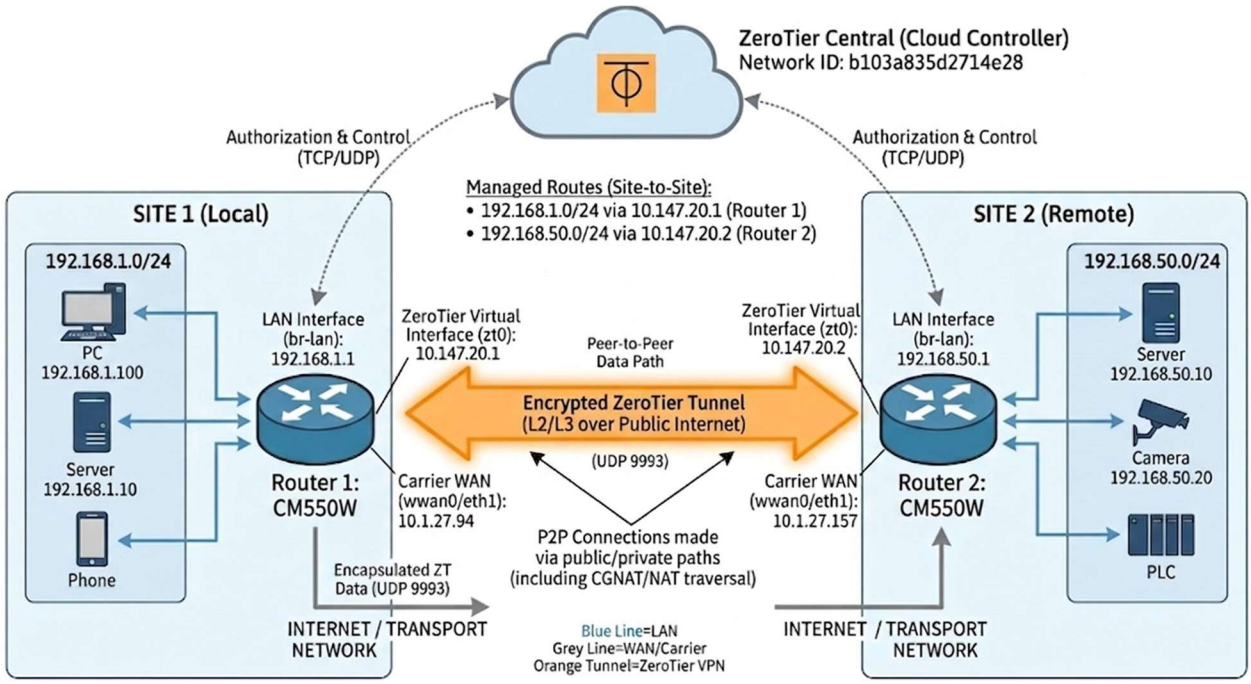
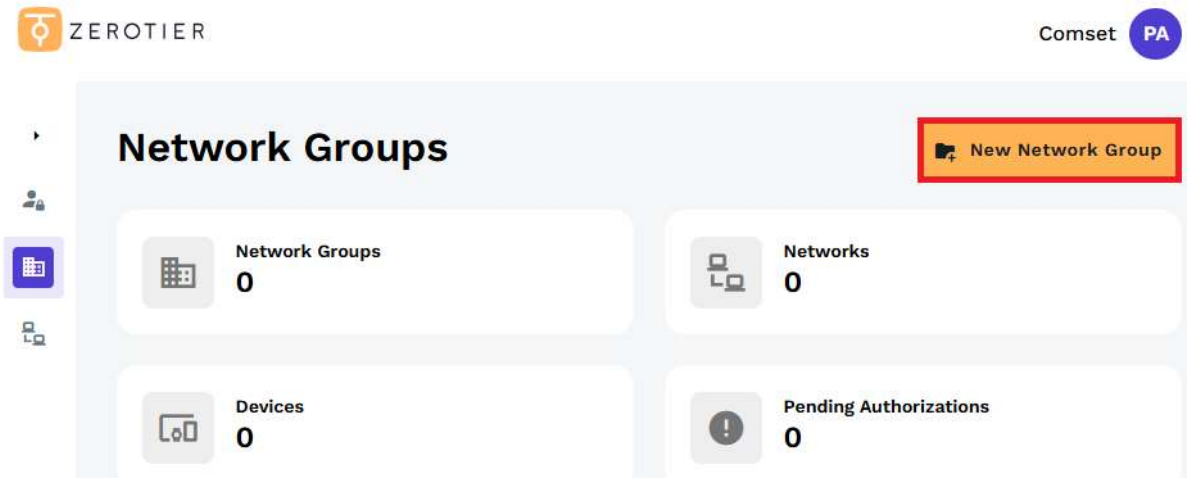
