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HONGDIAN

Application Guide

Fortigate-Hongdian-IPSec Configuration

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Revision History

Updates between document versions are cumulative. Therefore, the latest document version contains all updates made to previous versions.

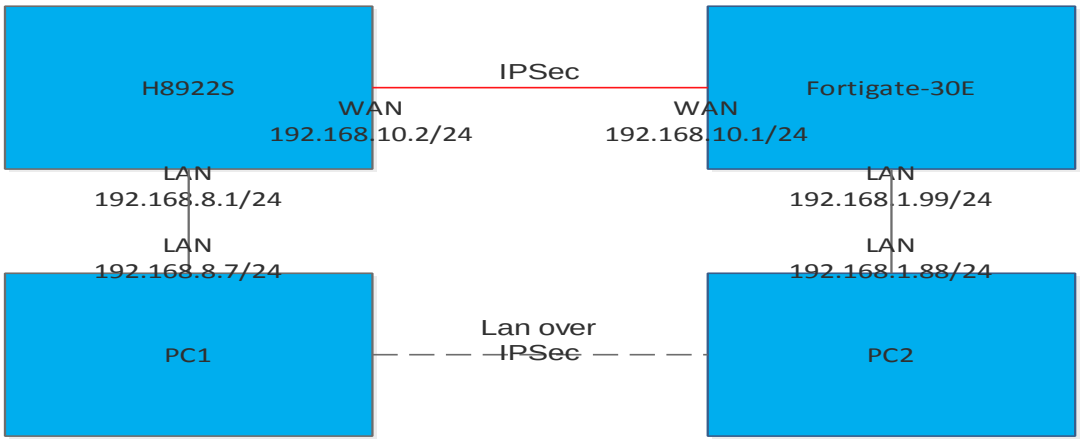
Doc Version	Product	Release Data	Details
V1.0	Hongdian Router	2017.08.23	First Release

1 Overview

Hongdian Router support to set up IPSec VPN with Fortigate Firewall,and it acts as the VPN client. Here we take an example for guiding you to build up the IPSec connection between Hongdian Router and Fortigate Firewall. Following we will take Hongdian H8922S Router and Fortigate-30E as the example.

