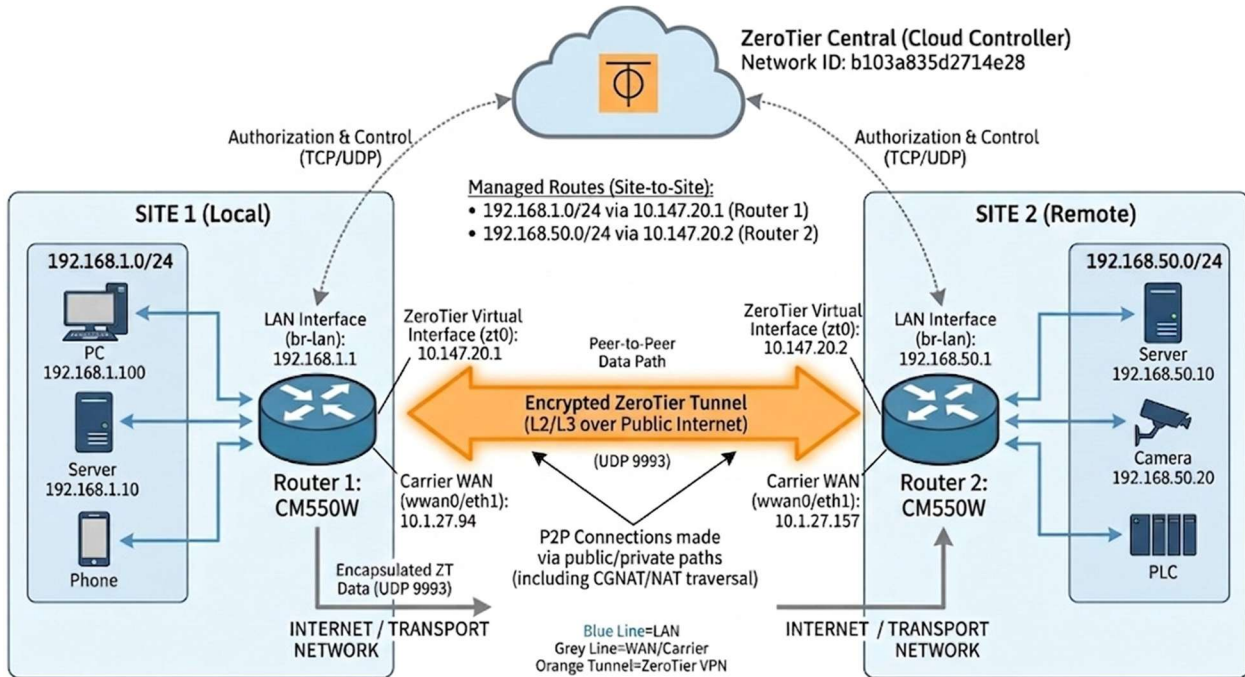
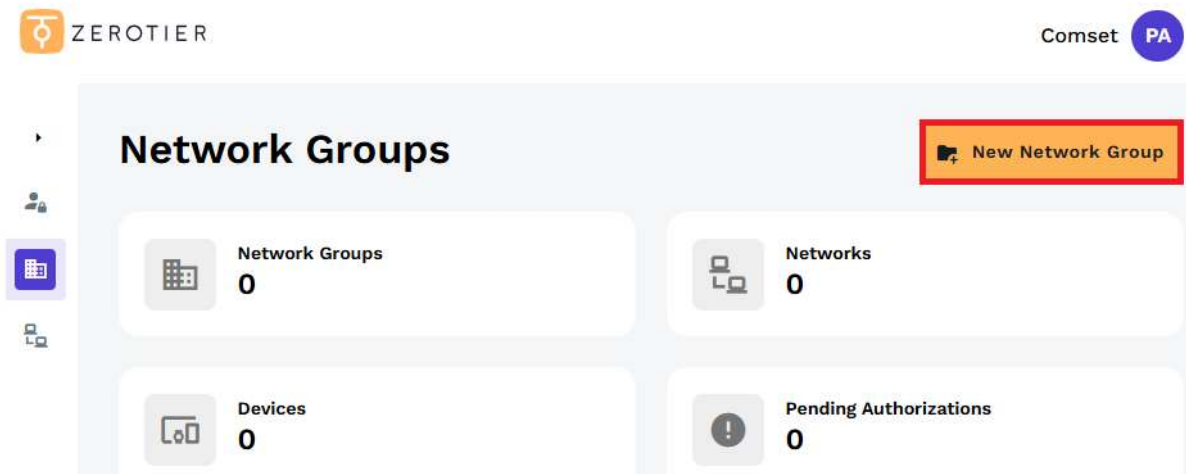