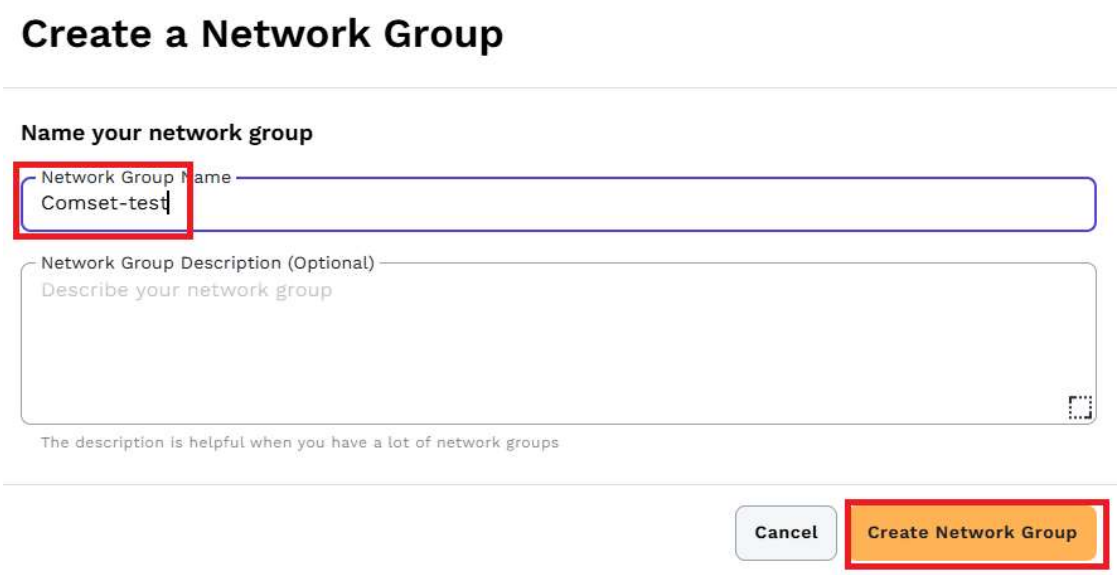
How to setup ZeroTier VPN on the Comset CM550W Router

