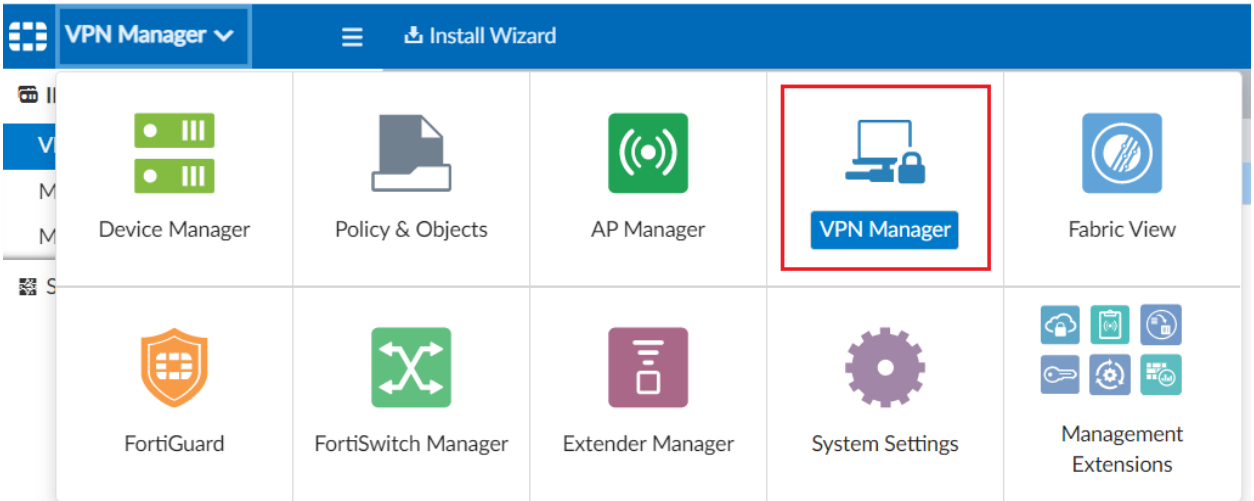
VPN Setup:

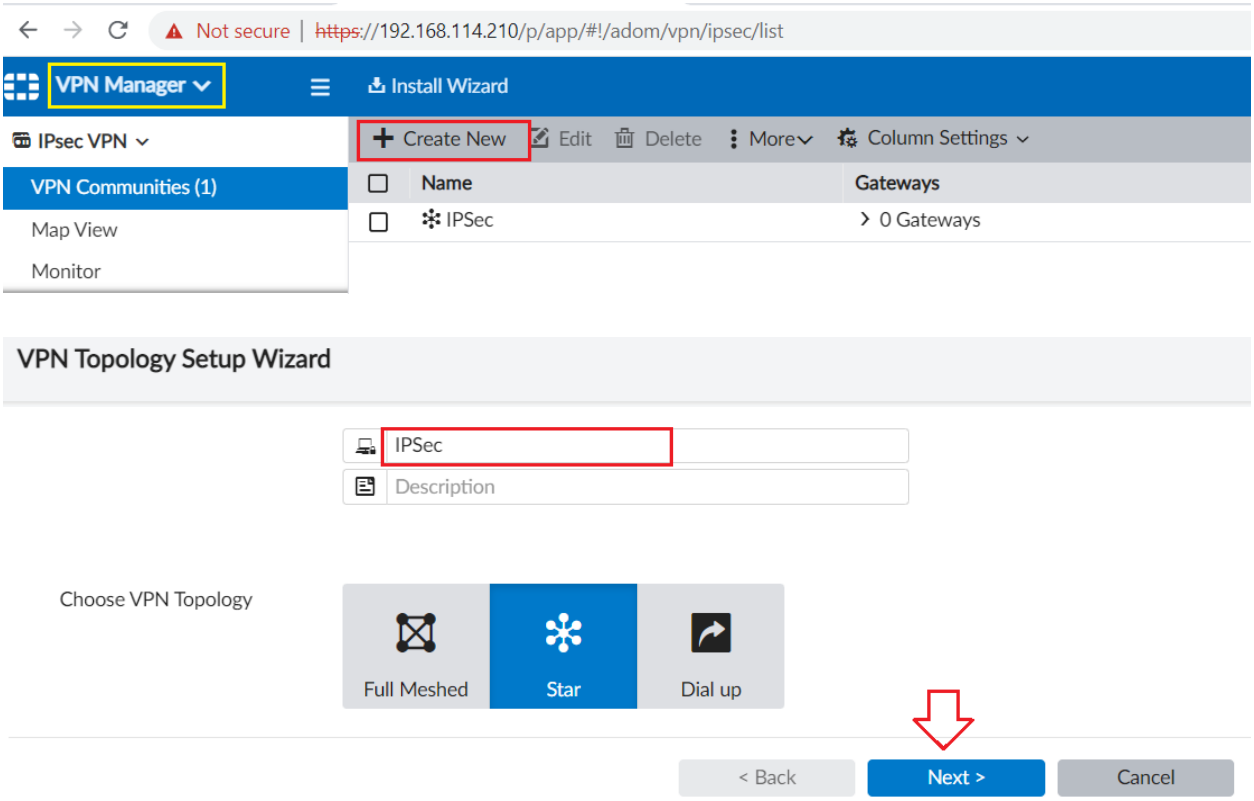
Create VPN Community:

You may create Full-Meshed, Star, and Dial-Up IPsec VPN Communities. IPsec VPN Communities are also sometimes called VPN topologies. We create a Star Topology with a hub and a spoke:

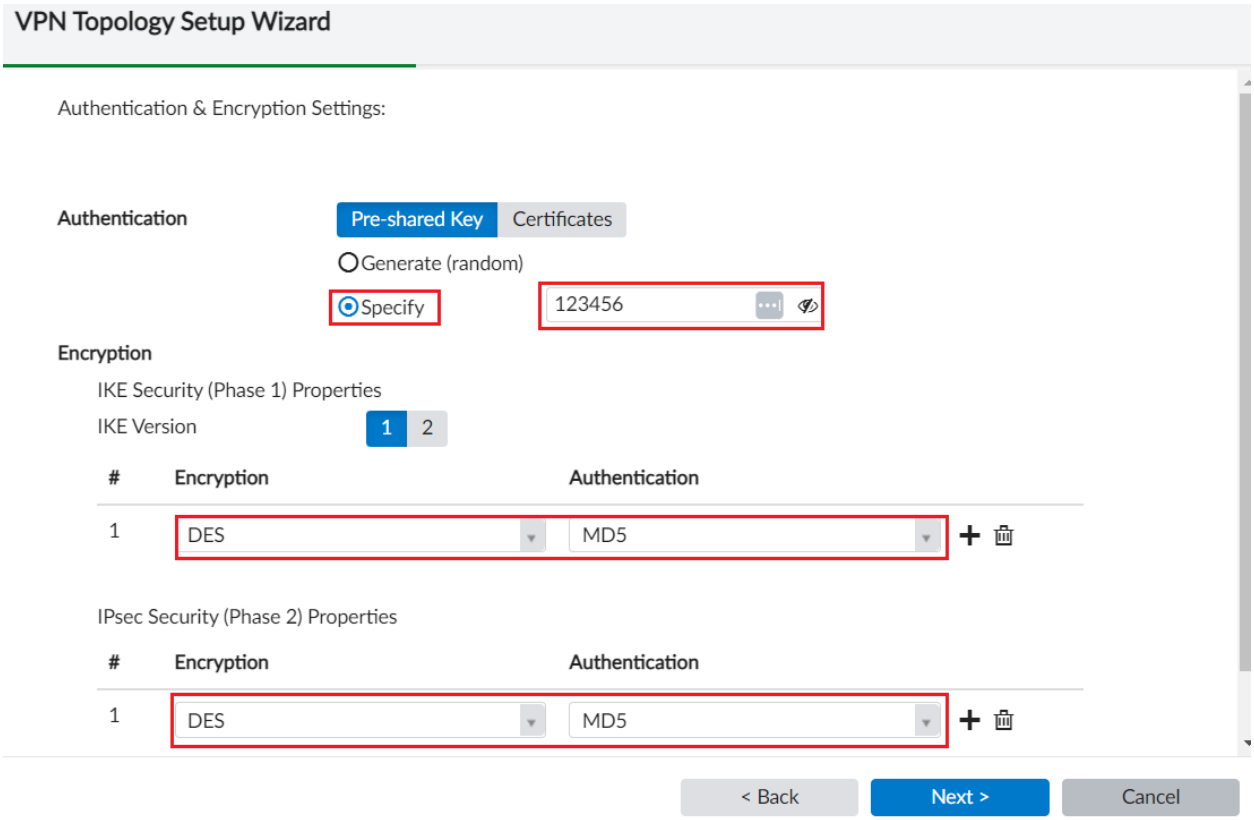
Go to VPN Manager > IPsec VPN.