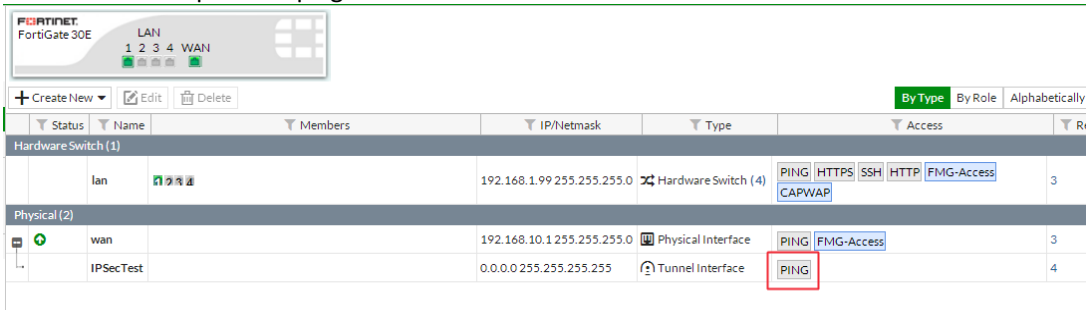
2 Description

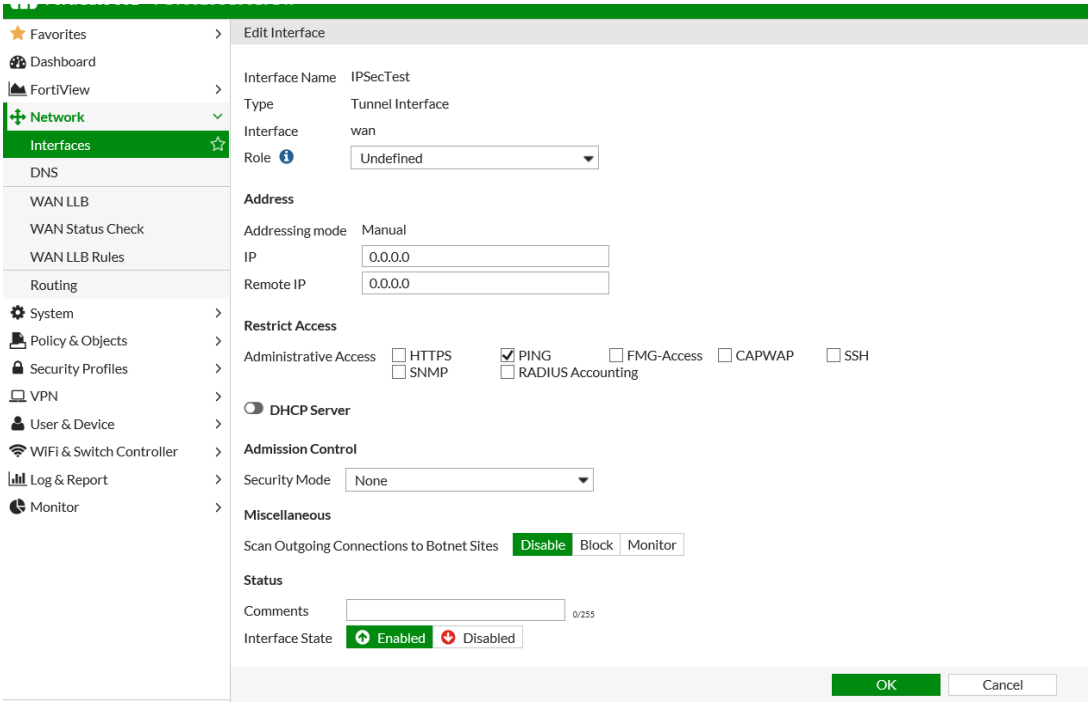
2.1 Test Topology



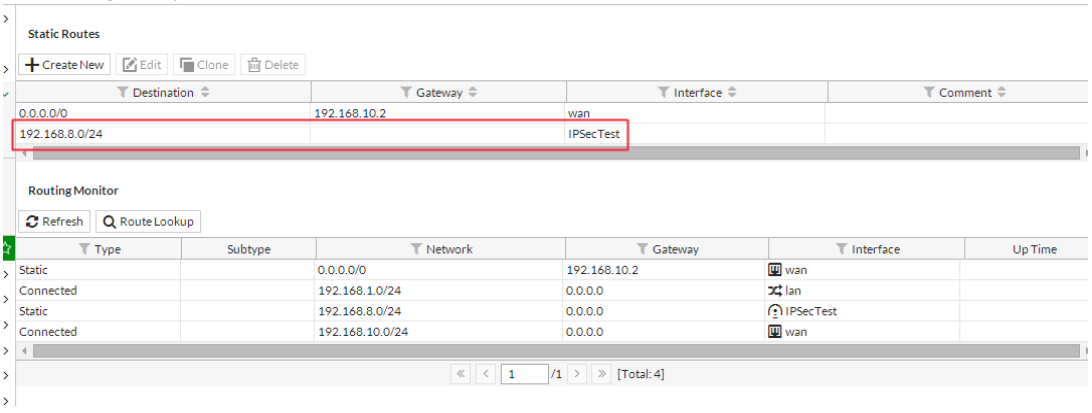
2.2 Fortigate Setup