Network Topology

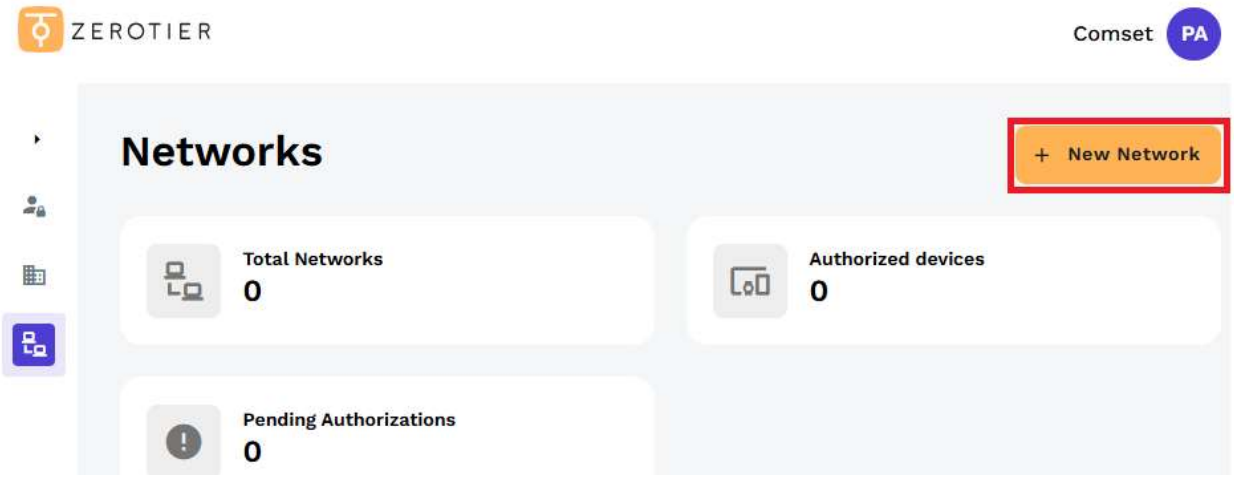


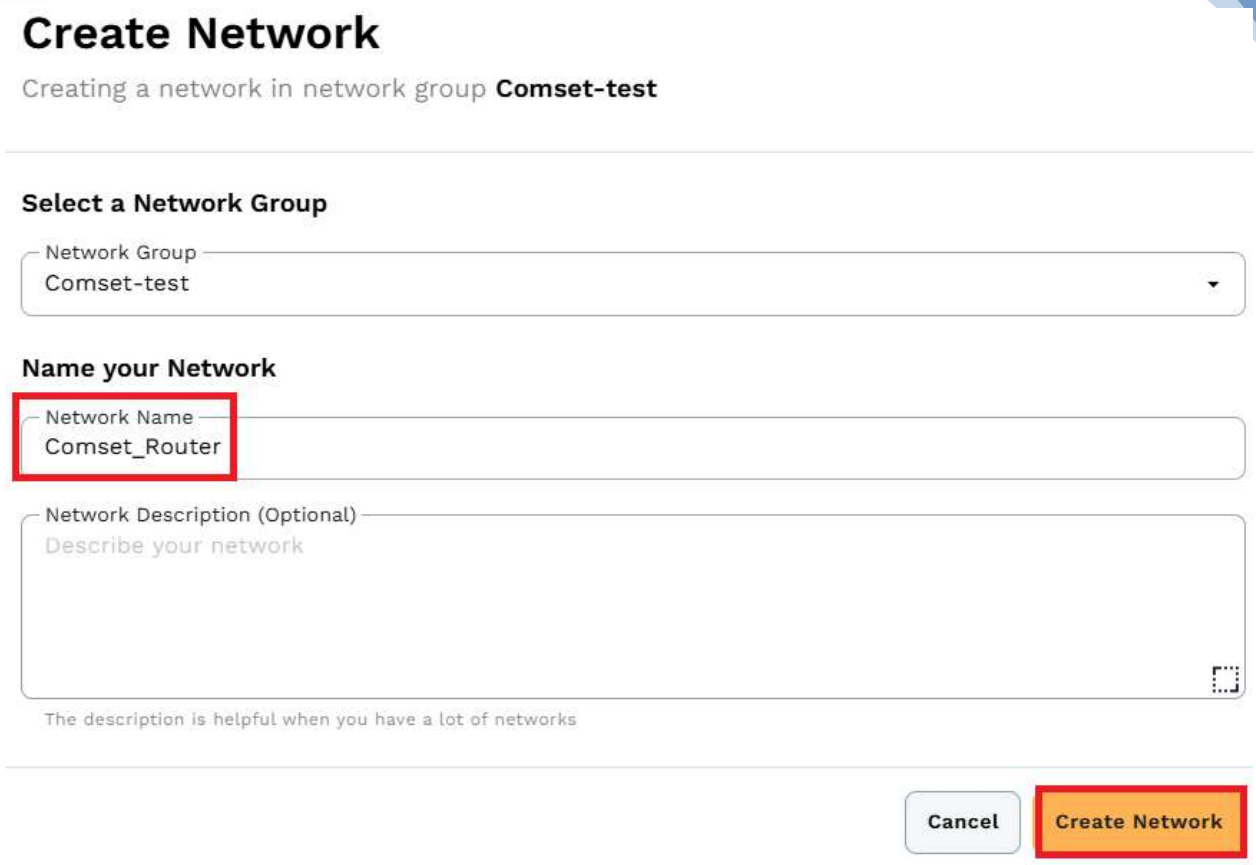
1. Register and log in to your Zerotier VPN account - https://www.zerotier.com/.
2. Create a Network Group. See screenshots below.