How to setup ZeroTier VPN on the Comset CM550W Router

Network Topology



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



Create a Network Group

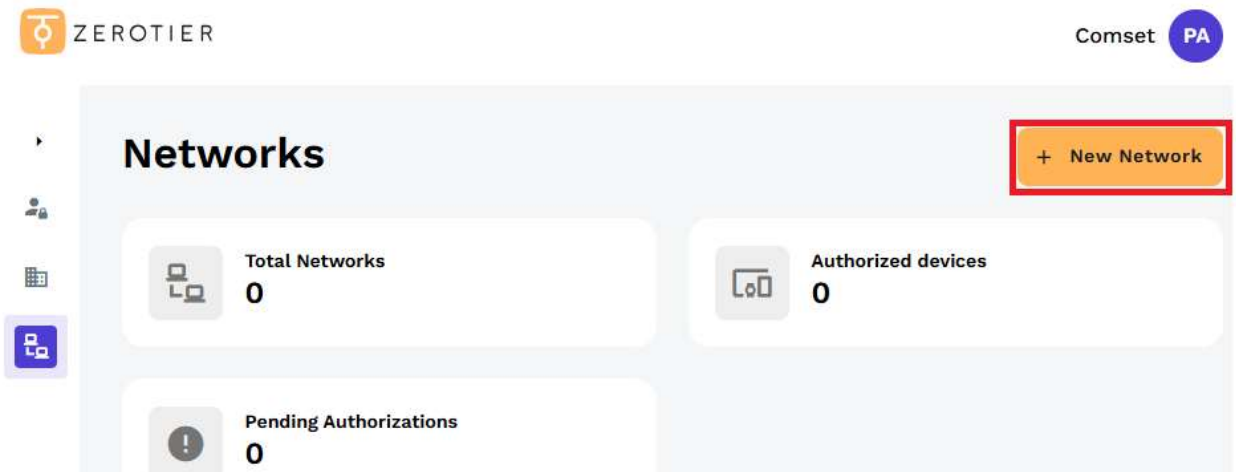
Name your network group

Network Group Name

Network Group Description (Optional)
Describe your network group

The description is helpful when you have a lot of network groups




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



ZEROTIER Comset PA

Networks

[+ New Network](#)

 Total Networks 0	 Authorized devices 0
 Pending Authorizations 0	

Create Network

Creating a network in network group **Comset-test**

Select a Network Group

Network Group
Comset-test

Name your Network

Network Name
Comset_Router

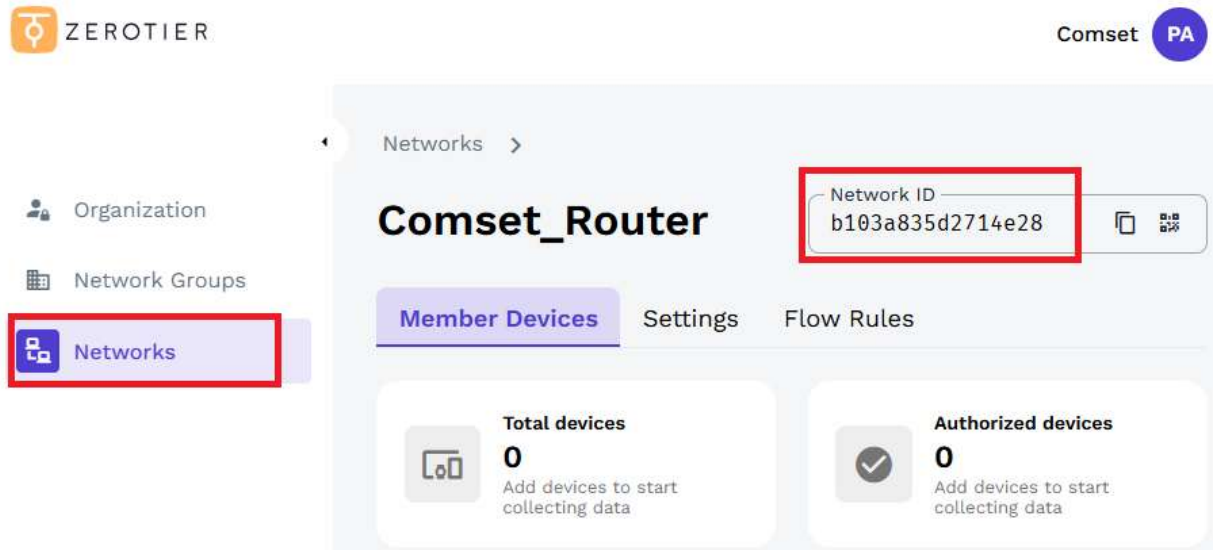
Network Description (Optional)
Describe your network