1. LAN WAN setup: Allow ping via IPSec Test

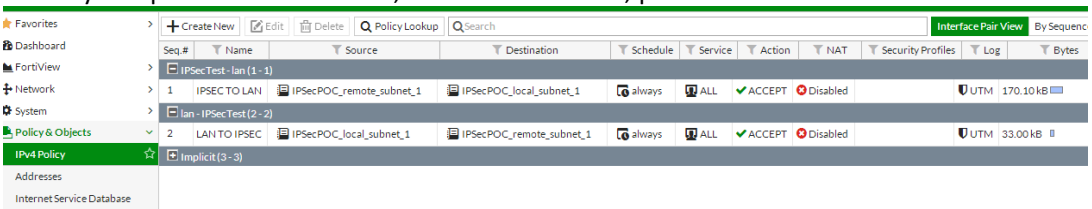


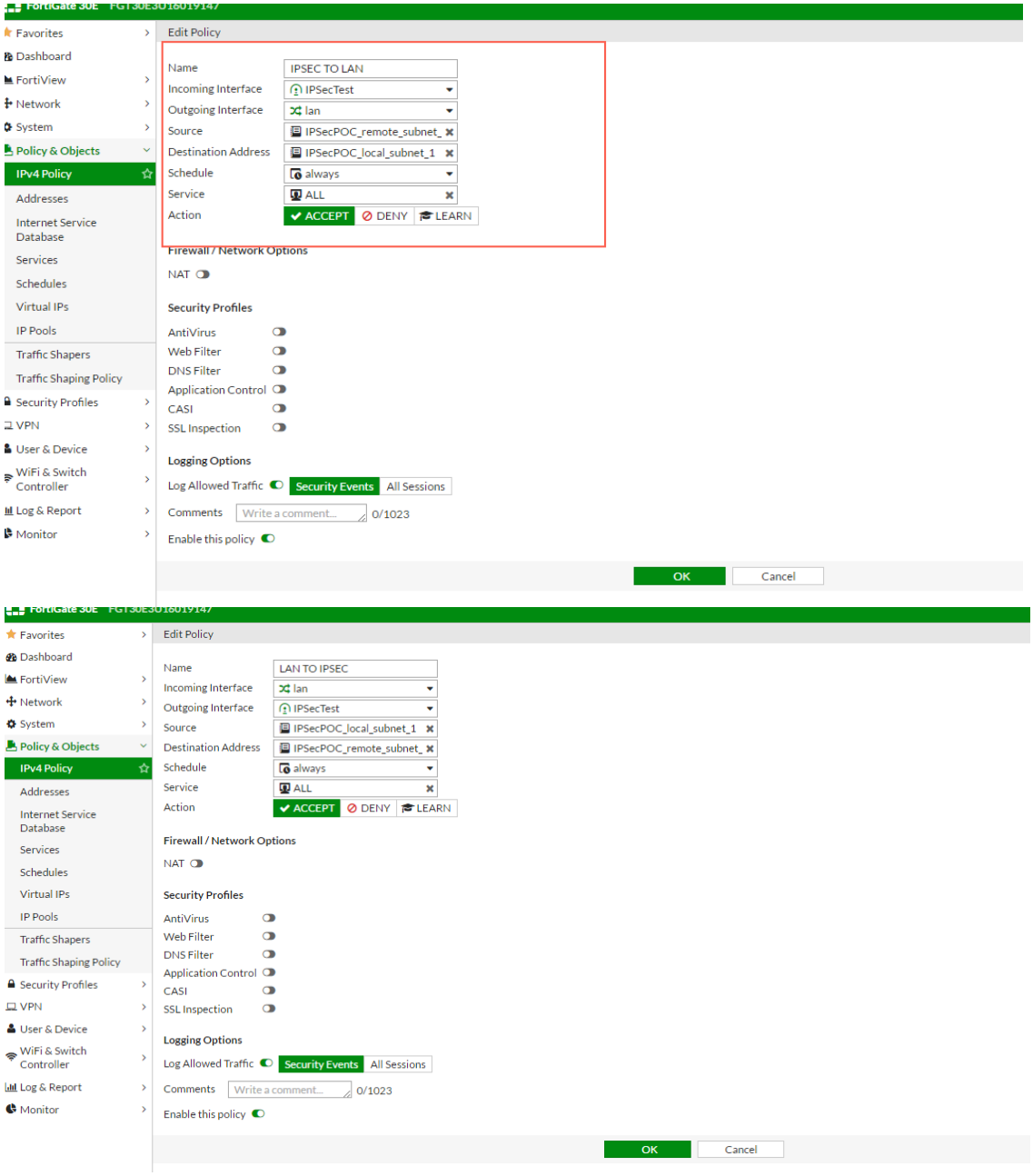


2. Routing setup: Add static route direct to 192.168.8.0/255.255.255.0 via IPSec Test