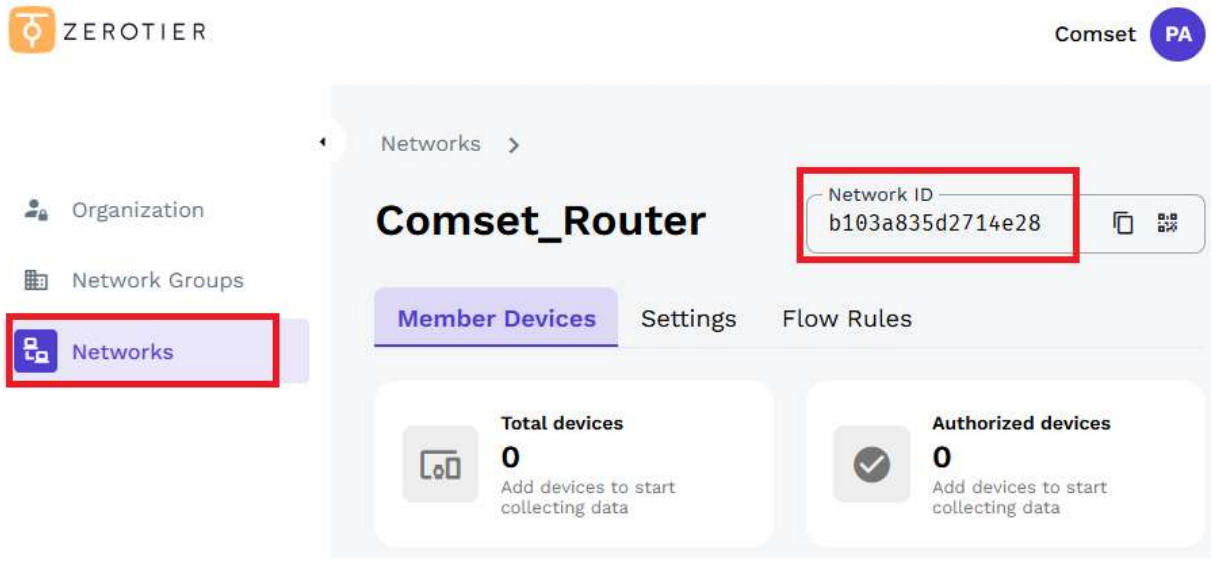


3. Create a Network. This will generate a Network ID that will be assigned to all Zerotier VPN routers.