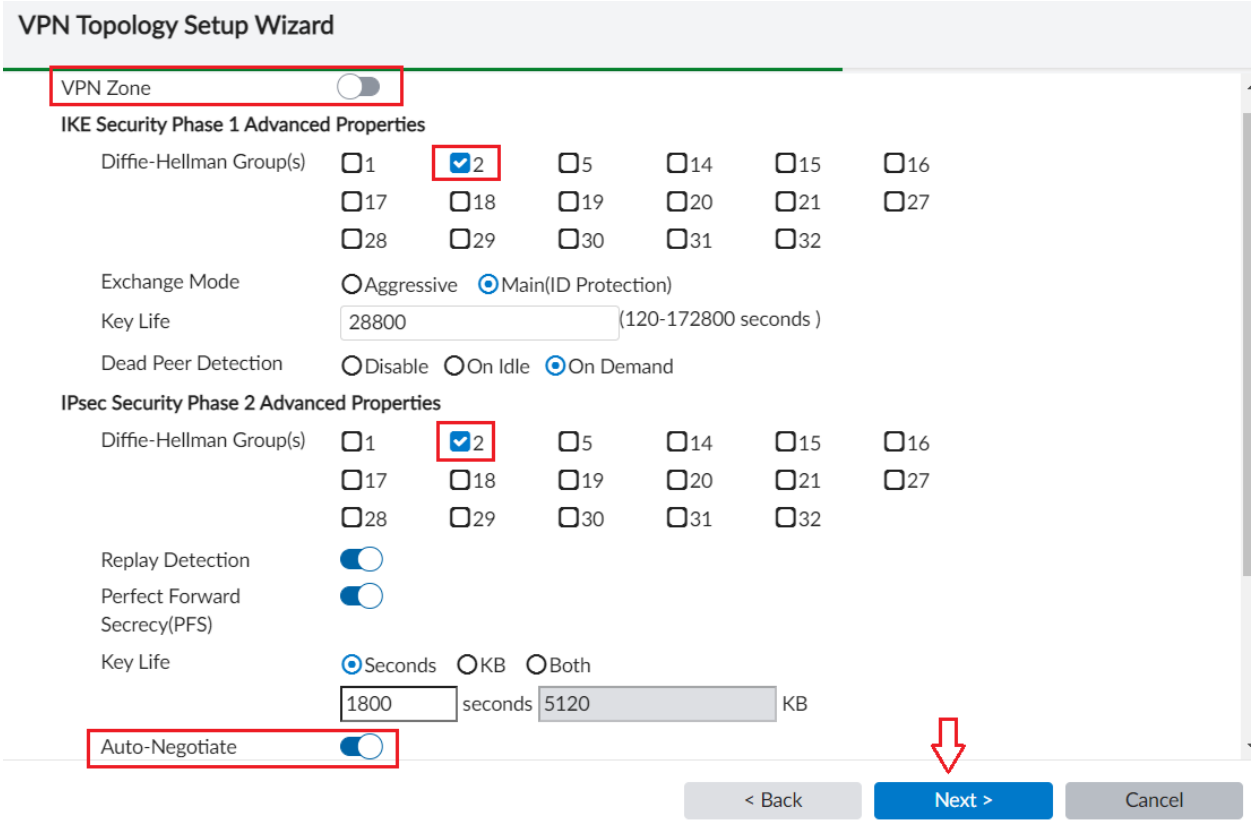


In the toolbar, click Create New. The VPN Topology Setup Wizard dialog appears. Enter a name for the topology, In the Choose VPN topology field, Select Star Click Next.

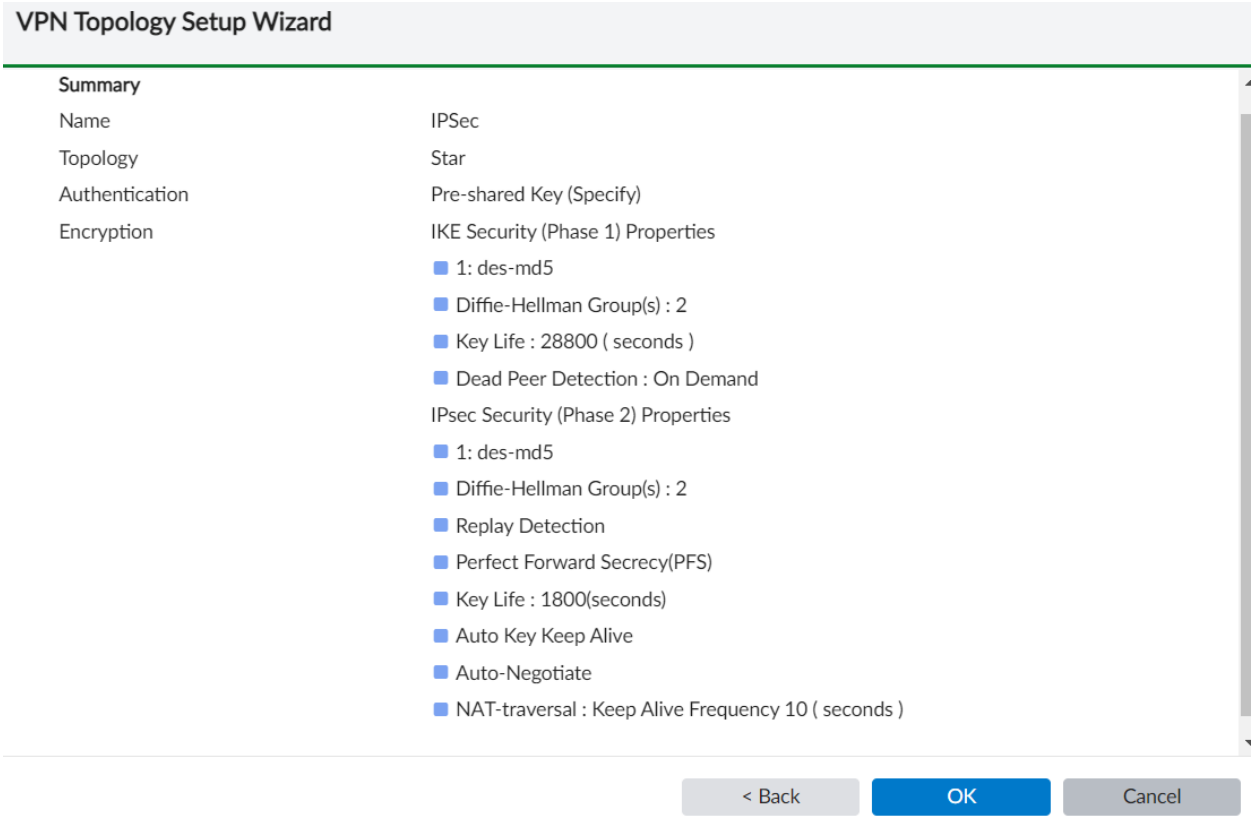


Configure Phase 1 and Phase 2 according to your requirements.



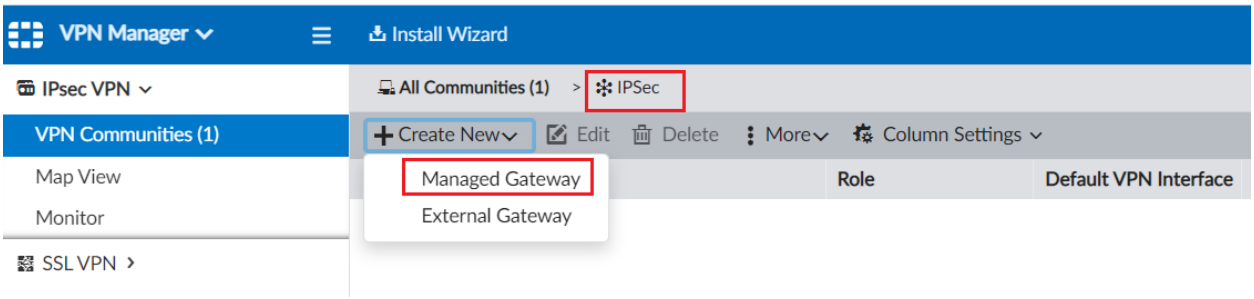


Finally, Phase 1 and Phase 2 details are configured click OK.

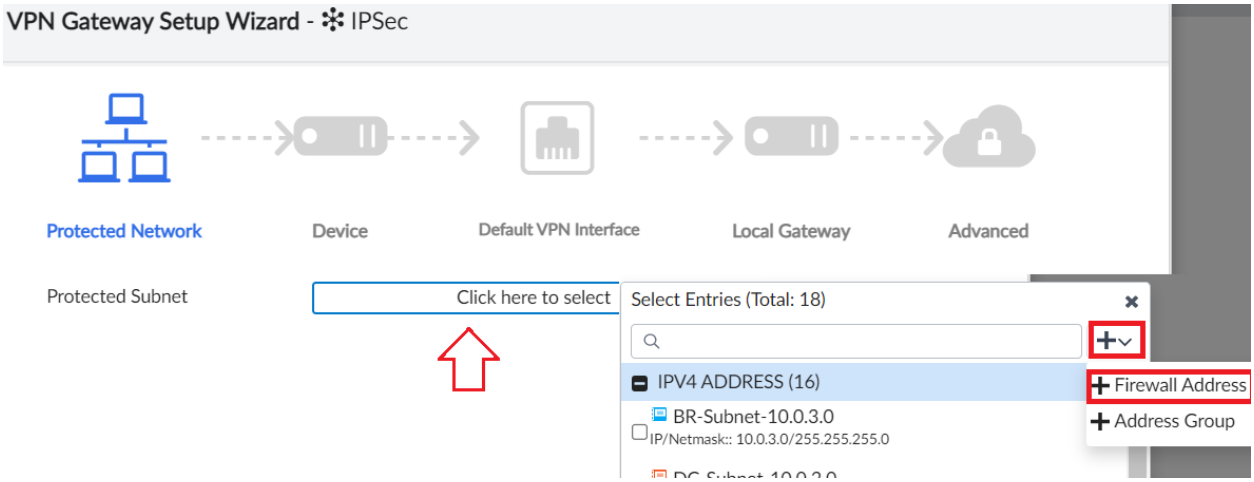


Create IPSEC VPN Gateways:

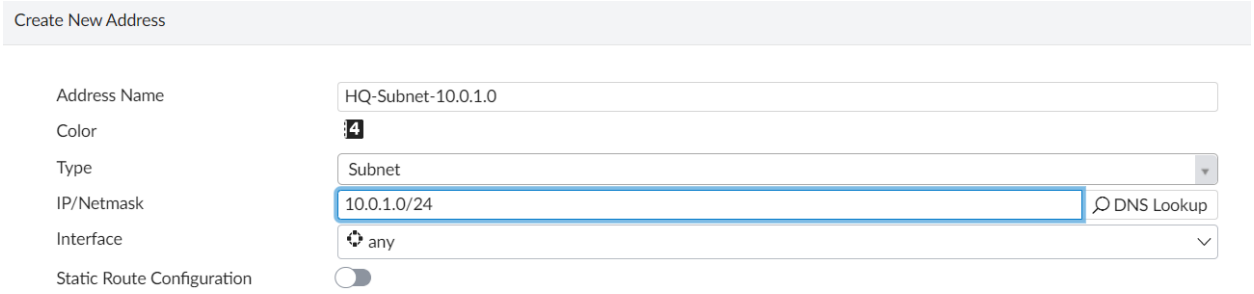
A VPN gateway functions as one end of a VPN tunnel. It receives incoming IPsec packets, decrypts the encapsulated data packets, then passes the data packets to the local network. It also encrypts, encapsulates, and sends the IPsec data packets to the gateway at the other end of the VPN tunnel. The IP address of a VPN gateway is usually the IP address of the network interface that connects to the Internet. Go to VPN Manager > IPsec VPN. In the tree menu, IPsec, In the toolbar, click Create New > Managed Gateway.



