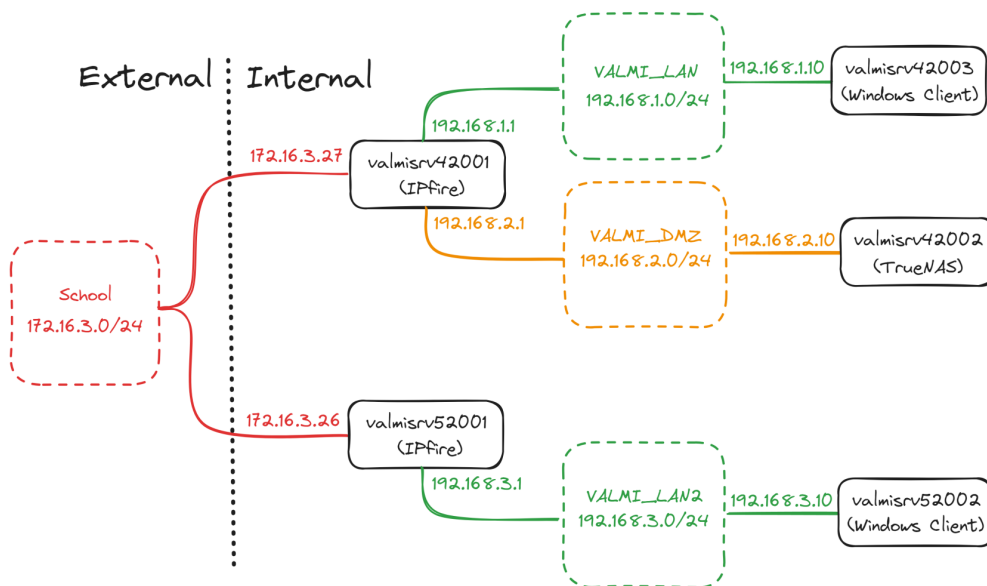


IPsec

Aufgabenstellung

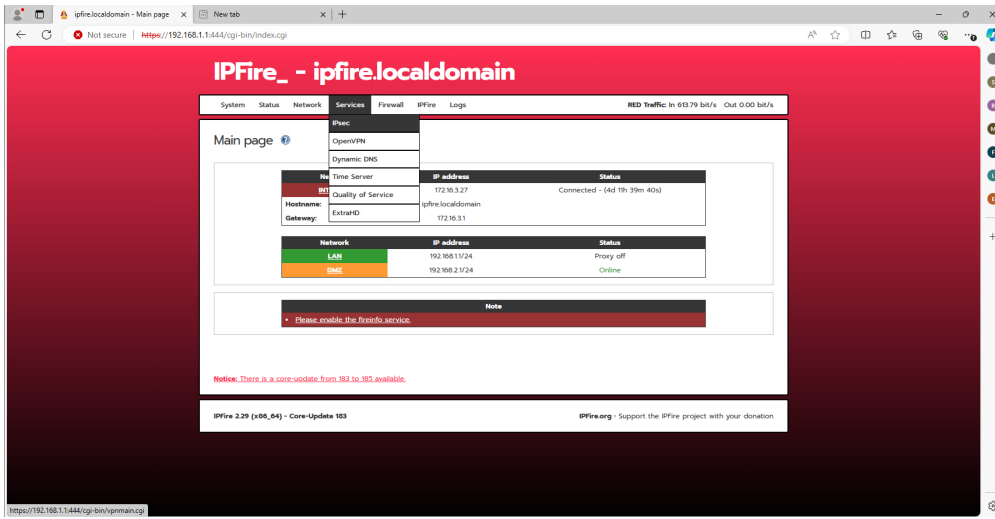
IPsec auf ipfire



IPsec Auftrag.excalidraw

Konfiguration und Analyse

valmisrv42001 - IPsec Konfiguration hinzufügen



IPsec

Global Settings

Enabled: ☒

Host-to-Net Endpoint:

Host-to-Net Virtual Private Network (RoadWarrior):

Save

Connection Status and -Control

Name	Type	Common name	Remark	Status	Action
------	------	-------------	--------	--------	--------

Add

IPsec

Connection Type

Connection Type:

☐ Host-to-Net Virtual Private Network (RoadWarrior)

☒ Net-to-Net Virtual Private Network

Add

Connection: IPsec_Test_Tunnel

Name:

Enabled: ☒

Local IP Address:

Local subnet:

Local ID:

Remote host/IP:

Remote subnet:

Remote ID:

Remark:

☐ Edit advanced settings when done.

