

Add servers behind a Tunnel Host in SSH Gateway or Add servers that are accessible via port forwarding via the ssh gateway server.

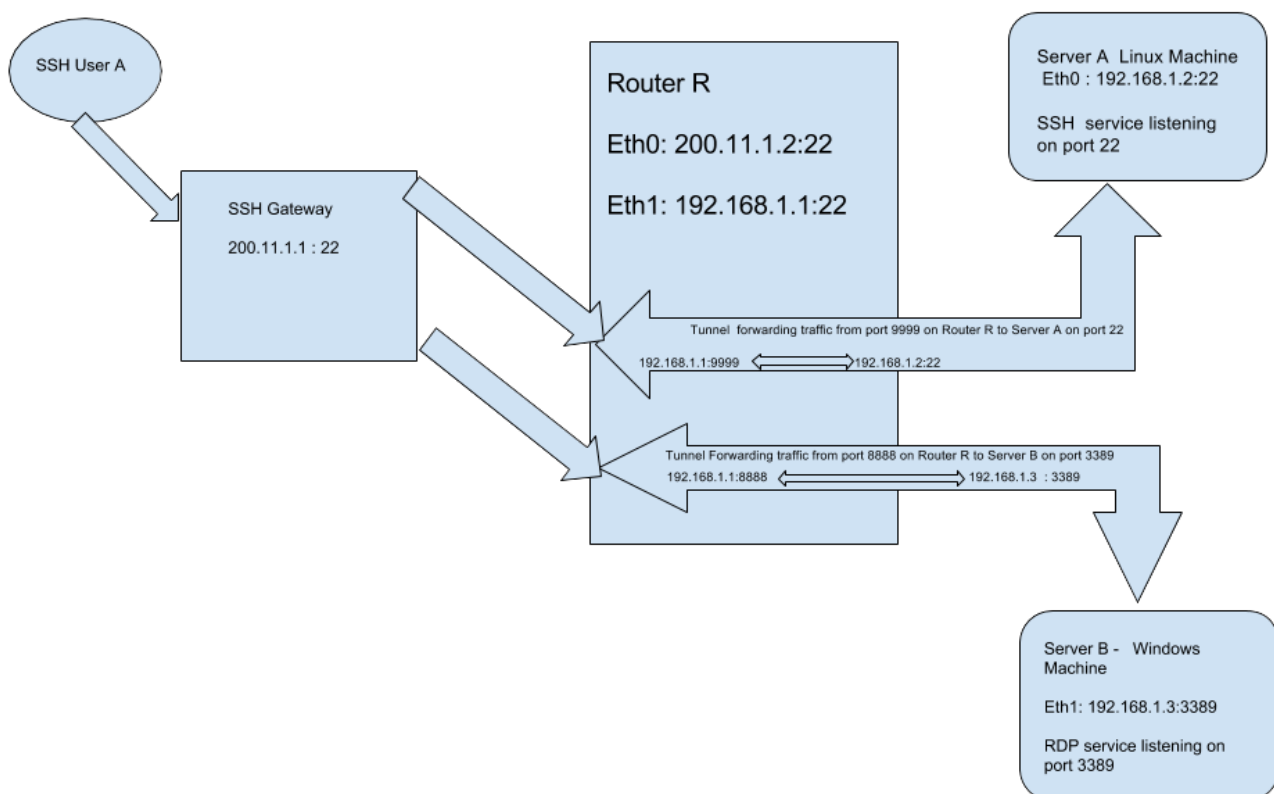
176 admin October 6, 2024 [Productivity & Efficiency Features](#), [Technical](#) 26339

Adding Servers via Tunnel Host in SSH Gateway or Servers Accessible via Port Forwarding through SSH Gateway

Overview: This article explains how to utilize Ezeelogin's Tunnel Host feature to integrate servers located behind NAT or routers into the SSH gateway. By forwarding ports through a designated Tunnel Host, it allows secure access to servers with private IP addresses via a gateway with a public IP.

The tunnel Host feature lets you add in server in a LAN or behind a router on a different network into the Ezeelogin SSH gateway. As shown in the diagram below, servers A & B can be added to the SSH Jump host even though they are behind a NAT and hence have private IPs.

