

# SolarWinds® Serv-U® Firewall Guide

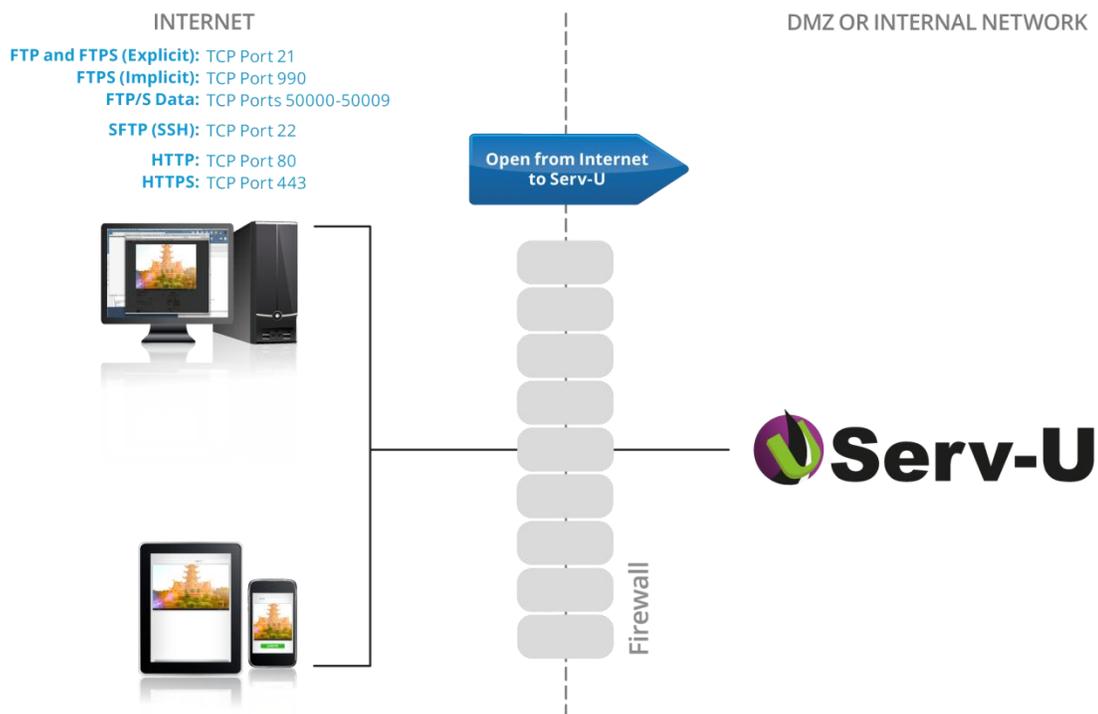
DEPLOY YOUR FILE TRANSFER SERVER QUICKLY AND SAFELY

## Support File Transfer Across the Internet - Safely

This guide helps IT administrators and firewall, security and network specialists understand the firewall rules needed to safely support file transfer protocols across the Internet.