The description is helpful when you have a lot of networks

Cancel

Create Network

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



ZEROTIER Comset PA

Networks >

Comset_Router Network ID: b103a835d2714e28

Member Devices Settings Flow Rules

Total devices
0
Add devices to start collecting data

Authorized devices
0
Add devices to start collecting data

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:

You haven't changed the default password for this router

Status >

Basic Network >

WLAN >

Advanced Network >

Firewall >

VPN Tunnel >

Wireguard

Zerotier

GRE

OpenVPN Client

OpenVPN Server

PPTP/L2TP Server

PPTP/L2TP Client

L2TP V3

IPSec

DMVPN

Administration >

More Info

Zerotier

Zerotier Client

Zerotier World Network ID

Zerotier Moon Network ID

Allowed NAT

Zerotier Moon

Zerotier Moon IP

Zerotier Moon ID

Custom Planet

Upload Planet File

No file chosen

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

Networks >

Comset_Router Network ID: 154a350c86b744f9

Member Devices Settings Flow Rules

Device Pending Authorization
A device is waiting for approval. Authorize or Reject here or in the table below (actions)

Total devices **1** Authorized devices **0**
Add devices to start collecting data

Member Devices

Show 0 Rejected Devices

Device ID	Name	Status	ZT IP	Public IP	ZT Version	Last Active	Actions
bd3bf32fdc		⚠ Not Authorized		1.145.224.186/1639	unknown <small>Unknown</small>	a few seconds ago	⋮

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”.

Device ID	Name	Status	ZT IP	Public IP	ZT Version	Last Active
bd3bf32fdc	CM685V-4 (local)	Authorized	10.1.27.94	1.145.224.186/1639	v1.8.6 Unknown	a minute ago

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.

Device ID	Name	Status	ZT IP	Public IP	ZT Version	Last Active
bd3bf32fdc	CM550W (local)	Authorized	10.1.27.94	1.145.224.186/1639	unknown Unknown	a minute ago
ec17dab14e	CM550W (remote)	Authorized	10.1.27.157	1.136.107.77/49611	unknown Unknown	a few seconds ago

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.

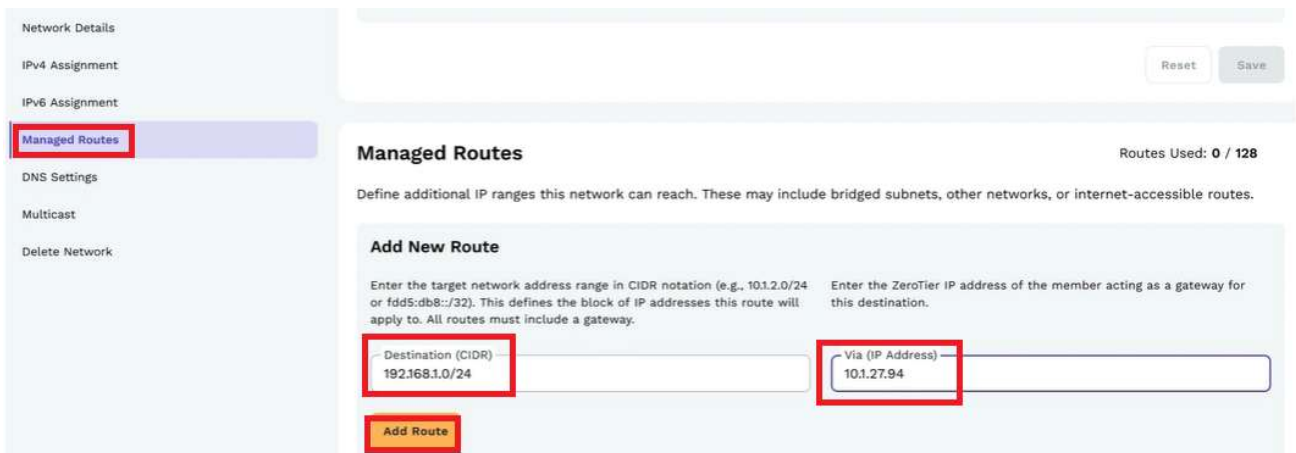
Go to Network page -> Settings -> Manage Routes.

