properly:

- Rule 1
 - Protocol: TCP
 - Port: 2000, 3000
 - Direction: Inbound

- Rule 2
 - Protocol: UDP
 - Port: 2001, 38439
 - Direction: Inbound

- Rule 3
 - Protocol: UDP
 - Port: 38437
 - Direction: Outbound