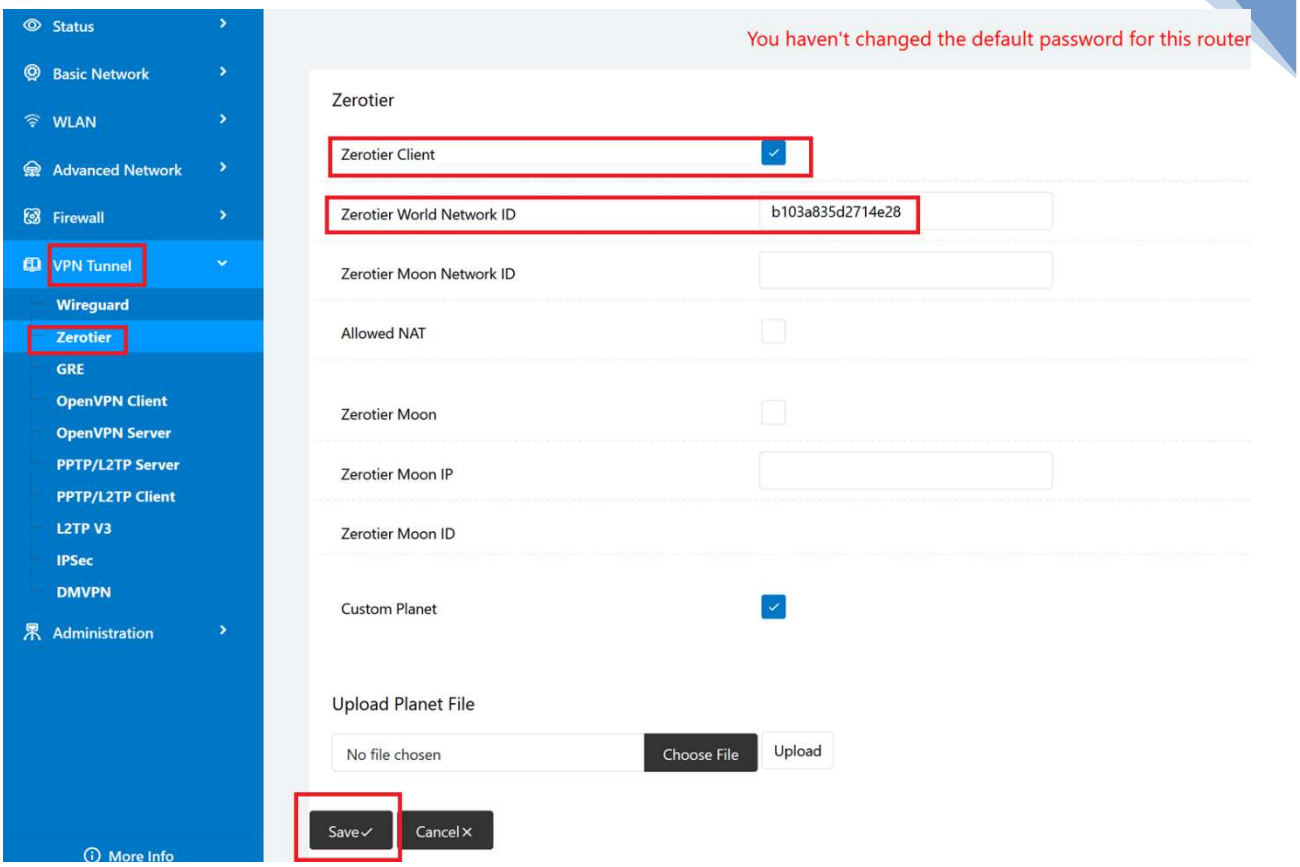




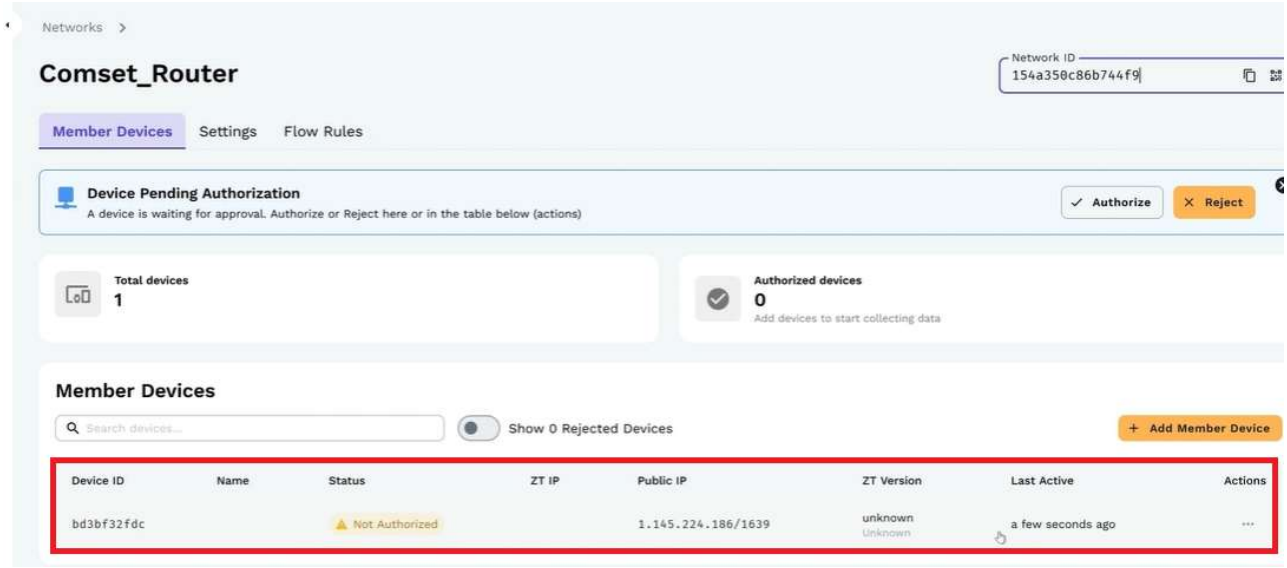
4. Click Network page and check Network ID. See below.