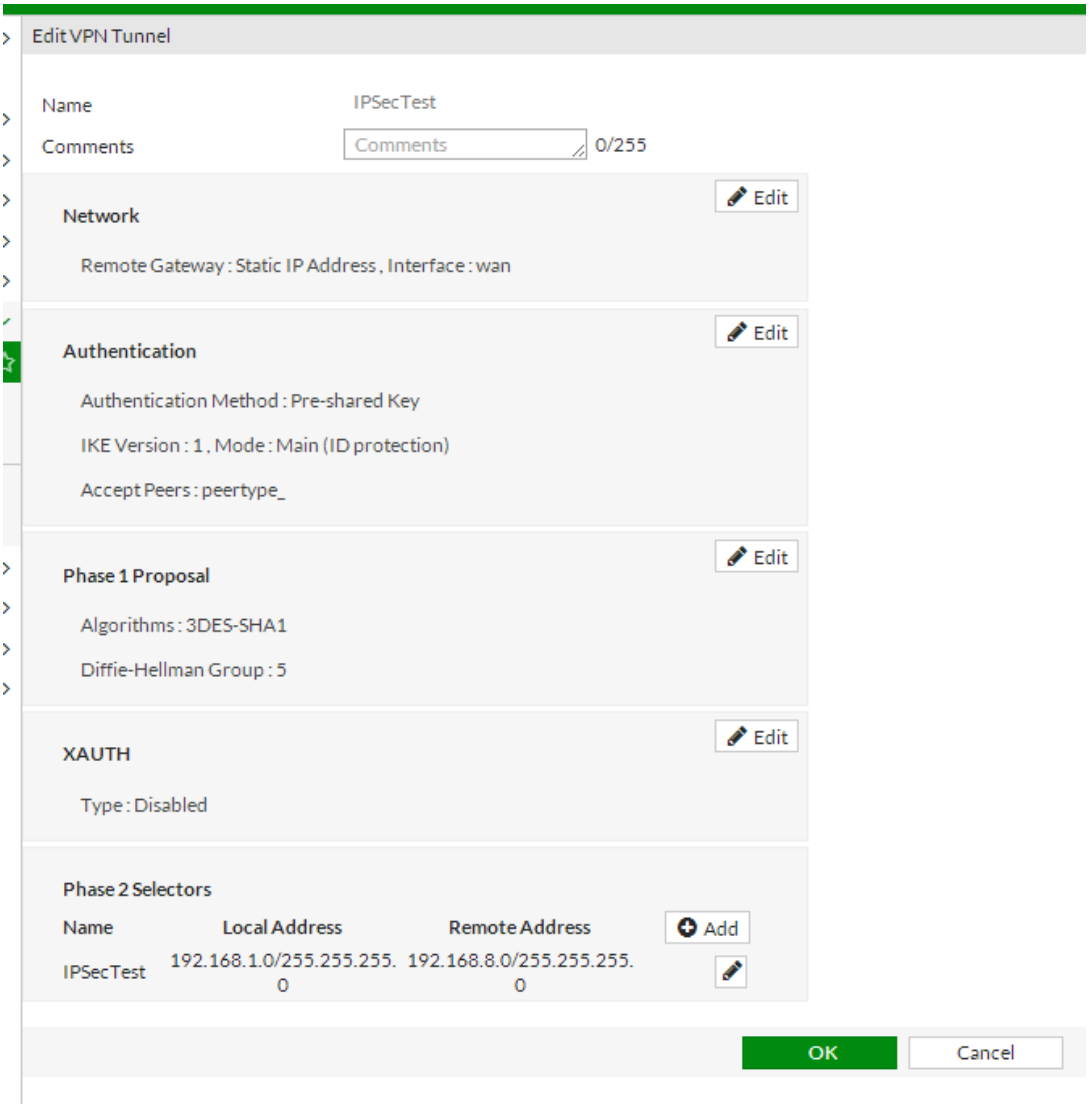


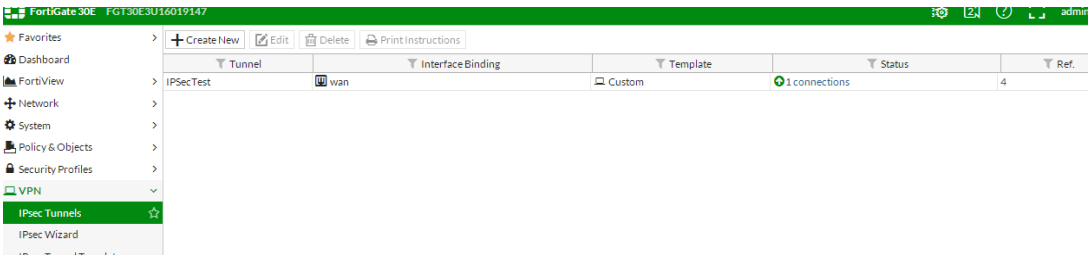
3. Policy setup: Allow IPSec to LAN, LAN to IPSec traffic, please note disable NAT