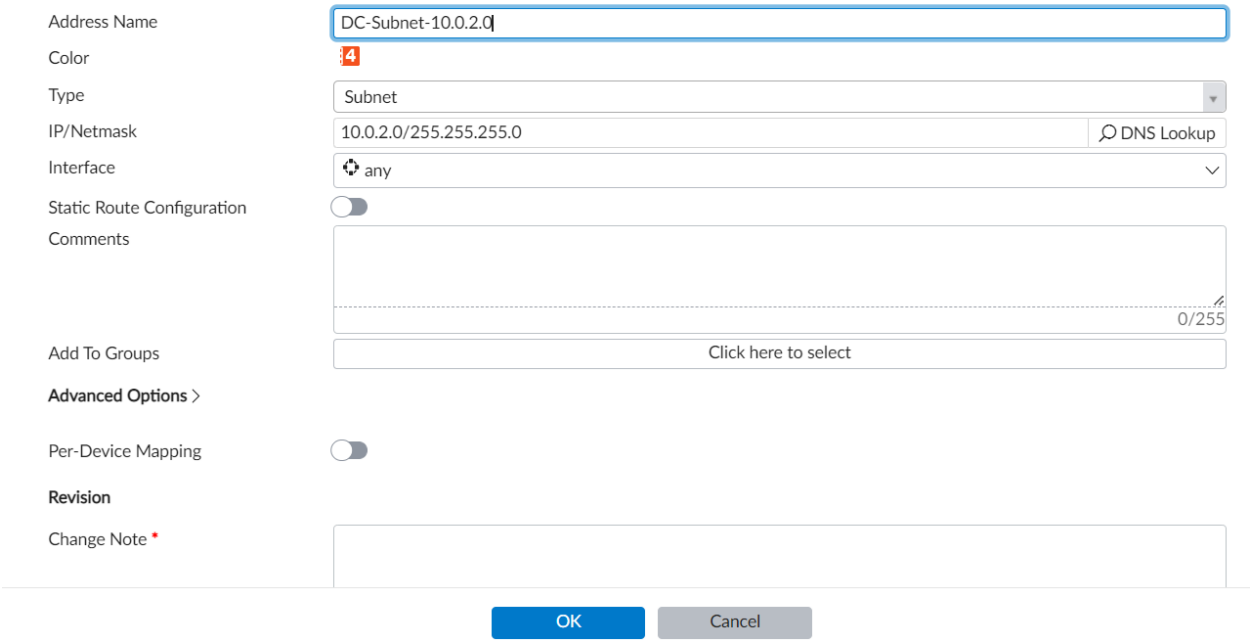
The VPN Gateway Setup Wizard – IPsec dialog appears. Select a Protected Subnet, and click OK. If you don't have object already created click on plus icon to create.



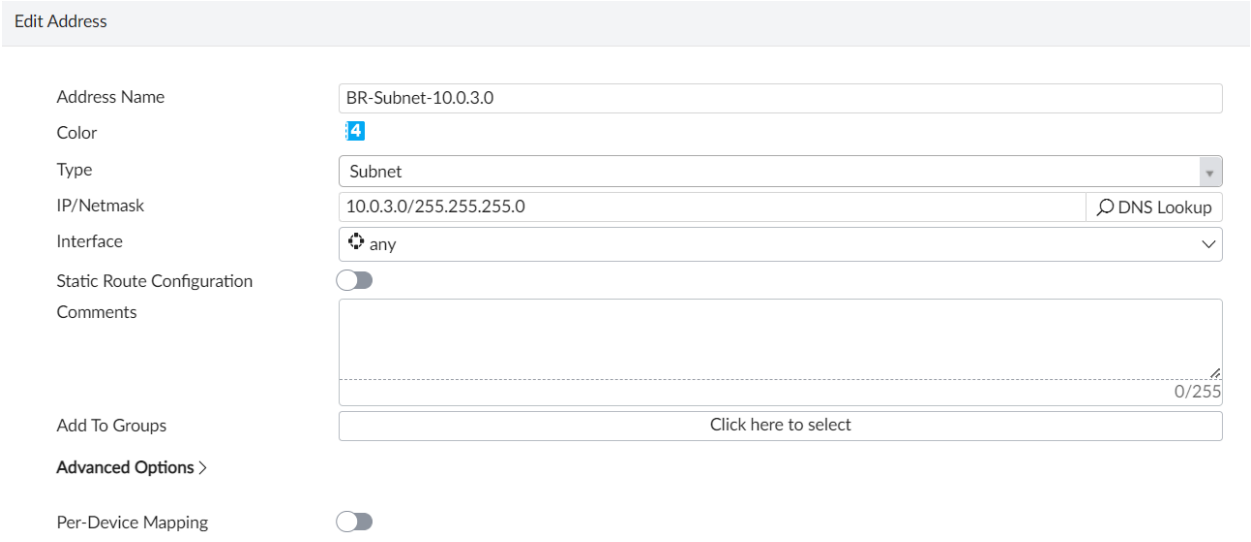
Let's create HQ Subnet 10.0.1.0/24 Object.



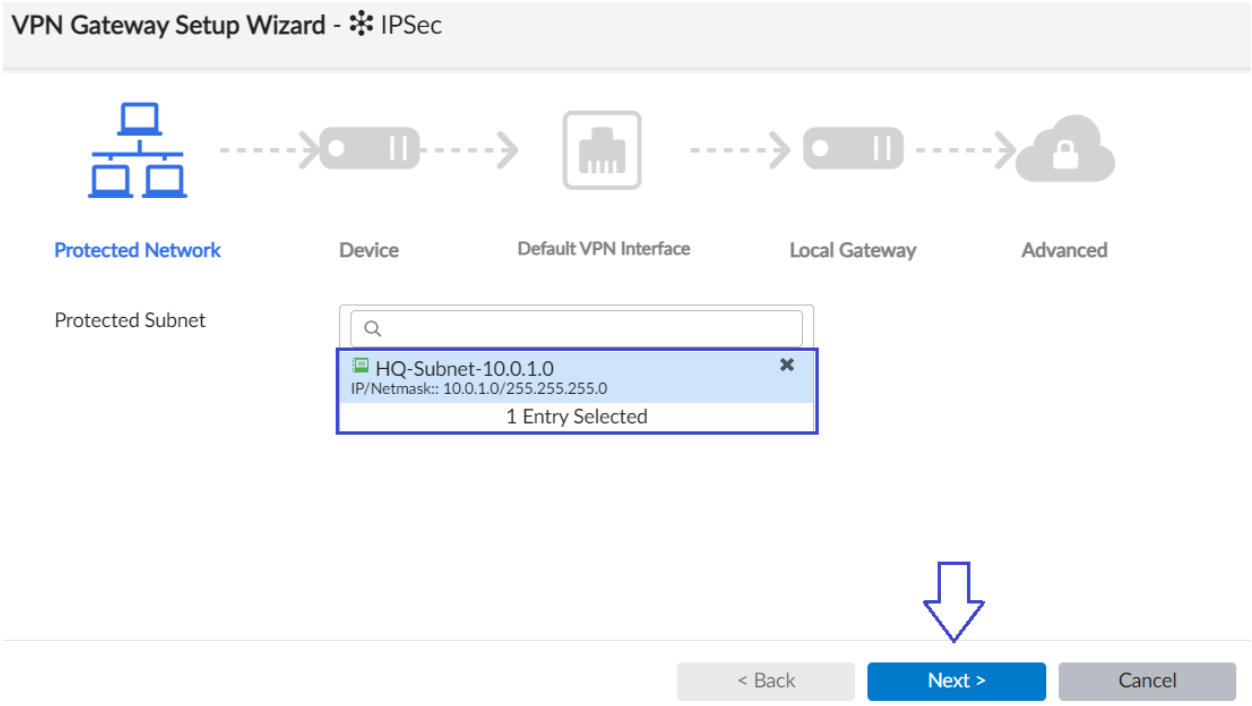
Let’s create DC Subnet 10.0.2.0/24 Object.



