

Emergency Calling - 01 - Trusted IP Addresses

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Overview

This article covers the process to add public IP addresses (IPv4 & IPv6) to the Teams Trusted IP Address list. The trusted IP address list is used by the Teams client to determine if the user's device is on the corporate network.

NOTE

If you obfuscate your public IP addresses internally by using a proxy or other service, you cannot configure emergency calling. The Teams client uses public IP addresses to determine whether it is located on the corporate network.

Add a Trusted IP Address

Teams Admin Center

In the Teams Admin Center, browse to: **Locations > Network Topology > Trusted IPs** (tab)

Click **Add**, and in the fly-out window, enter the following:

- IP Version: IPv4 or IPv6
- IP Address
- Network Range (CIDR)
- Description

Add trusted IP address


Enter the number of bits that are used to determine the network range or ID. You can also figure out the number of bits needed here if you have the subnet mask.

IP version

IPv4

IP address

X.X.X.X

Network range 

Put in a number between 0-32.

Description

Add trusted IP address

Enter the number of bits that are used to determine the network range or ID. You can also figure out the number of bits needed here if you have the subnet mask.

IP version

IPv6

IP address

x:x:x:x:x:x

Network range ⓘ

Put in a number between 0-128.

Description

PowerShell

Trusted IP Address Commands

- [New-CsTenantTrustedIPAddress](#)
- [Get-CsTenantTrustedIPAddress](#)
- [Set-CsTenantTrustedIPAddress](#)
- [Remove-CsTenantTrustedIPAddress](#)

PowerShell examples to add IPv4 & IPv6 trusted IP addresses.

```
# Define the IPv4 Trusted IP Address Properties
$IpAddrProperties = @{

    Description = "East Coast HQ"
    IPAddress   = "8.8.8.8"
    MaskBits    = 32
}

# Add the new Trusted IP Address
New-CsTenantTrustedIPAddress @IpAddrProperties
```

```
# Define the IPv6 Trusted IP Address Properties
$IpAddrProperties = @{

    Description = "East Coast HQ"
    IPAddress   = "2001:4860:4860::8888"
    MaskBits    = 128
}

# Add the new Trusted IP Address
New-CsTenantTrustedIPAddress @IpAddrProperties
```