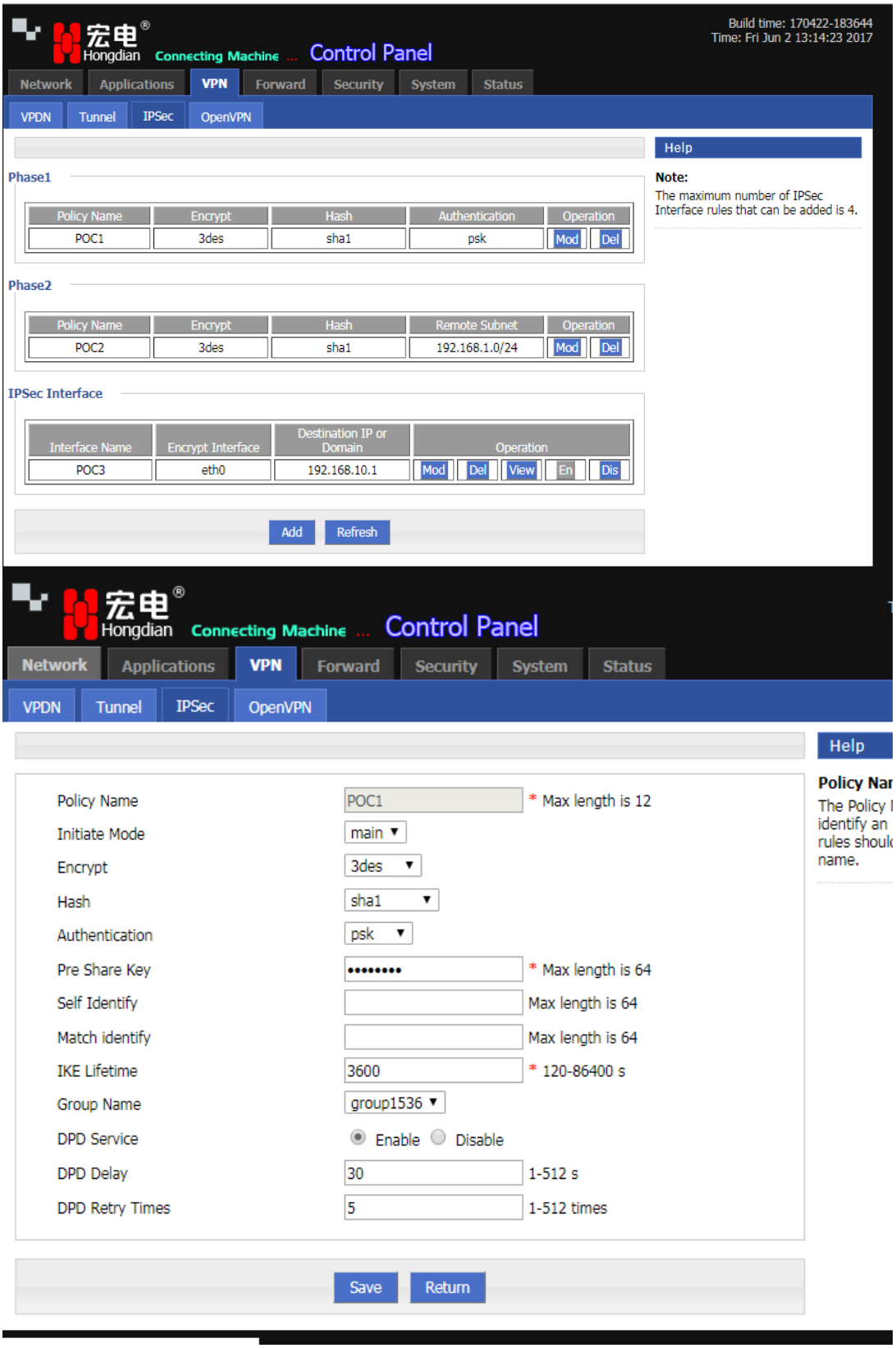


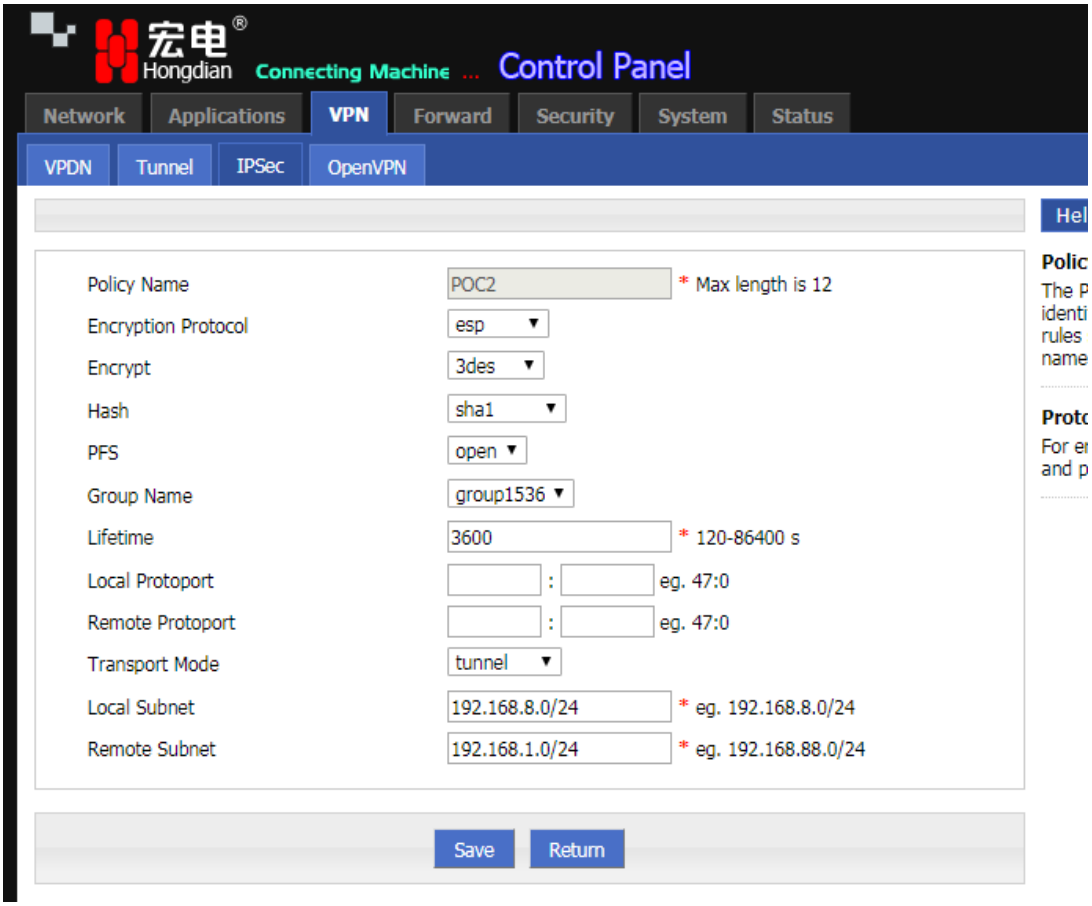
4. IPSec setup:


Edit VPN Tunnel
Name
IPSecTest
Comments
Comments
0/255
Network
Edit
Remote Gateway : Static IP Address , Interface : wan
Authentication
Edit
Authentication Method : Pre-shared Key
IKE Version : 1 , Mode : Main (ID protection)
Accept Peers : peertype_
Phase 1 Proposal
Edit
Algorithms : 3DES-SHA1
Diffie-Hellman Group : 5
XAUTH
Edit
Type : Disabled
Phase 2 Selectors
Name
Local Address
Remote Address
Add
IPSecTest
192.168.1.0/255.255.255.0
192.168.8.0/255.255.255.0
OK
Cancel