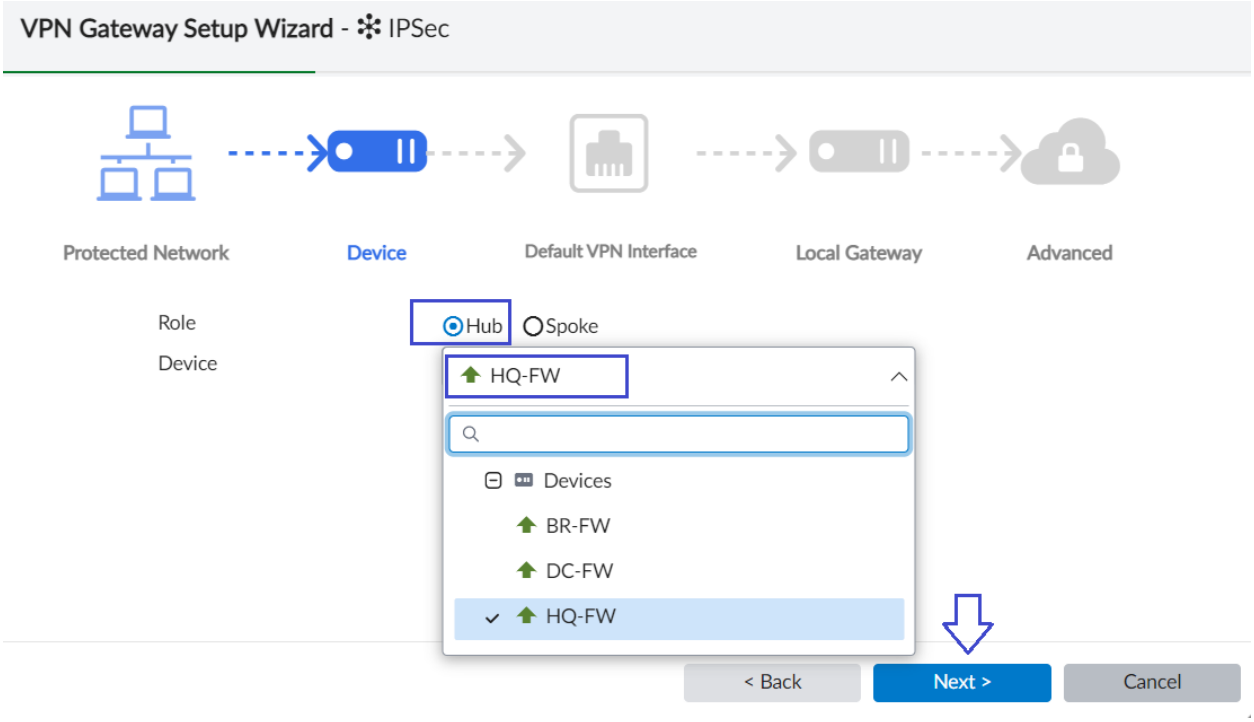
Let’s create BR Subnet 10.0.3.0/24 Object.



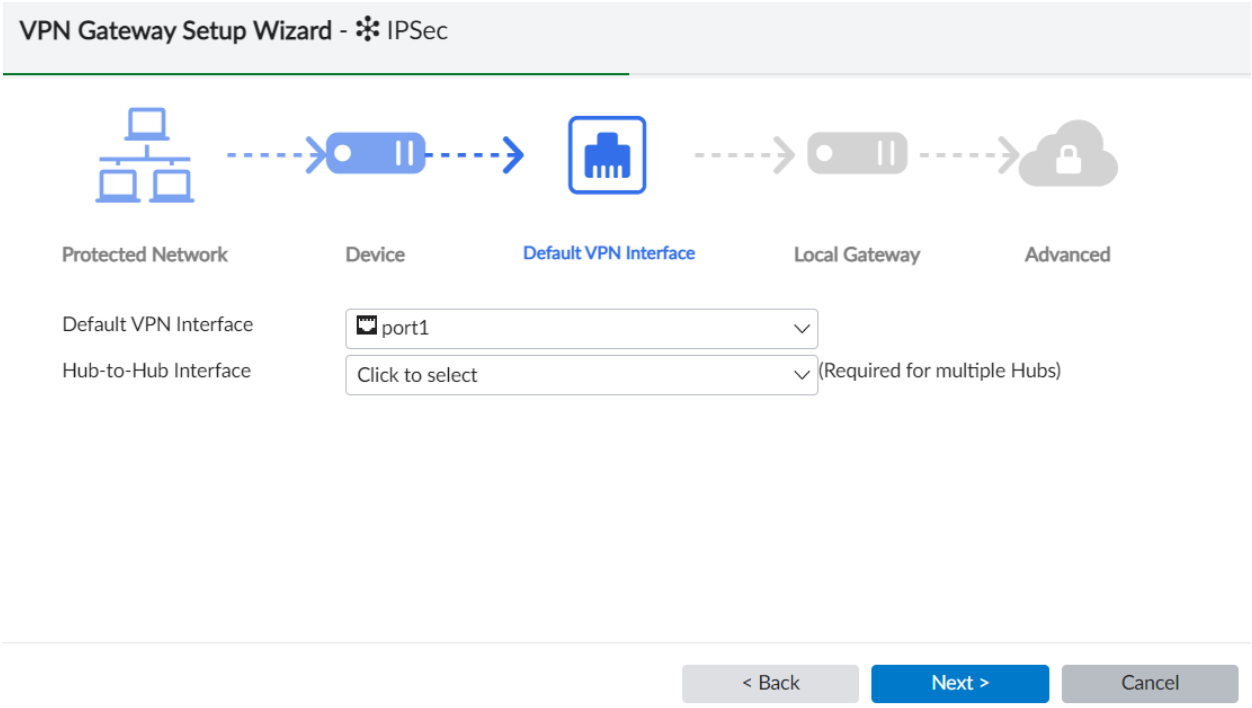
Select a Protected Subnet, and click OK.



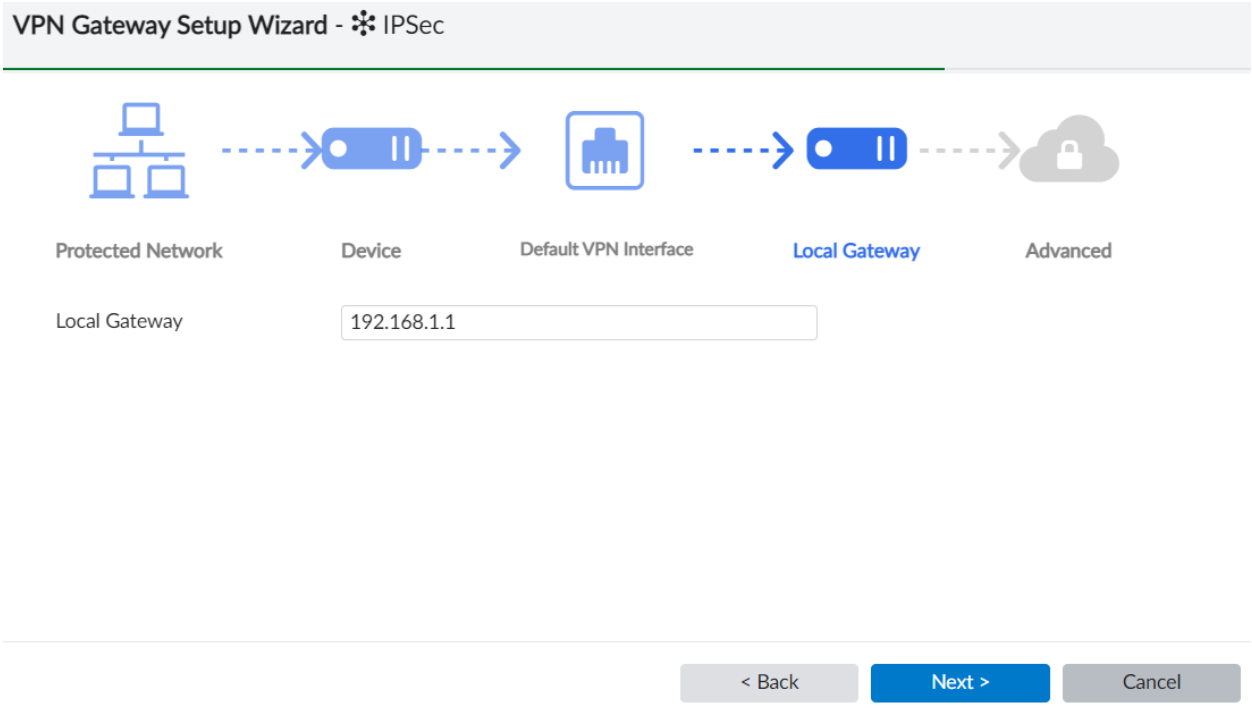
Set the Role field to Hub and click Next.



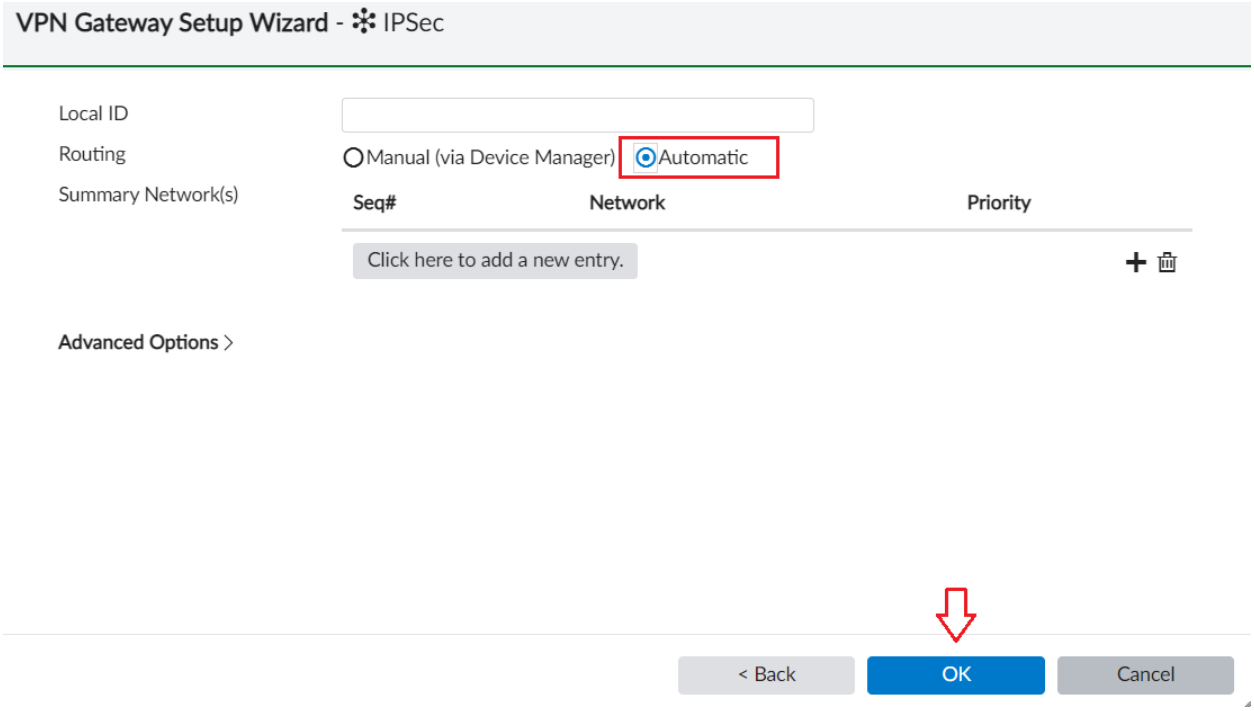
Default VPN interface usually the internet-facing interface in this case port1 click Next.