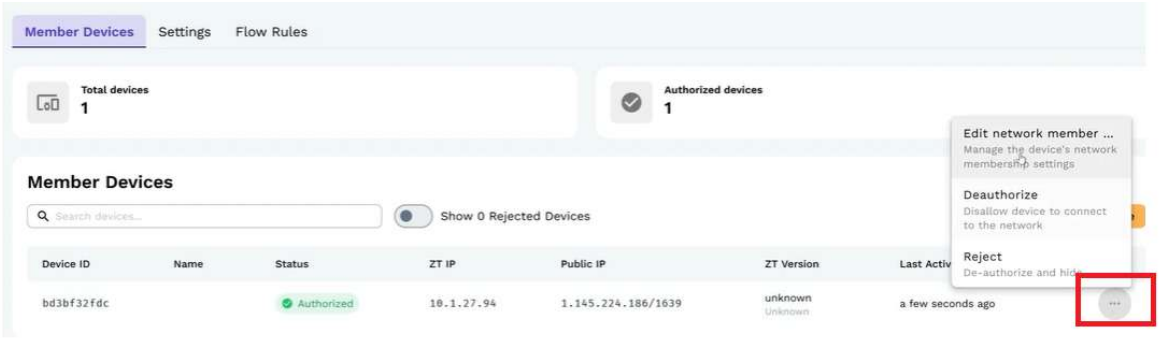
5. Go to CM550W web GUI page on Zerotier settings and copy/paste Network ID to request authorization to join VPN Private Network. See below:



6, Go to your Zerotier account and "**authorize**" new device. See below:



Click on the three dotted line at the right-side corner of the device to "authorize" the new device. See screenshot below:



Click on the Three dotted line to click Authorize to allow permission.

7. Check Network page to confirm new device is “Authorized”.

8. Save and copy assigned Zerotier IP address on new device.

9. Do the same procedure on the second remote router. Copy and paste the same Network ID on CM550W (remote) Zerotier settings and authorize new device.

10. Check Network page to view authorized Zerotier VPN devices.

11. You should now be able to access both CM550W routers (local and remote) web GUI page via its assigned Zerotier IP address.

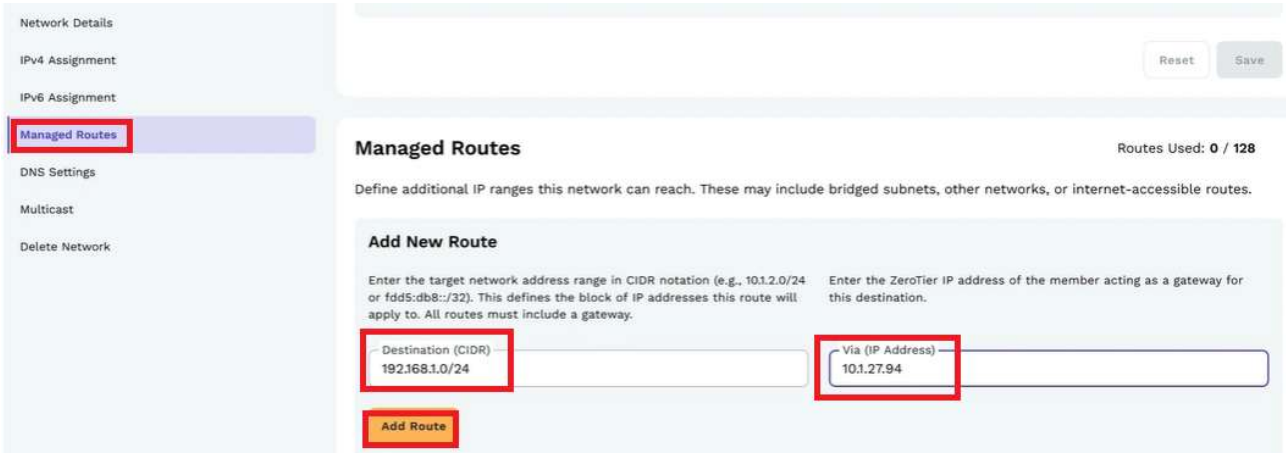
12. To access devices behind the CM550W remote router via Local IP address, you need to add routes via its assigned Zerotier IP address.