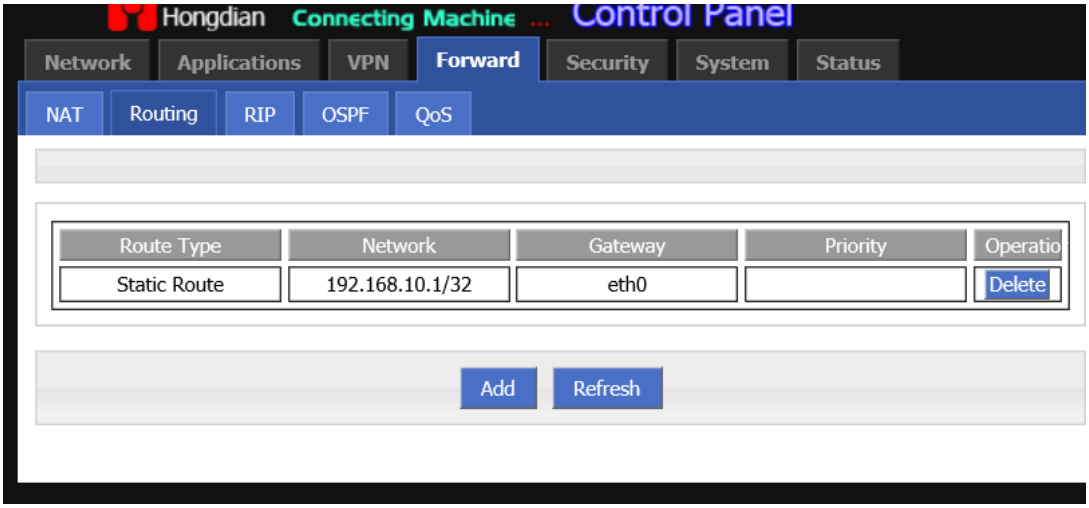

FortiGate 30E
FGT30E3U16019147
Favorites
Dashboard
FortiView
Network
System
Policy & Objects
Security Profiles
VPN
IPsec Tunnels
IPsec Wizard
Create New
Edit
Delete
Print Instructions
Tunnel
Interface Binding
Template
Status
Ref.
IPSecTest
wan
Custom
1 connections
4

2.3 Hongdian Setup



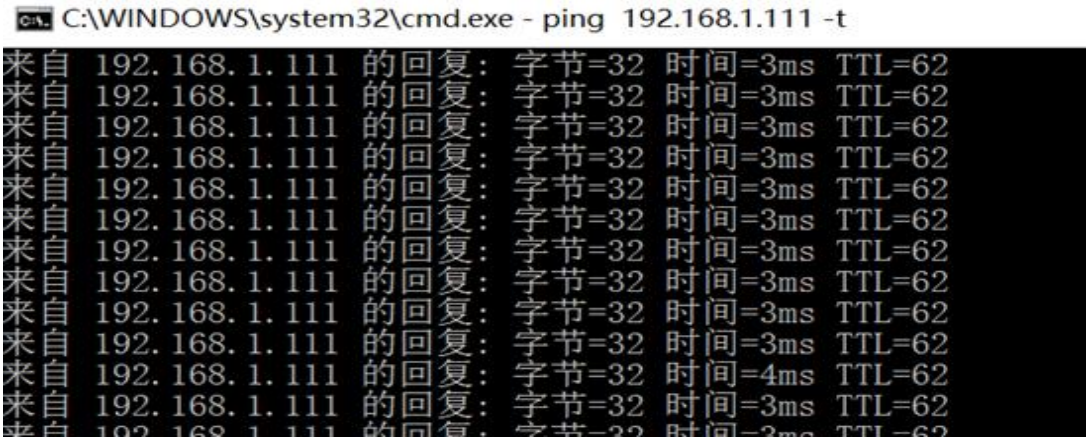

Hongdian
Connecting Machine ...
Control Panel
Network
Applications
VPN
Forward
Security
System
Status
VPDN
Tunnel
IPSec
OpenVPN
Policy Name
POC2
* Max length is 12
Encryption Protocol
esp
Encrypt
3des
Hash
sha1
PFS
open
Group Name
group1536
Lifetime
3600
* 120-86400 s
Local Protoport
eg. 47:0
Remote Protoport
eg. 47:0
Transport Mode
tunnel
Local Subnet
192.168.8.0/24
* eg. 192.168.8.0/24
Remote Subnet
192.168.1.0/24
* eg. 192.168.88.0/24
Save
Return