For CM550W (local)

IP local subnet: 192.168.1.0/24

ZeroTier IP address: 10.1.27.94

Add new route as shown below.



Network Details

IPv4 Assignment

IPv6 Assignment

Managed Routes

DNS Settings

Multicast

Delete Network

Reset Save

Managed Routes

Routes Used: 0 / 128

Define additional IP ranges this network can reach. These may include bridged subnets, other networks, or internet-accessible routes.

Add New Route

Enter the target network address range in CIDR notation (e.g., 10.1.2.0/24 or fdd5:db8::/32). This defines the block of IP addresses this route will apply to. All routes must include a gateway.

Enter the ZeroTier IP address of the member acting as a gateway for this destination.

Destination (CIDR)
192.168.1.0/24

Via (IP Address)
10.1.27.94

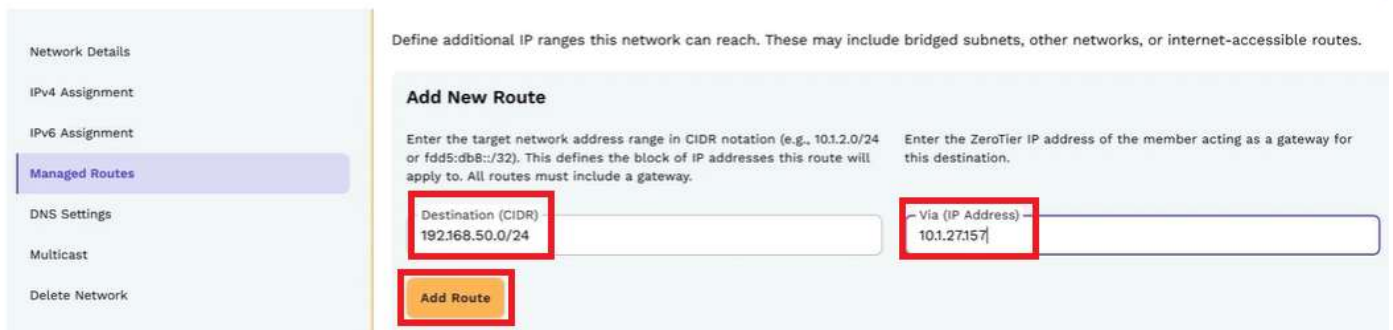
Add Route

For CM550W (Remote)

IP Local subnet 192.168.50.0/24

ZeroTier IP address: 10.1.27.157

Add new route as shown below.



Network Details

IPv4 Assignment

IPv6 Assignment

Managed Routes

DNS Settings

Multicast

Delete Network

Managed Routes

Define additional IP ranges this network can reach. These may include bridged subnets, other networks, or internet-accessible routes.

Add New Route

Enter the target network address range in CIDR notation (e.g., 10.1.2.0/24 or fdd5:db8::/32). This defines the block of IP addresses this route will apply to. All routes must include a gateway.

Enter the ZeroTier IP address of the member acting as a gateway for this destination.

Destination (CIDR)
192.168.50.0/24

Via (IP Address)
10.1.27.157

Add Route

Save newly added route, as shown below:

Define additional IP ranges this network can reach. These may include bridged subnets, other networks, or internet-accessible routes.

Add New Route

Enter the target network address range in CIDR notation (e.g., 10.1.2.0/24 or fdd5:db8::/32). This defines the block of IP addresses this route will apply to. All routes must include a gateway.

Enter the ZeroTier IP address of the member acting as a gateway for this destination.

Destination (CIDR)
e.g., 10.0.0.0/16

Via (IP Address)
e.g., 10.0.0.1

Add Route

Active Routes

Destination (CIDR)	Via (IP Address)	Scope	Action
192.168.1.0/24	10.1.27.94	Private	
192.168.50.0/24	10.1.27.157	Private	

Reset Save

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>
```