Set the local Gateway the public IP Address of Internet facing Interface 192.168.1.1.

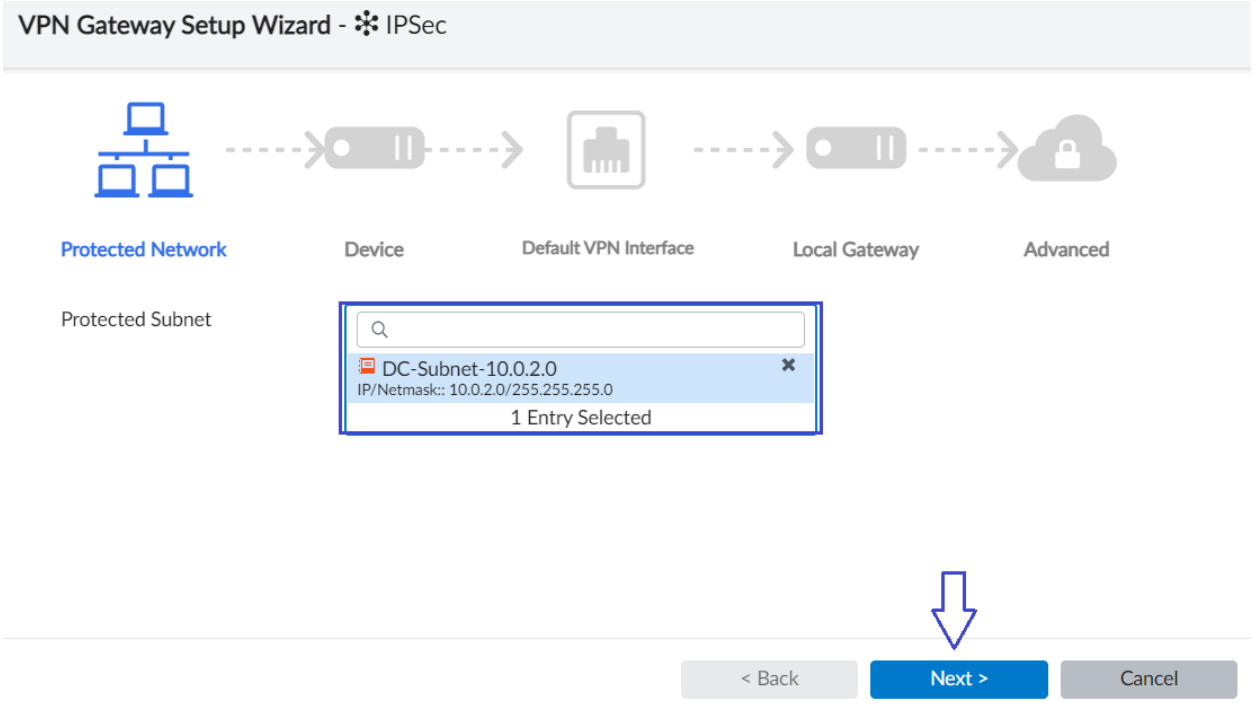


In Routing choose the Automatic Option and Click OK.

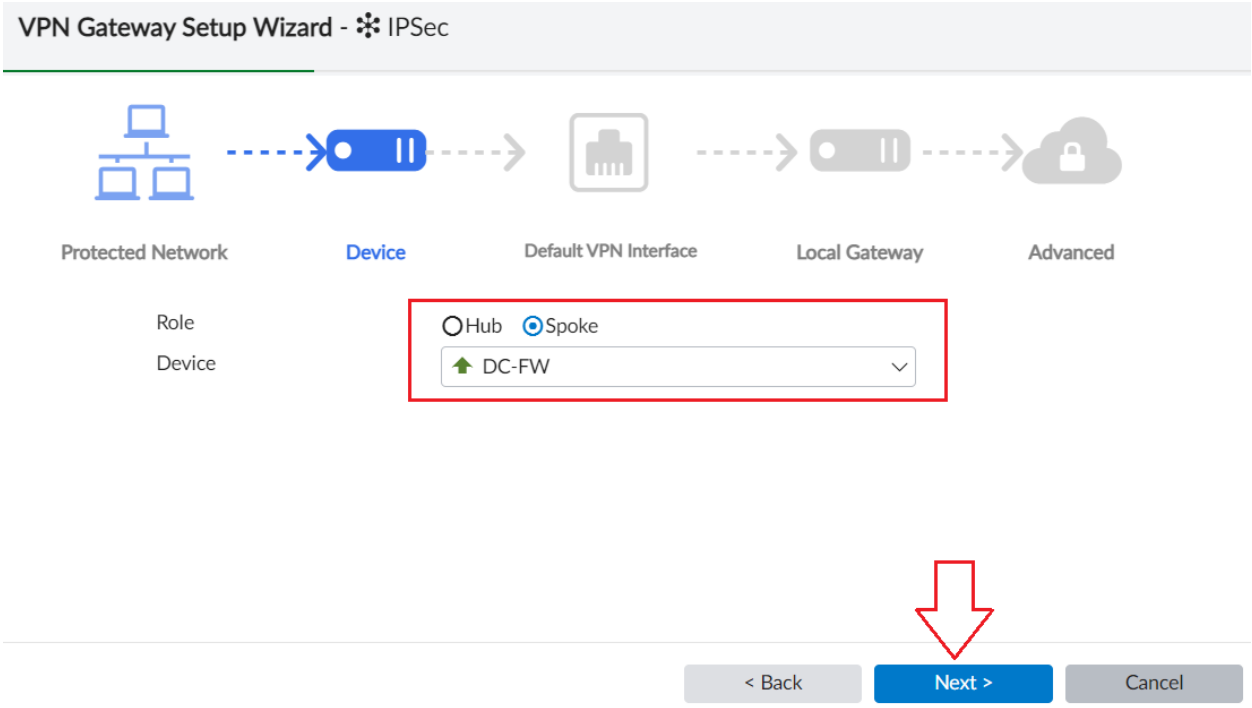


Create SPOKE-1 DC-FW:

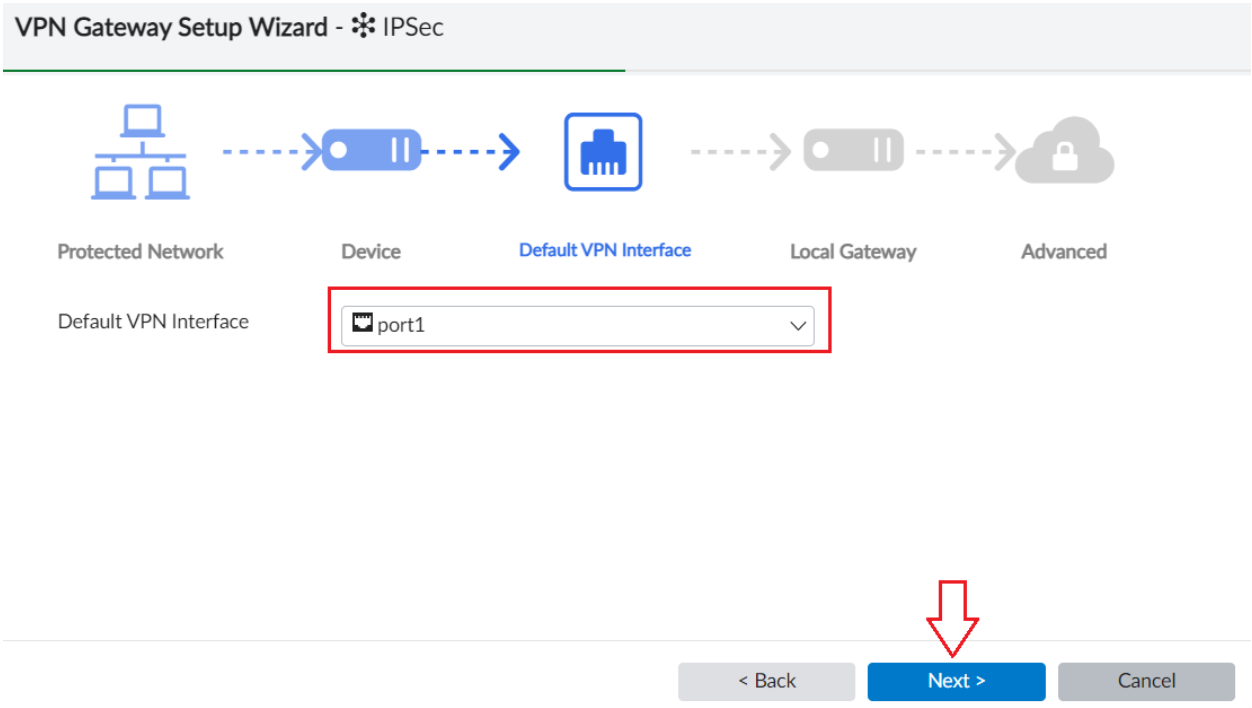
The VPN Gateway Setup Wizard – IPsec dialog appears. Select a Protected Subnet, and click OK.



