



# Firewall White List

---

## Avoiding Firewall Issues in qulu VMS

qulu VMS will generate Internet traffic if/when any Server in a System is connected to the Internet.

To guarantee connectivity to qcloud-based services you may need to add qulu-related end points to your Firewall White List.

Below are the settings we recommend for your Firewall White List to avoid any interruptions in Internet-based services associated with qulu VMS.

---

## Firewall White List - Recommended Settings

Note: When configuring your Firewall make sure to use FQDN format in order to as some of the end points do not resolve to static IP addresses.

- For qcloud

Required to connect / disconnect Systems from qulu qcloud and maintain connections.

*your-cloud-address.com (i.e. <https://qcloud.vista-cctv.com>)*

TCP - ports: 80, 443

-----

- For qcloud Connect (NAT Traversal, Data Proxy services)

Required for remotely connecting to a qulu system via qcloud.

Option 1: Non-Region Specific

\*.vmsproxy.com

Option 2: Region-Specific

relay.vmsproxy.com

relay-ny.vmsproxy.com

relay-fr.vmsproxy.com

relay-la.vmsproxy.com

relay-sy.vmsproxy.com

relay-si.vmsproxy.com

mediator.vmsproxy.com

TCP Port: 80, 443

UDP Port: 3345

-----



- **For Time Synchronization**

Required to synchronize Server times with qulu Time Servers.

Option 1: Non-Region Specific

\*.rfc868server.com

Option 2: Region-Specific

time.rfc868server.com

us-west.rfc868server.com

frankfurt.rfc868server.com

singapore.rfc868server.com

TCP Port: 37

-----

- **For License Activation / Deactivation**

Required to activate and manage Licenses online.

licensing.vmsproxy.com

TCP Port: 80

-----

- **For Update Notifications**

updates.vmsproxy.com

-----

- **For Anonymous Reporting**

Required to send Anonymous usage statistics.

stats.vmsproxy.com

stats2.vmsproxy.com

TCP - ports: 80, 443

-----

- **For Fetching Public IP**

Required to allow Servers to fetch a public IP for use in directing System traffic.

tools.vmsproxy.com

tools-eu.vmsproxy.com

Port: 80

-----