IPsec Settings

Mode:

Interface:

MTU:

IP address/Subnet Mask:

Authentication:

☒ Use a pre-shared key:

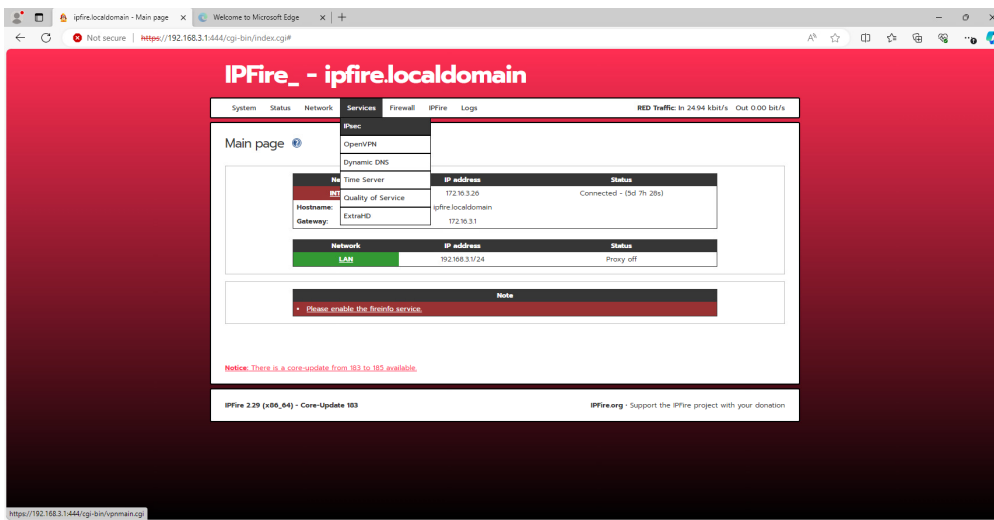
☐ Upload a certificate request:

☐ Upload a certificate:

☐ Upload PKCS12 file PKCS12 File Password:

☐ Peer is identified by either IPV4_ADDR, FQDN, USER_FQDN or DER_ASN1_DN string in remote ID field

valmisrv52001 - IPsec Konfiguration hinzufügen



IPsec

Global Settings

Enabled: ☒
Host-to-Net Endpoint:
Host-to-Net Virtual Private Network (RoadWarrior):

Save

Connection Status and -Control

Name	Type	Common name	Remark	Status	Action
<div>Add</div>					

IPsec

Connection Type

Connection Type:
☐ Host-to-Net Virtual Private Network (RoadWarrior)
☒ Net-to-Net Virtual Private Network

Add

Connection:

Name:
Enabled: ☒
Local IP Address:
Local subnet:
Local ID:
Remote host/IP:
Remote subnet:
Remote ID:
Remark:
☐ Edit advanced settings when done.

IPsec Settings

Mode:
Interface:
MTU:
IP address/Subnet Mask:

Authentication:

☒ Use a pre-shared key:
☐ Upload a certificate request:
☐ Upload a certificate: No file chosen
☐ Upload PKCS12 file PKCS12 File Password:

valmisrv42001 - Kontrollieren ob Verbindung läuft

Connection Status and -Control

Name	Type	Common name	Remark	Status	Action
IPsec	Net (PSK) ikev2			CONNECTED	

Legend: ☒ Enabled (click to disable) Show file Edit Remove
☐ Disabled (click to enable) Download file Restart

Add

```
C:\Users\Administrator>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet0:

    Connection-specific DNS Suffix  . : localdomain
    IPv4 Address. . . . . : 192.168.1.10
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.1.1

C:\Users\Administrator>ping 192.168.3.10

Pinging 192.168.3.10 with 32 bytes of data:
Reply from 192.168.3.10: bytes=32 time=2ms TTL=126
Reply from 192.168.3.10: bytes=32 time=2ms TTL=126
Reply from 192.168.3.10: bytes=32 time=1ms TTL=126
Reply from 192.168.3.10: bytes=32 time=1ms TTL=126

Ping statistics for 192.168.3.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 2ms, Average = 1ms

C:\Users\Administrator>
```

valmisrv52001 - Kontrollieren ob Verbindung läuft

Connection Status and -Control

Name	Type	Common name	Remark	Status	Action
IPsec	Net (PSK) ikev2			CONNECTED	

Legend: ☒ Enabled (click to disable) Show file Edit Remove
☐ Disabled (click to enable) Download file Restart

Add

```
C:\Users\Administrator>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet0:

    Connection-specific DNS Suffix  . : localdomain
    IPv4 Address. . . . . : 192.168.3.10
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.3.1

C:\Users\Administrator>ping 192.168.1.10

Pinging 192.168.1.10 with 32 bytes of data:
Reply from 192.168.1.10: bytes=32 time=1ms TTL=126
Reply from 192.168.1.10: bytes=32 time=2ms TTL=126
Reply from 192.168.1.10: bytes=32 time=2ms TTL=126
Reply from 192.168.1.10: bytes=32 time=2ms TTL=126

Ping statistics for 192.168.1.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 2ms, Average = 1ms

C:\Users\Administrator>
```