Hongdian
Connecting Machine ...
Control Panel
Network
Applications
VPN
Forward
Security
System
Status
VPDN
Tunnel
IPSec
OpenVPN
Status
Enable
Disable
Interface Name
POC3
* Max length is 12
Match Phase1
POC1
Match Phase2
POC2
Destination IP or Domain
192.168.10.1
* Max length is 64
Encrypt Interface
eth0
Save
Return

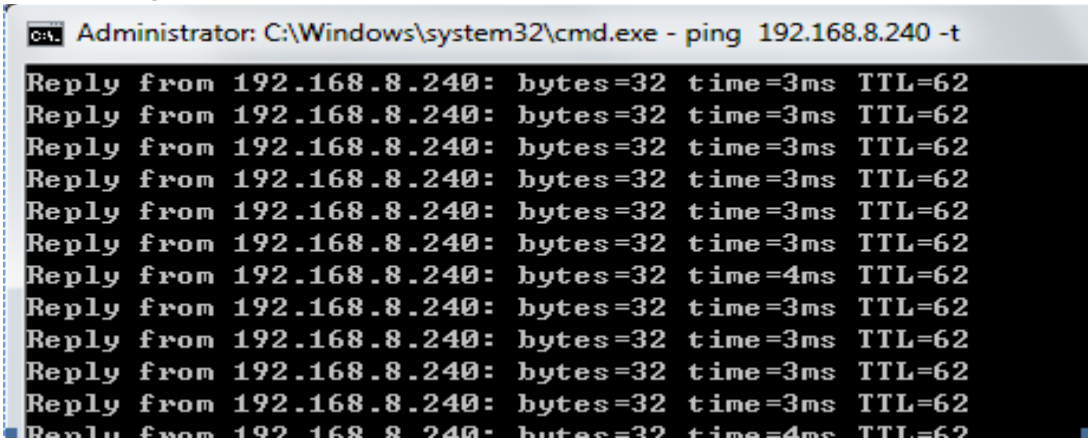


2.4 Check Ping

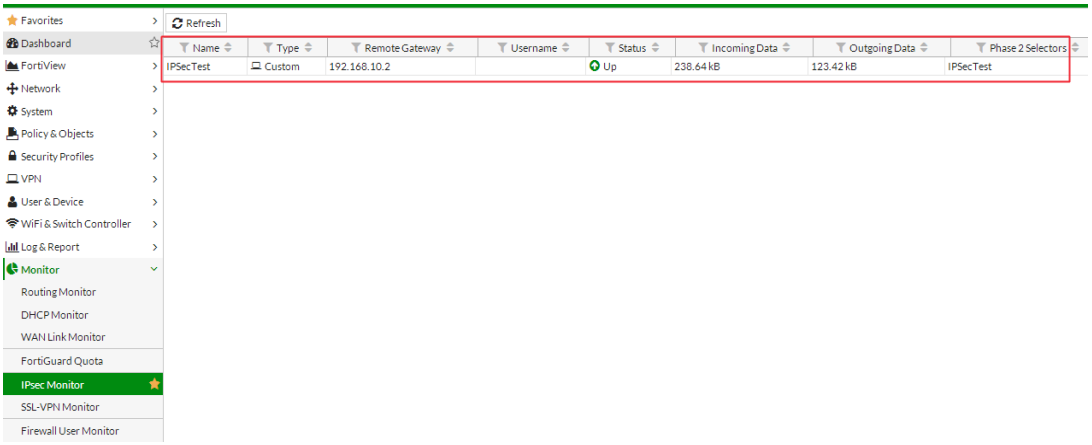
1. From Hongdian:



2. From Fortigate:



3. IPSec traffic monitor:


Favorites
Dashboard
FortiView
Network
System
Policy & Objects
Security Profiles
VPN
User & Device
WiFi & Switch Controller
Log & Report
Monitor
Routing Monitor
DHCP Monitor
WAN Link Monitor
FortiGuard Quota
IPsec Monitor
SSL-VPN Monitor
Firewall User Monitor
Refresh
Name
Type
Remote Gateway
Username
Status
Incoming Data
Outgoing Data
Phase 2 Selectors
IPSecTest
Custom
192.168.10.2
Up
238.64 kB
123.42 kB
IPSecTest

HONGDIAN

Create smart things

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