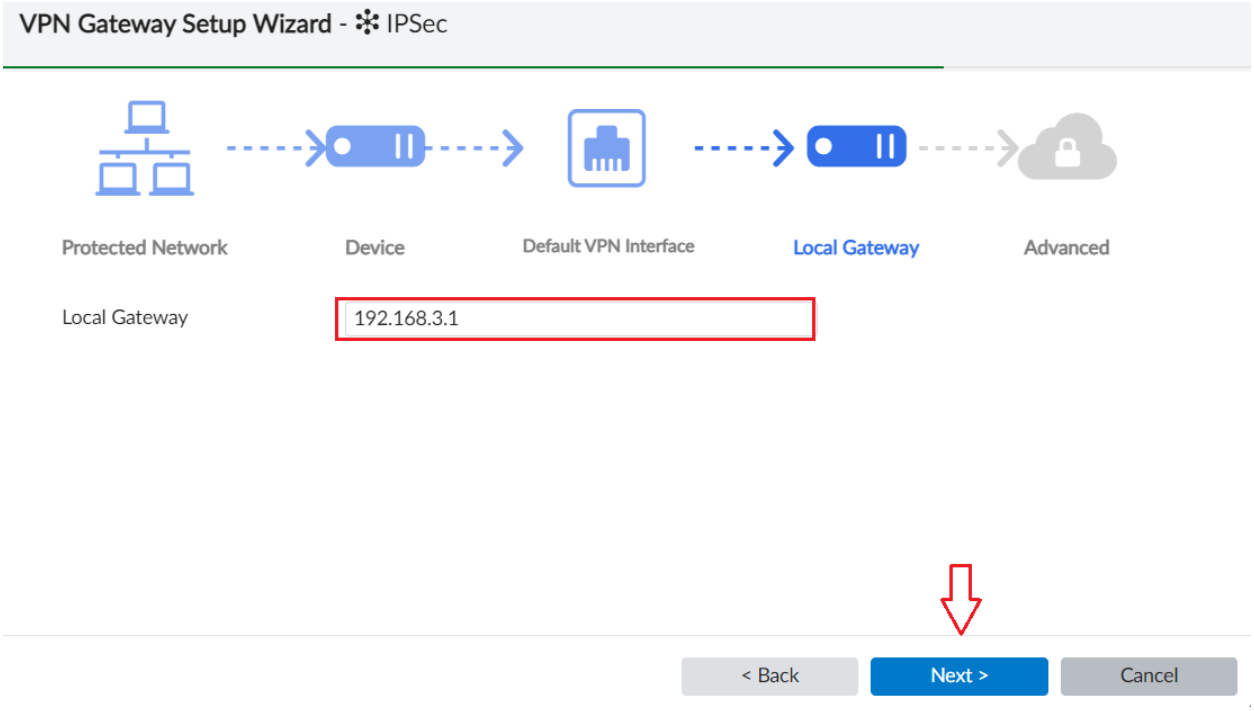
Set the Role field to Spoke this time and from dropdown choose DC-FW click Next.



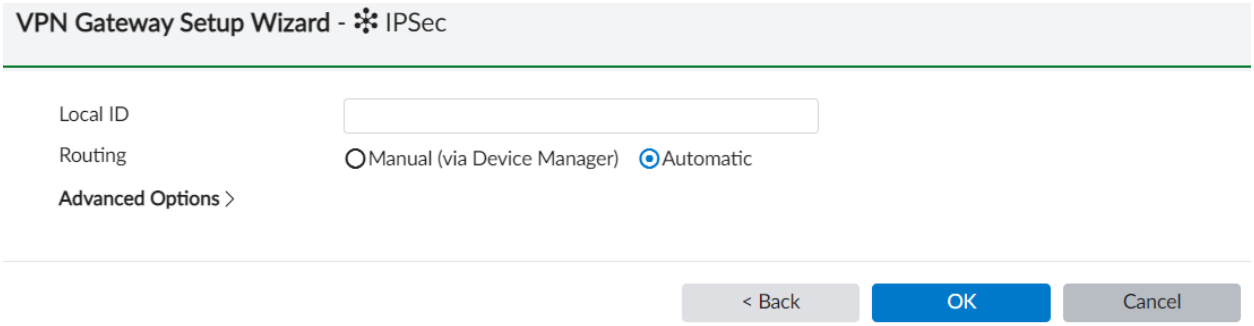
Default VPN interface usually the internet-facing interface in this case port1 click Next.



Set the Local Gateway the public IP Address of Internet facing Interface 192.168.3.1.

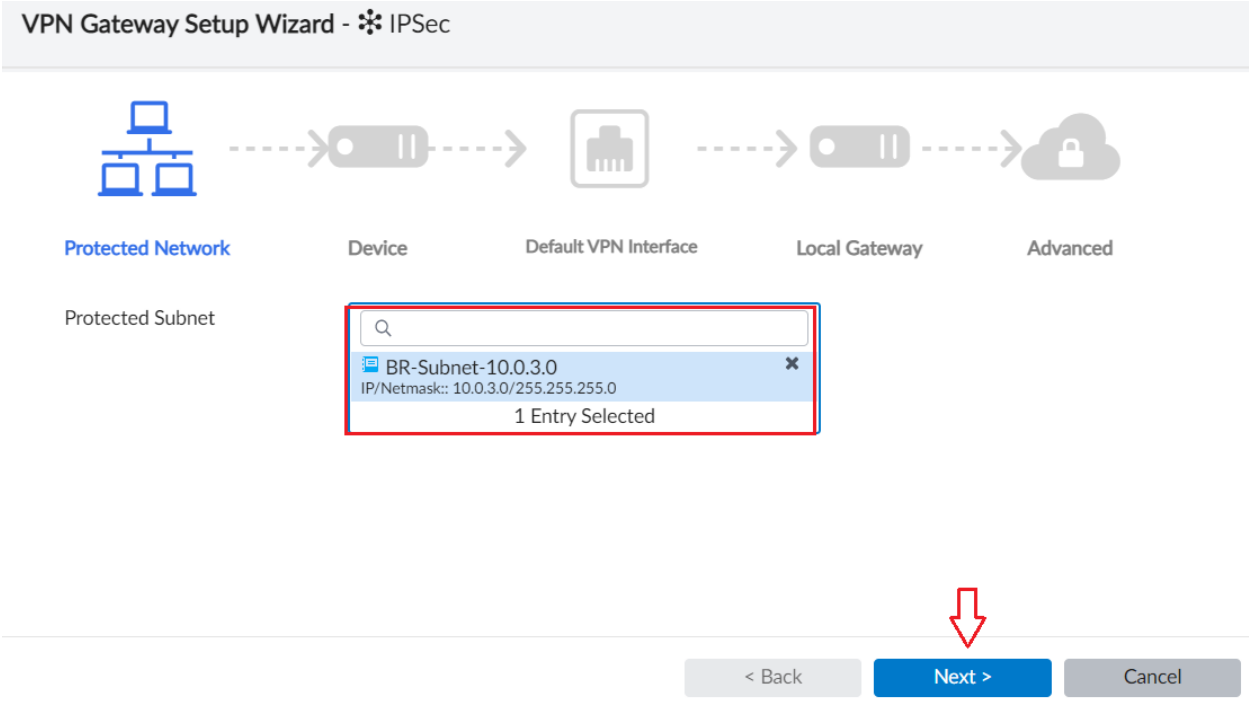


In Routing choose the Automatic Option and Click OK.

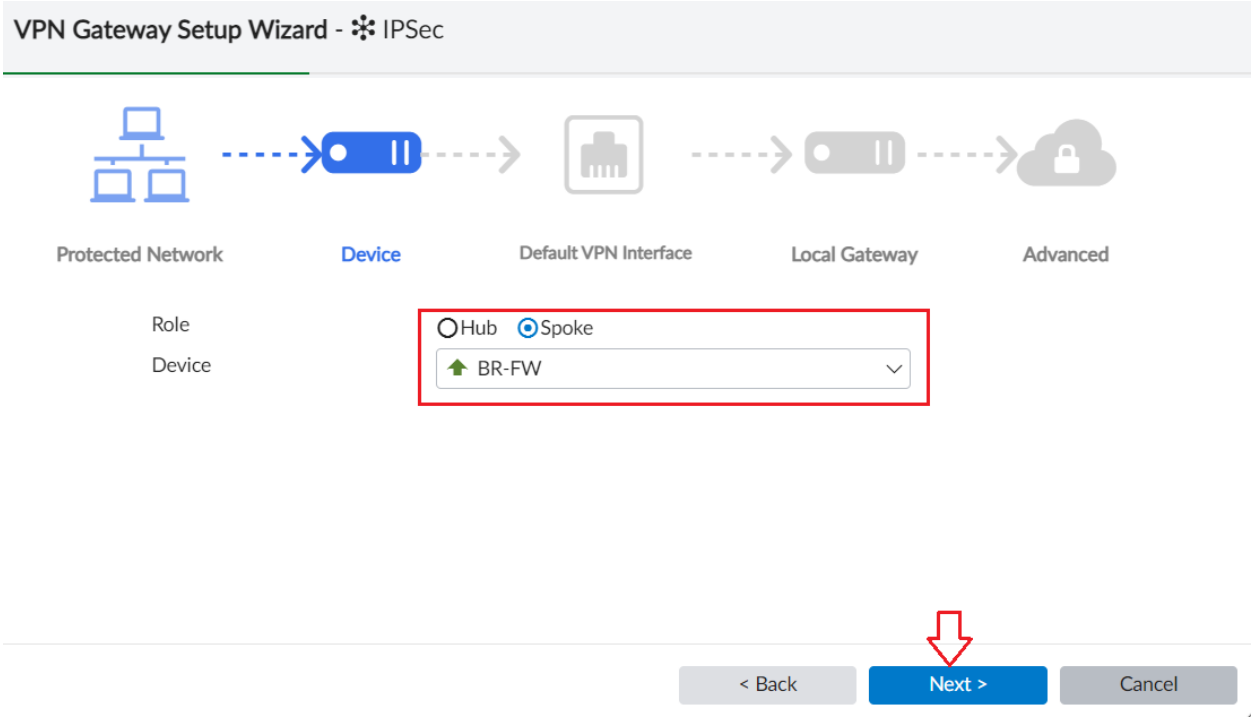


Create SPOKE-2 BR-FW:

