Remote Worker Connectivity - Mesh VPN

Remote Worker

Cloud VPC

.11
::11

OPNsense

FRROUTING

Physical DC

.12
::12

OPNsense

FRROUTING

ZT Cloud Controller

IPv4/IPv6 Internet Underlay

Mesh VPN Overlay
ZeroTier Subnet

Campus

.13
::13

OPNsense

FRROUTING

.101 to .103
::101 to ::103

IPv4 - 100.125.0.0/16
IPv6 - 2001:db8:200::/48

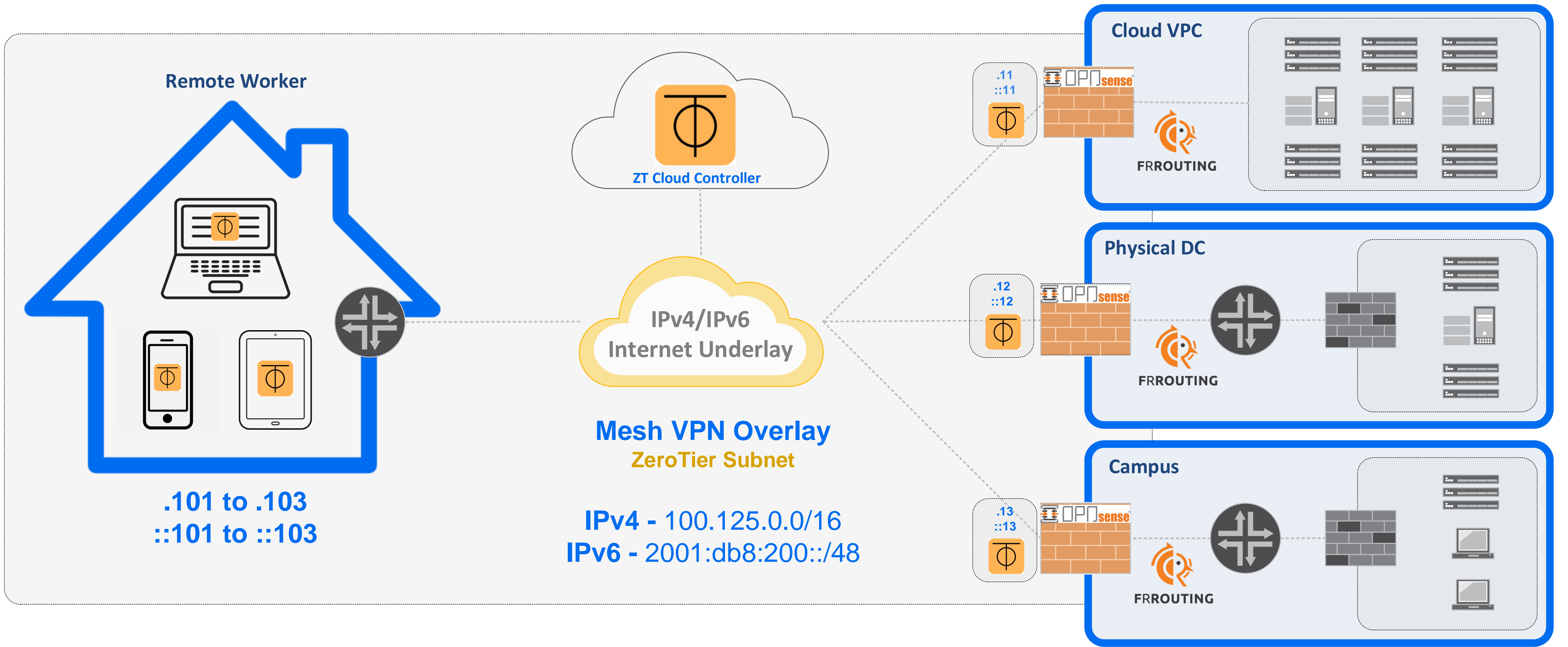
ZeroTier
Provides certificate-based connectivity, scalability and security using 256 bit encryption keys (Curve25519/Ed25519) managed by a cloud controller.

Solution component – Creates the mesh VPN overlay to connect remote workers and provides endpoint security policy

OPNSense
An open source firewall package based on FreeBSD with a wide range of plugins like ZeroTier and FRRouting to create a flexible L3 security solution for Cloud, DC or Campus.

Solution component – Ties ZeroTier and FRRouting together and adds a security policy layer.

Free Range Routing
FRRouting is a fork of Quagga that provides a linux-based routing stack to connect devices at L3 with protocols like OSPF and BGP.

Solution component – Advertises ZeroTier subnets into Cloud, DC or Campus via BGP or OSPF