



- On the '**Servers**'-Tab click on the '**+ Add**'-button to add a new server

OpenVPN / Servers / Edit

Servers Clients Client Specific Overrides Wizards

General Information

Disabled Disable this server
Set this option to disable this server without removing it from the list.

Server mode Peer to Peer (Shared Key)

Protocol UDP

Device mode tun

Interface WAN

Local port 1194

Description Site_To_Site-SITE-A_SITE_B
A description may be entered here for administrative reference (not parsed).

Cryptographic Settings

Shared key Automatically generate a shared key

Encryption Algorithm AES-256-CBC (256 bit key, 128 bit block)

Auth digest algorithm RSA-SHA512 (512-bit)
Leave this set to SHA1 unless all clients are set to match. SHA1 is the default for OpenVPN.

Hardware Crypto No Hardware Crypto Acceleration

Tunnel Settings

IPv4 Tunnel Network 10.4.10.0/30
This is the IPv4 virtual network used for private communications between this server and client hosts expressed using CIDR (e.g. 10.0.8.0/24). The first network address will be assigned to the server virtual interface. The remaining network addresses can optionally be assigned to connecting clients (see Address Pool).

IPv6 Tunnel Network
This is the IPv6 virtual network used for private communications between this server and client hosts expressed using CIDR (e.g. fe80::/54). The first network address will be assigned to the server virtual interface. The remaining network addresses can optionally be assigned to connecting clients (see Address Pool).

IPv4 Remote network(s) 10.3.2.0/24
IPv4 networks that will be routed through the tunnel, so that a site-to-site VPN can be established without manually changing the routing tables. Expressed as a comma-separated list of one or more CIDR ranges. If this is a site-to-site VPN, enter the remote LAN/s here. May be left blank for non site-to-site VPN.

IPv6 Remote network(s)
These are the IPv6 networks that will be routed through the tunnel, so that a site-to-site VPN can be established without manually changing the routing tables. Expressed as a comma-separated list of one or more IP/PREFIX. If this is a site-to-site VPN, enter the remote LAN/s here. May be left blank for non site-to-site VPN.

Concurrent connections 1
Specify the maximum number of clients allowed to concurrently connect to this server.

Compression Enabled with Adaptive Compression
Compress tunnel packets using the LZO algorithm. Adaptive compression will dynamically disable compression for a period of time if OpenVPN detects that the data in the packets is not being compressed efficiently.

Type-of-Service Set the TOS IP header value of tunnel packets to match the encapsulated packet value.

Duplicate Connection Allow multiple concurrent connections from clients using the same Common Name.
(This is not generally recommended, but may be needed for some scenarios.)

Disable IPv6 Don't forward IPv6 traffic.

Advanced Configuration

Custom options
Enter any additional options to add to the OpenVPN server configuration here, separated by semicolon.
EXAMPLE: push "route 10.0.0.0 255.255.255.0"

Verbosity level default
Each level shows all info from the previous levels. Level 3 is recommended for a good summary of what's happening without being swamped by output.
None: Only fatal errors
Default through 4: Normal usage range
5: Output R and W characters to the console for each packet read and write. Uppercase is used for TCP/UDP packets and lowercase is used for TUN/TAP packets.
6-11: Debug info range

Save

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- In the 'General Information'-section:
 - **Disable this server:**
 - **Server mode:** Peer to Peer (Shared Key)
 - **Protocol:** UDP
 - **Device Mode:** tun
 - **Interface:** set it to whatever external interface you want to have your OpenVPN server listening on. In my case this is 'WAN'.
 - **Local port:** set it to the port you want the local OpenVPN server to listen on. Default is '1194'.
 - **Description:** Set an appropriate description e.g. 'Site_To_Site-SITE-A_SITE_B'
- In the 'Cryptographic Settings'-section:
 - **Automatically generate a shared key:** ????
 - **Encryption Algorithm:** AES-256-CBC (256 bit key, 128 bit block)
 - **Auth digest algorithm:** RSA-SHA512 (512-bit)
 - **Hardware Crypto:** No Hardware Crypto Acceleration (this is PC Engines APU specific, if your hardware has crypto support - enable it)
- In the 'Tunnel Settings'-Section:
 - IPv4 Tunnel Network: 10.4.10.0/30 (this is a very small subnet with 2 useable IP addresses since there is only one server and one client)
 - IPv6 Tunnel Network: leave empty
 - IPv4 Remote network(s): 10.3.2.0/24 (this is a comma separated list for all the networks you want to connect to on the client side (SITE A))
 - IPv6 Remote network(s): leave empty
 - Concurrent connections: 1
 - Compression: Enabled with Adaptive Compression
 - Type-of-Service: Set the TOS IP header value of tunnel packets to match the encapsulated packet value
 - Duplicate Connection: Allow multiple concurrent connections from clients using the same Common Name
 - Disable IPv6: ????. Don't forward IPv6 traffic
- In the 'Advanced Configuration'-section:
 - Custom options: leave empty
 - Verbosity Level: default
- Click on 'Save'-button

You should now be forwarded to the list with your configured OpenVPN servers under 'VPN - OpenVPN' on the 'Servers'-tab

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