Go to Network page -> Settings -> Manage Routes.

For CM550W (local)

IP local subnet: 192.168.1.0/24 **Zerotier IP address:10.1.27.94**

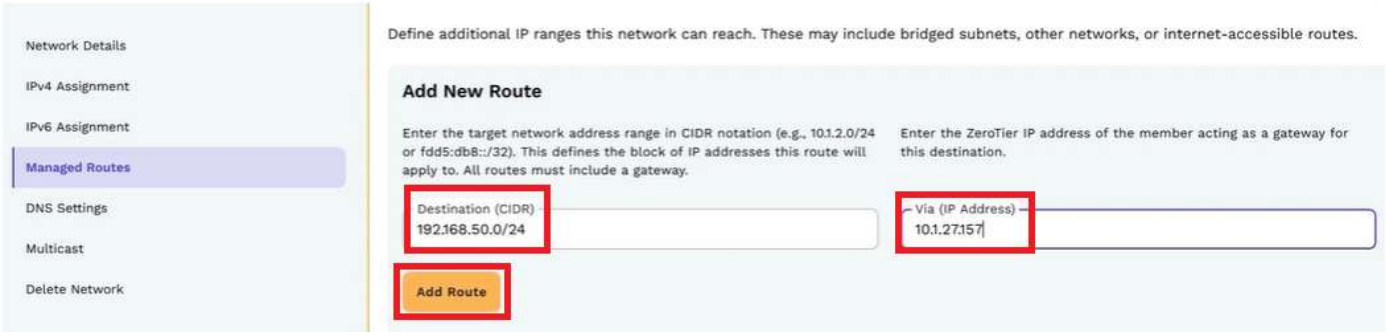
Add new route as shown below.



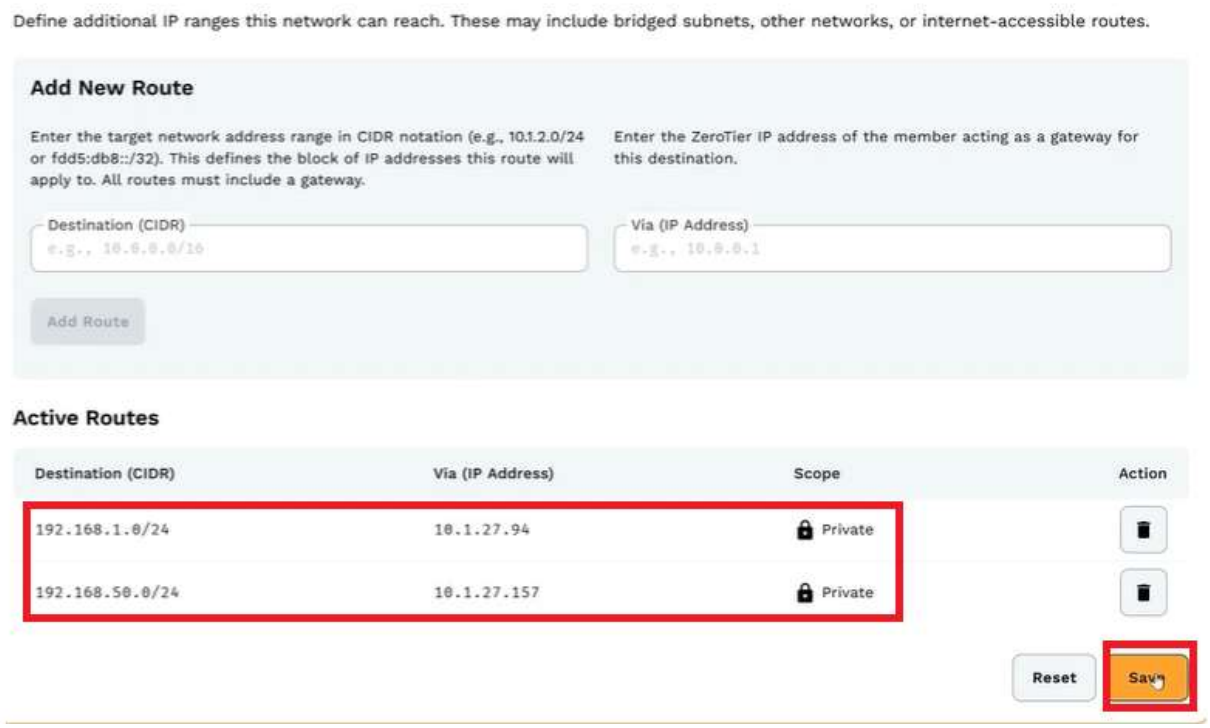
For CM550W (Remote)

