

Public IP for the client

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Announcing a Proper IP Address Pool

To use public IP addresses for VPN clients in PUQVPNCP (WireGuard), the first step is to have a properly announced IP address pool. Public IP addresses must be allocated and reserved for the VPN clients. Ensure that the IP addresses you allocate are not already in use on the public internet to prevent conflicts.

Routing the IP Address Pool to the WireGuard Server

Once you have a pool of public IP addresses, you need to route this pool to the PUQVPNCP (WireGuard) server. This is crucial for establishing connectivity between the clients and the server. You can achieve this through various routing methods, such as static routes, OSPF (Open Shortest Path First), BGP (Border Gateway Protocol), or any other routing protocol of your choice. The goal is to make sure that traffic destined for the public IP addresses allocated to VPN clients is directed to the PUQVPNCP (WireGuard) server.

Disabling NAT in PUQVPNCP (WireGuard) Settings

To ensure that outgoing traffic from VPN clients uses the correct public IP addresses, you need to disable NAT (Network Address Translation) in the PUQVPNCP (WireGuard) settings. NAT is a technique used to map private IP addresses to a public IP address, typically done on routers or gateways. However, when using public IP addresses for VPN clients, you want the traffic to flow directly without any address translation.

Dashboard

VPN servers

VPN accounts

Settings

About us

WireGuard / Edit WireGuard

Save

Set Bandwidth

Port forwarding

Name

public_ip

Interface name

wg2

Private key

CKfeWY7boCgyvWQvKUYGPhniTJsK

Public key

bCmb273+V7E9IWsd9ubkQy77LZSLDB3nLjNLrFtcWCY=

Port

51822

External IP

77.87.125.200

IP/MASK

77.87.125.112/28

Internal Traffic

ACCEPT

Disable NAT

YES

DNS 1

77.87.125.10

DNS 2

77.87.125.20

IPv6

NO

IPv6/MASK

::/0

DNS 1 IPv6

::

DNS 2 IPv6

::

Peers configuration

Bandwidth download (in M) per peer

5

Bandwidth unload (in M) per peer

Public key

bCmb273+V7E9IWsd9ubkQy77LZSLDB3nLjNLrFtcWCY=

Firewall Nat

error

Firewall Filter

77.87.125.112/28 -> 77.87.125.112/28 ACCEPT Pkt:0 Bytes:0

Traffic Control

qdisc htb 1: root refcnt 2 r2q 10 default 0 direct_packets_stat 3651 direct_q
Sent 445955 bytes 6944 pkt (dropped 0, overlimits 0 requeues 0)
backlog 0b 0p requeues 0

Name	Status	IP
peer_3	Enable	77.87.125.114

Conclusion

Configuring public IP addresses for PUQVPNCP (WireGuard) VPN clients is a technical process that involves proper IP address allocation, routing configuration, and disabling NAT. By following these steps, you can create a secure and efficient VPN network with PUQVPNCP (WireGuard) that allows clients to use public IP addresses, meeting the specific requirements of your network setup.

PUQVPNCP, based on the WireGuard protocol, provides a powerful and secure solution for VPN services. Correctly configuring public addresses for clients ensures that your network operates smoothly and securely, leveraging the simplicity and performance of the WireGuard protocol.

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