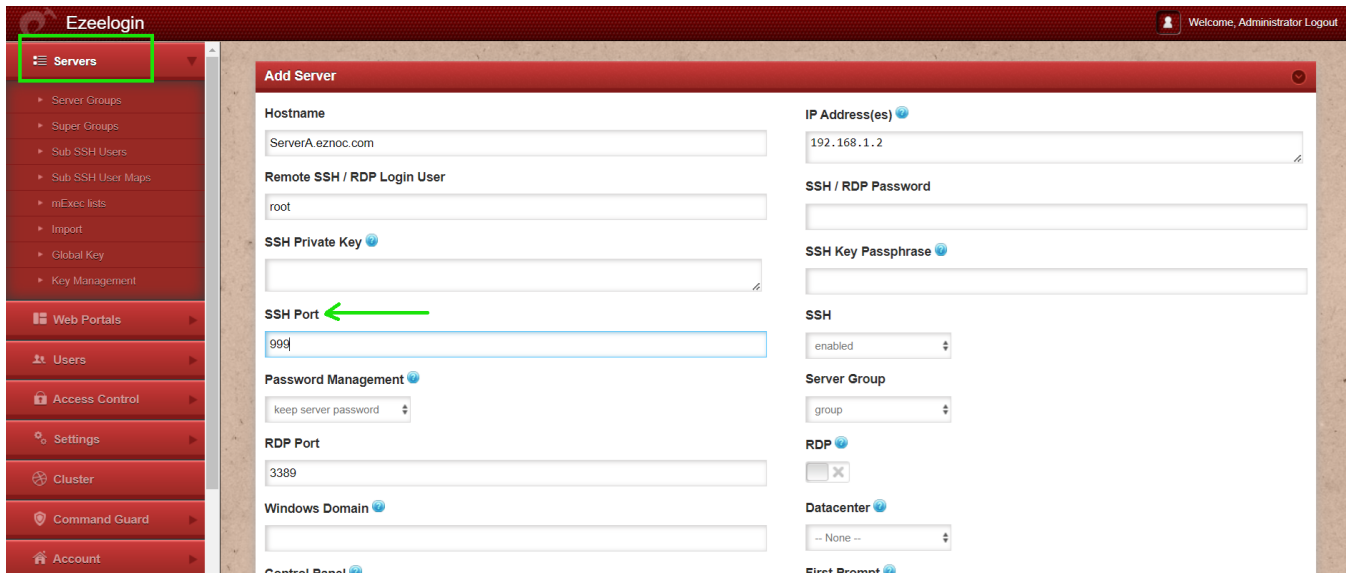
In this scenario, the Tunnel Host feature is useful for adding servers with only public IPs to the SSH gateway. It allows you to include servers located behind a router (Router R) by forwarding ports, enabling access to machines within the LAN.



The **tunnel** Host feature is used to add target servers that are not directly accessible but can be accessed

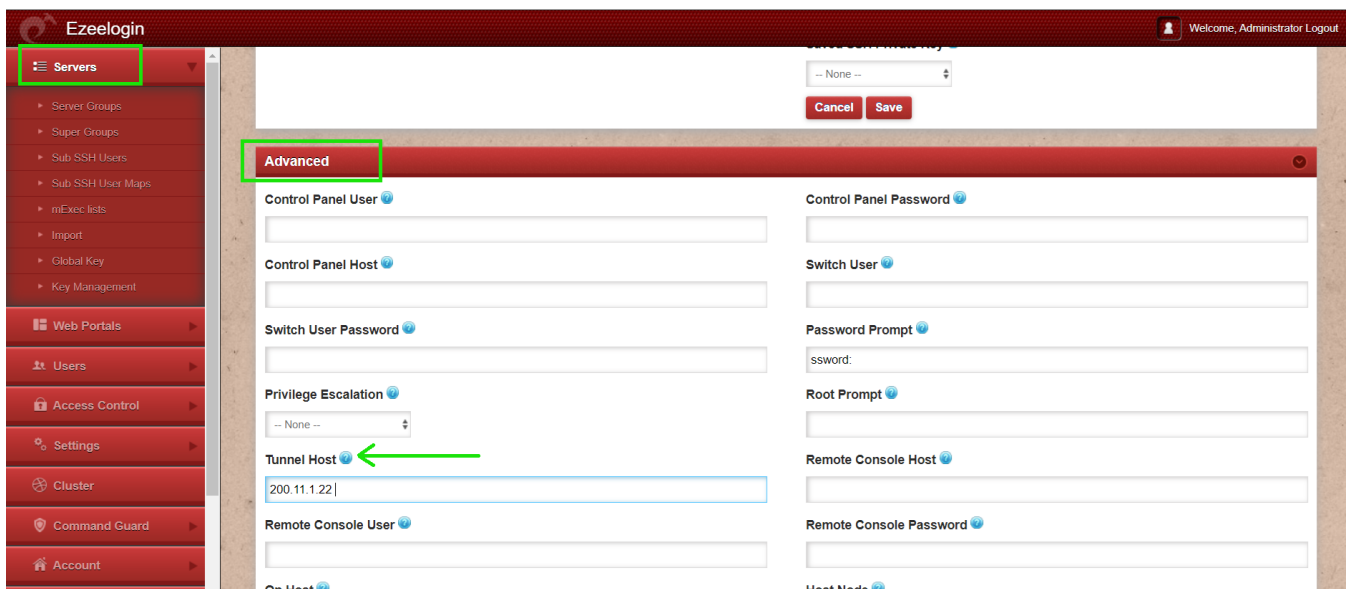
only via forwarded ports on the tunnel host server **RouterR.eznoc.com**. The **tunnel Host** variable is found under the **Advanced** section while adding a new server.