IP Local subnet 192.168.50.0/24 **Zerotier IP address:10.1.27.157**

Add new route as shown below.

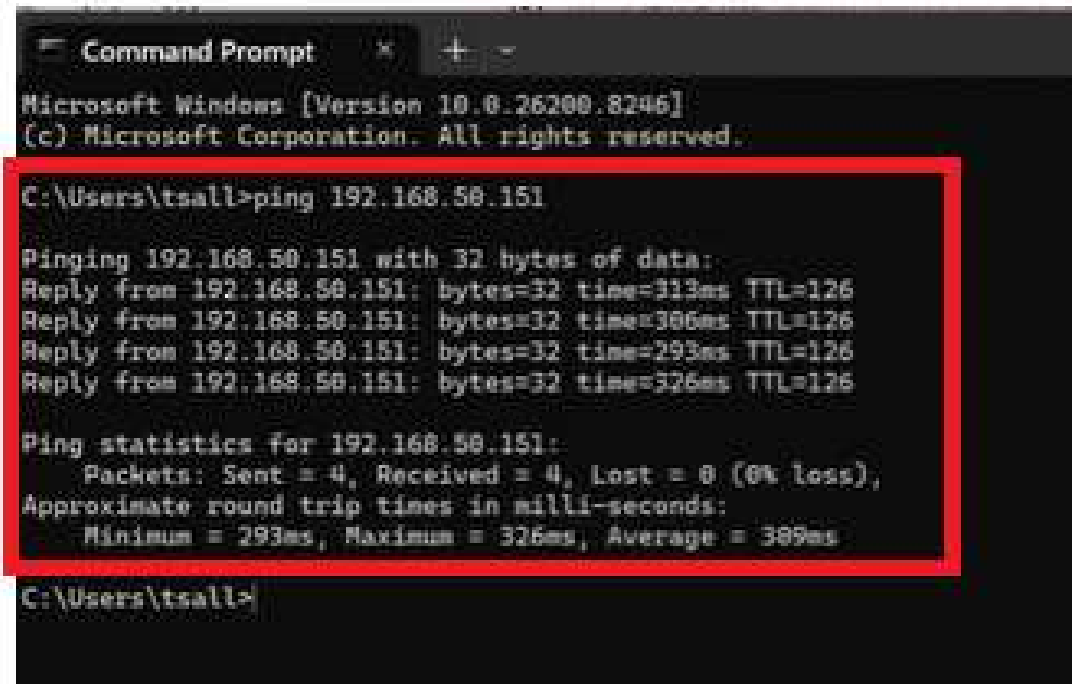


Save newly added route, as shown below:



11. After adding routes on both routers via assigned Zerotier IP address, you should now be able to access any network device behind the routers using their local IP address.

12. Below is a sample screenshot of successful command “Ping Test” from Laptop connected to CM550W (Local) to the remote laptop (IP address:192.168.50.151) connected to CM550W (Remote).


Command Prompt
Microsoft Windows [Version 10.0.26200.8246]
(c) Microsoft Corporation. All rights reserved.
C:\Users\tsall>ping 192.168.50.151
Pinging 192.168.50.151 with 32 bytes of data:
Reply from 192.168.50.151: bytes=32 time=313ms TTL=126
Reply from 192.168.50.151: bytes=32 time=306ms TTL=126
Reply from 192.168.50.151: bytes=32 time=293ms TTL=126
Reply from 192.168.50.151: bytes=32 time=326ms TTL=126
Ping statistics for 192.168.50.151:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 293ms, Maximum = 326ms, Average = 309ms
C:\Users\tsall>