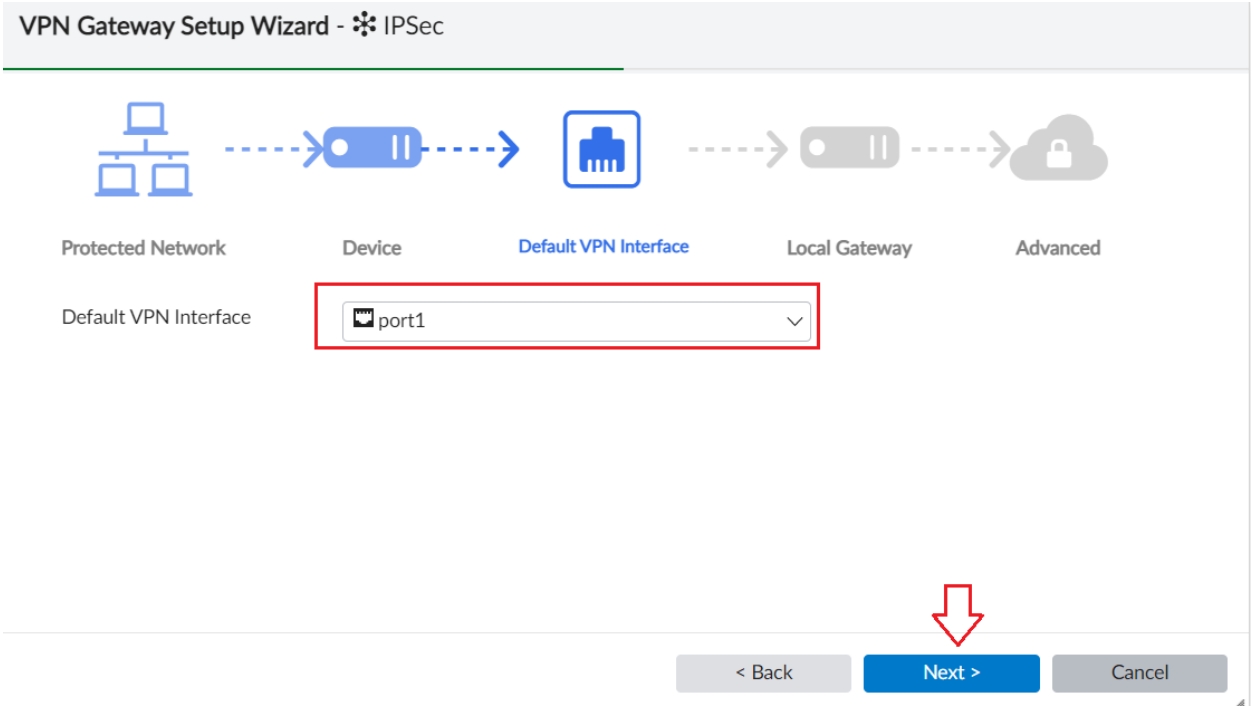
The VPN Gateway Setup Wizard – IPsec dialog appears. Select a Protected Subnet, and click OK.



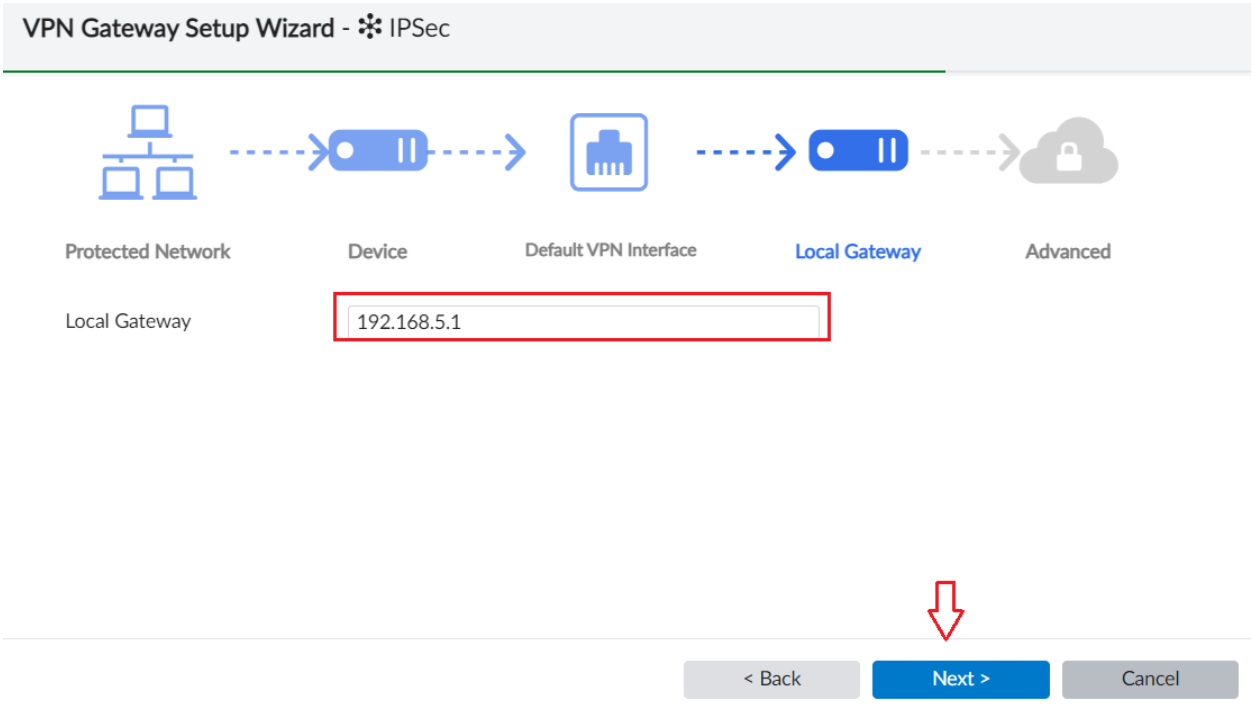
Set the Role field to Spoke this time and from dropdown choose BR-FW click Next.



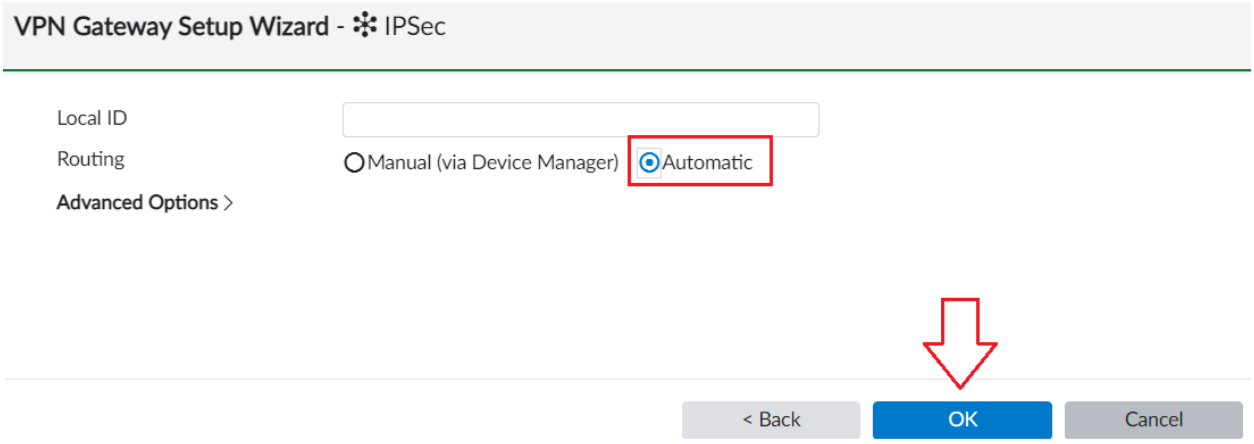
Default VPN interface usually the internet-facing interface in this case port1 click Next.



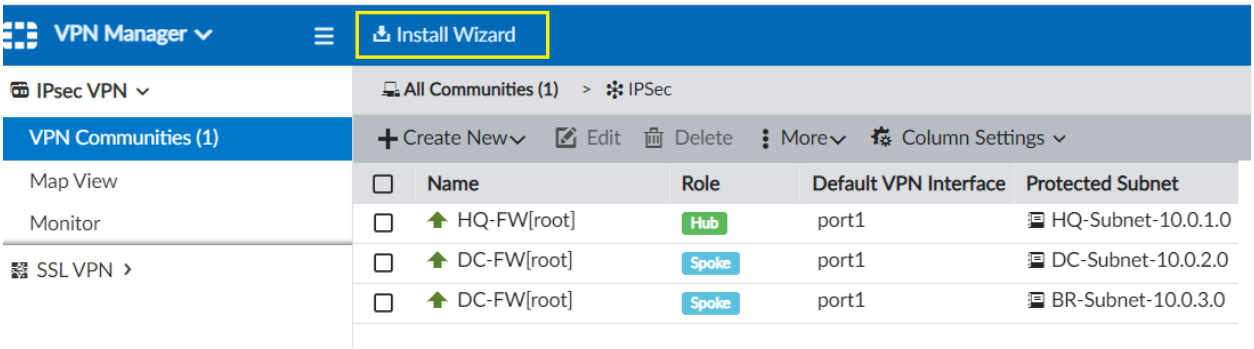
Set the Local Gateway the public IP Address of Internet facing Interface 192.168.5.1.



In Routing choose the Automatic Option and Click OK.