## Configuring Your Firewall *WITHOUT* Serv-U Gateway

### Recommended Serv-U Firewall Rules

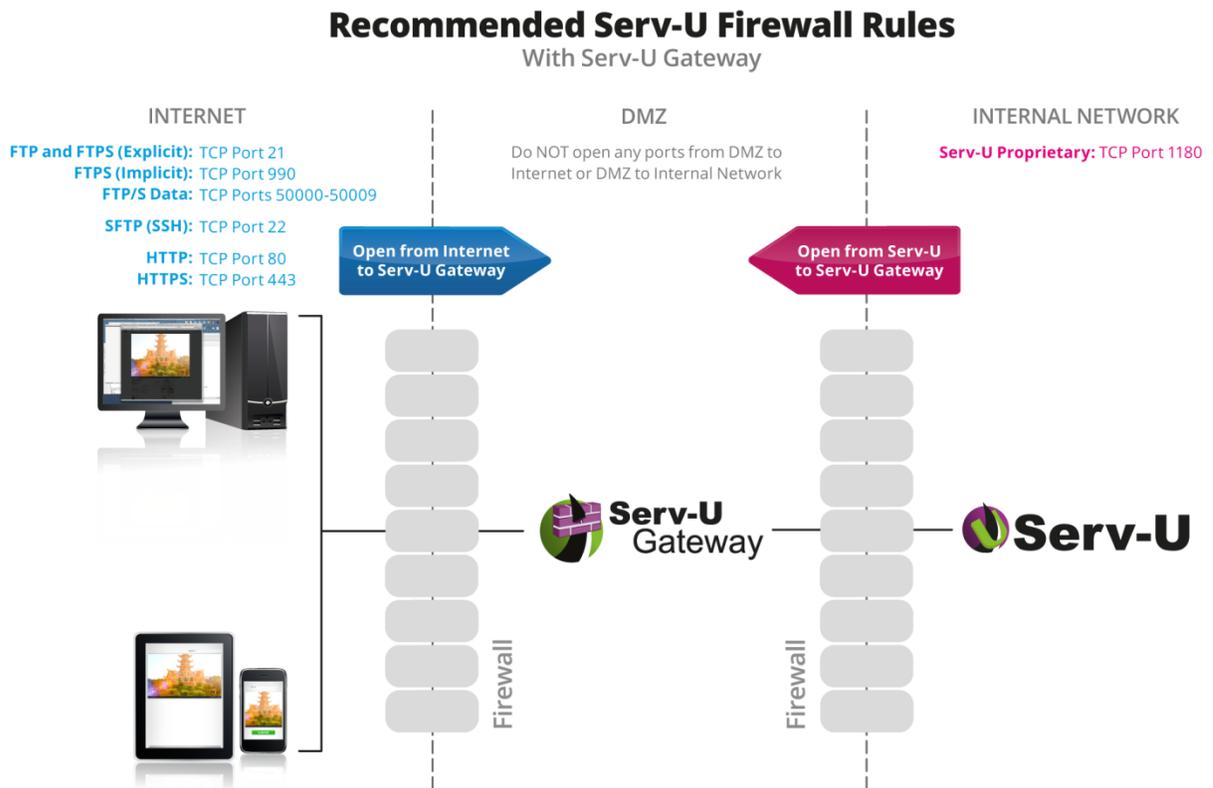


### Firewall Configuration

This firewall configuration supports FTP, FTPS (SSL/TLS), SFTP (SSH), HTTP and HTTPS connections from the Internet directly into Serv-U. "Passive" mode FTP/S connections are supported by this configuration. If "active" mode connections are also desired, the firewall will either also need to be configured to allow outbound connections, or will need to be "FTP aware" enough to open FTP data channels dynamically. (This rarely works with FTPS.)

## Configuring Your Firewall WITH Serv-U Gateway

When you add Serv-U Gateway to your deployment, you ensure that all connections coming from the Internet are terminated in the DMZ and that no connections are initiated from the DMZ into internal networks. You are also ensuring that no data is ever stored in the DMZ.



### Firewall Configuration

This firewall configuration supports FTP, FTPS (SSL/TLS), SFTP (SSH), HTTP and HTTPS connections from the Internet into the Serv-U Gateway. The firewall between the DMZ segment and the internal network only needs to allow outbound connections from Serv-U to

Serv-U Gateway over TCP port 1180. "Passive" mode FTP/S connections are supported by this configuration. If "active" mode connections are also desired, the firewall will either also need to be configured to allow outbound connections, or will need to be "FTP aware" enough to open FTP data channels dynamically. (This rarely works with FTPS.)

## Choosing a File Transfer Firewall Configuration

The "WITH Gateway" configuration should be used if your security policy or regulatory requirements (e.g, PCI-DSS) require you to:

- Avoid storing data in a DMZ segment.
- Avoid opening any connections from a DMZ segment into your internal network.
- Use a "proxy" to handle other Internet-facing applications (such as email servers or web servers).

You may also want to use the "WITH Gateway" configuration if you want:

- To avoid direct connections to Active Directory®, Windows Shares or databases from machines located in the DMZ. (The internal Serv-U server initiates these connections.)
- Have been asked to deploy a "managed file transfer" solution.
- To handle all incoming connections on a Linux® machine. (You may deploy Serv-U Gateway and Serv-U on different operating systems.)

Otherwise, you may use the "WITHOUT Gateway" configuration.

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