Step 1: To add and access the SSH server ServerA.eznoc.com, which has a private IP of 192.168.1.2 and is located behind RouterR.eznoc.com, input the following values. The forwarding port 999 on RouterR.eznoc.com should be entered in the SSH port field.



The screenshot shows the 'Add Server' form in the Ezeelogin interface. The 'Servers' menu is highlighted in the sidebar. The 'SSH Port' field is highlighted with a green box and a green arrow pointing to it, containing the value '999'. Other fields include Hostname (ServerA.eznoc.com), Remote SSH / RDP Login User (root), SSH Private Key, SSH Key Passphrase, IP Address(es) (192.168.1.2), SSH / RDP Password, SSH Key Passphrase, SSH (enabled), Server Group (group), RDP Port (3389), Windows Domain, Control Panel, and First Prompt.

Step 2: In the Advanced section of ServerA.eznoc.com, set the Tunnel Host to RouterR.eznoc.com. Enter its IP address, 200.11.1.22, as shown below.



The screenshot shows the 'Advanced' section of the 'Add Server' form. The 'Advanced' section is highlighted in the sidebar. The 'Tunnel Host' field is highlighted with a green box and a green arrow pointing to it, containing the value '200.11.1.22'. Other fields include Control Panel User, Control Panel Password, Control Panel Host, Switch User, Switch User Password, Password Prompt, Root Prompt, Remote Console Host, Remote Console Password, Remote Console User, On Host, and Host Node.

Step 3: Similarly, to add and access the RDP server ServerB.eznoc.com with private IP address 192.168.1.3 behind RouterR.eznoc.com, enter the values as shown below. Disable the SSH field since this is a Windows server. The forwarding port of 8888 on RouterR is entered in the SSH port field.

Ezeelogin Welcome, Administrator Logout

Servers

- Server Groups
- Super Groups
- Sub SSH Users
- Sub SSH User Maps
- mExec lists
- Import
- Global Key
- Key Management
- Web Portals
- Users
- Access Control
- Settings
- Cluster
- Command Guard
- Account

Add Server

Hostname: ServerA.eznoc.com

Remote SSH / RDP Login User: root

SSH Private Key

SSH Port: 8888

Password Management: keep server password

RDP Port: 3389

Windows Domain

Control Panel

IP Address(es): 192.168.1.3

SSH / RDP Password

SSH Key Passphrase

SSH: disabled

Server Group: group

RDP

Datacenter: -- None --

First Prompt

Step 4: Under the **Advanced settings** of ServerB.eznoc.com, the Tunnel Host is set as RouterR.eznoc.com so its IP address 200.11.1.22 is entered as shown below.

Ezeelogin Welcome, Administrator Logout

Servers

- Server Groups
- Super Groups
- Sub SSH Users
- Sub SSH User Maps
- mExec lists
- Import
- Global Key
- Key Management
- Web Portals
- Users
- Access Control
- Settings
- Cluster
- Command Guard
- Account

Advanced

Control Panel User

Control Panel Host

Switch User Password

Privilege Escalation: -- None --

Tunnel Host: 200.11.1.22

Remote Console User

On Host

Control Panel Password

Switch User

Password Prompt: ssword:

Root Prompt

Remote Console Host

Remote Console Password

Host Node

Related Articles:

[How to install and configure Eztunnel?](#)

[Port forwarding from jump server to target Linux machine](#)

Online URL:

<https://www.ezeelogin.com/kb/article/add-servers-behind-a-tunnel-host-in-ssh-gateway-or-add-servers-that-are-accessible-via-port-forwarding-via-the-ssh-gateway-server-176.html>