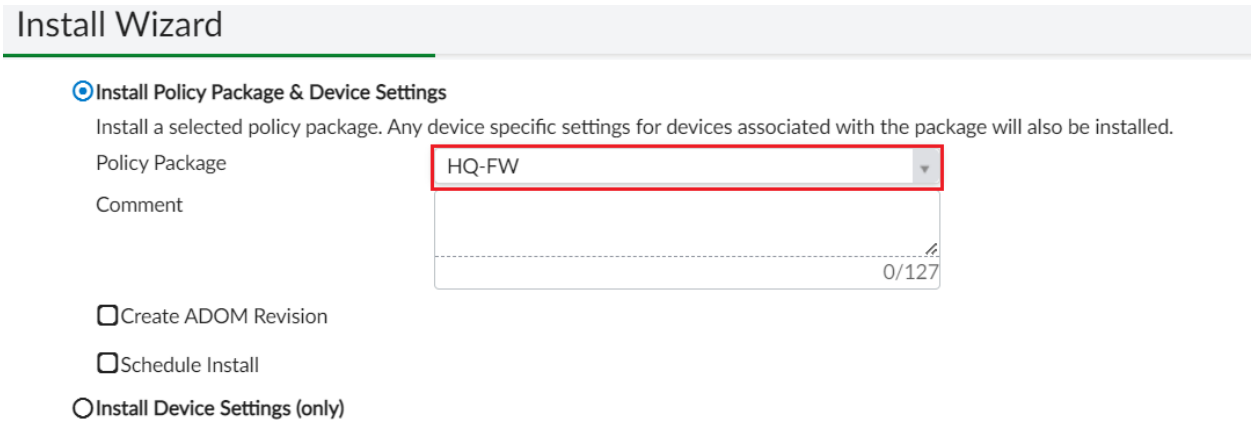


Finally, one Hub and two Spokes are created.

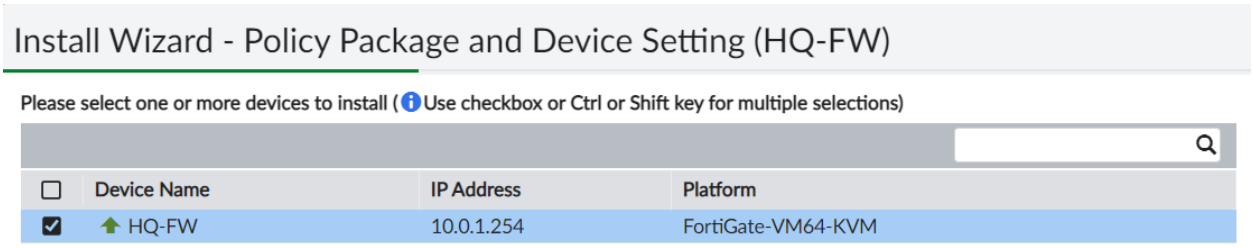


Apply VPN Configuration:

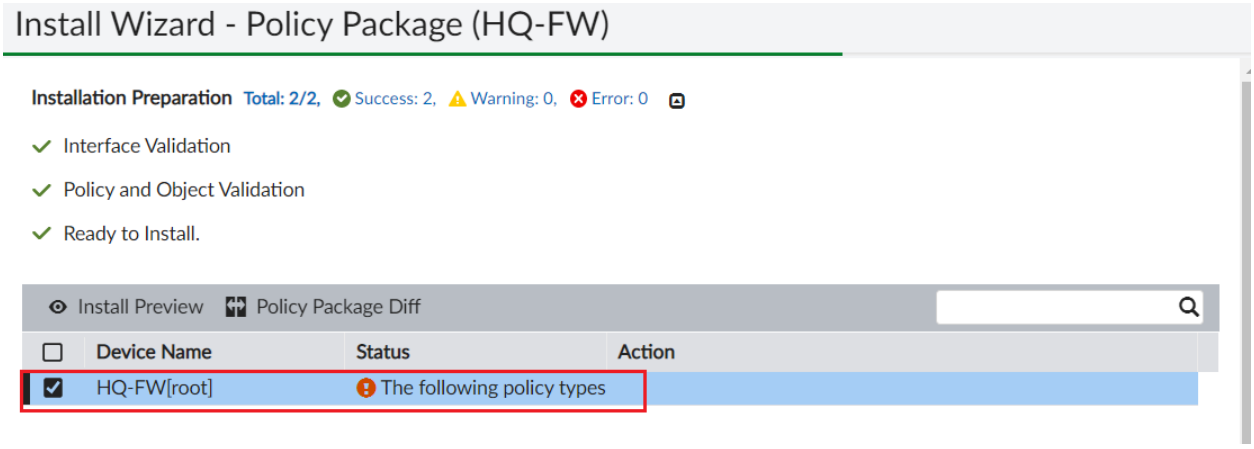
Install the VPN Configuration using Install Wizard on Hub and Spokes one by one. Fallow the Wizard choose Install Policy Package & Device Settings from dropdown choose HQ-FW Click Next to continue.

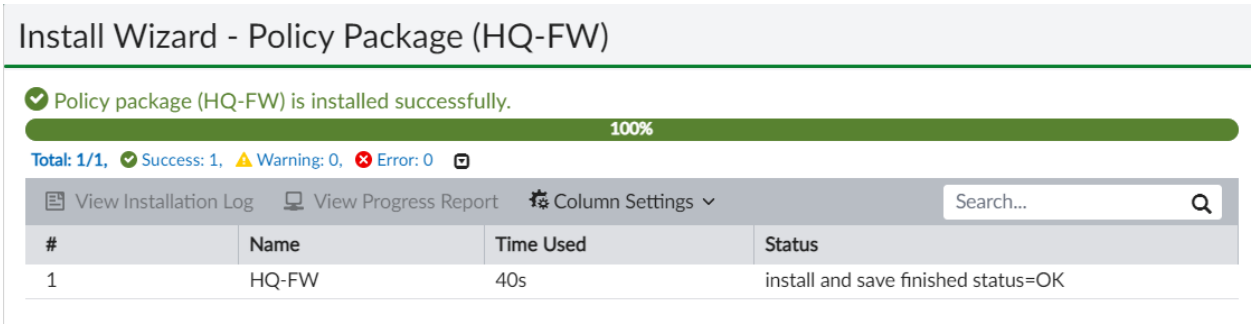
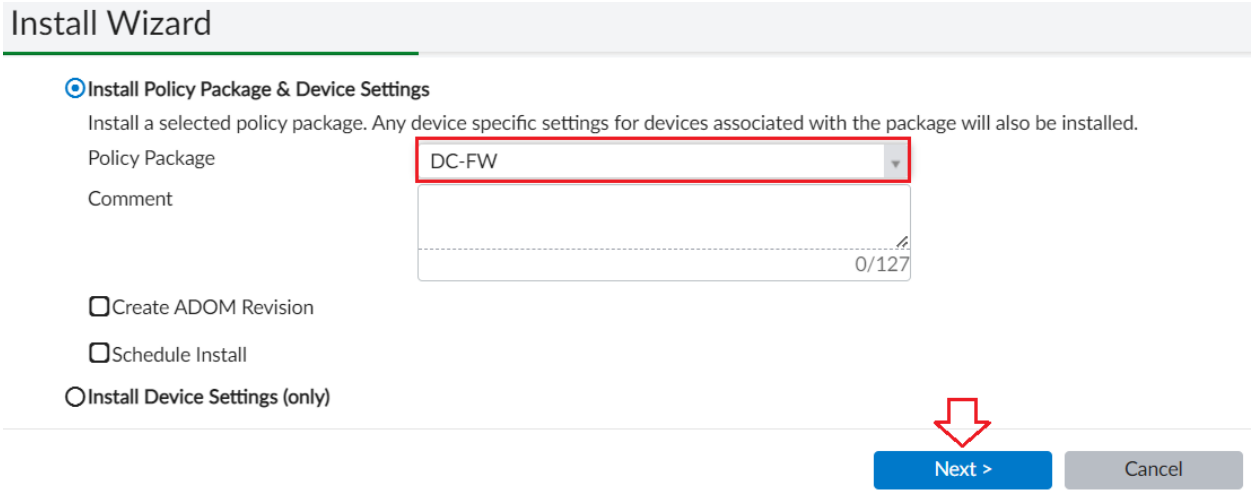
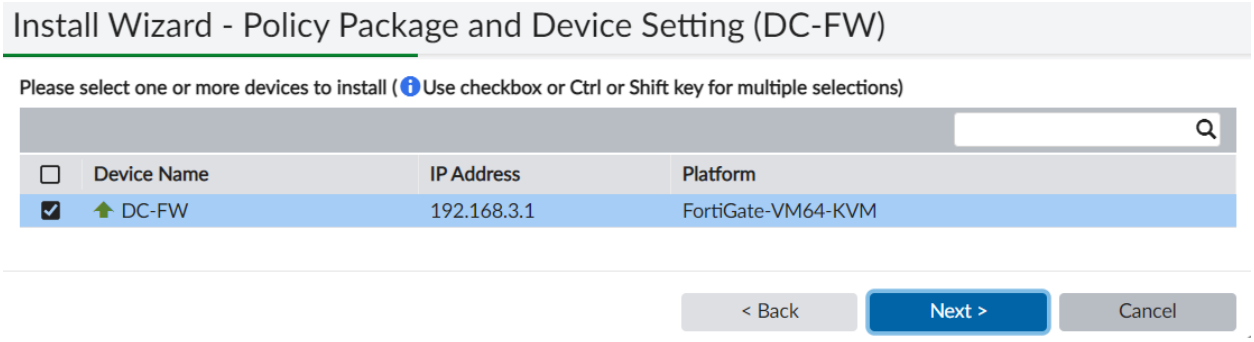


Click Next to Continue.



Click Install to push the changes from FortiManager to FortiGate.





Similarly, install Wizard on Spoke-1 DC-FW and Spoke-2 BR-FW