Hi Team,

I would like to know the internal steps involved when "ipsec up <connName>" command is executed.

In our case, when we try to establish IPSEC connection using IPV6 addresses we could see that there is a routing added internally, but the same is not observed when IPV4 addresses are used.

Below are the config files for both configurations.

conn testpki
type=tunnel
left=10.33.42.174
lifetime=1h
ike=aes256-sha512-modp4096
ikelifetime=1h
esp=aes256-sha512-modp4096-noesn
right=10.35.15.16
keyexchange=ikev2
leftcert=vpnClientCert.pem
leftid="CN=IPSEC,O=strongSwan,C=IN"
rightid="C=IN,O=strongSwan,CN=IPSEC"
auto=add

conn testpki
type=tunnel
left=2001:1b70:8294:4435:3::6
lifetime=1h
ike=aes256-sha512-modp4096
ikelifetime=1h
esp=aes256-sha512-modp4096-noesn
right=2001:1b70:8294:4700:16
keyexchange=ikev2
leftcert=vpnClientCert.pem
leftid="CN=IPSEC,O=strongSwan,C=IN"
rightid="C=IN,O=strongSwan,CN=IPSEC"
auto=add

Please find the detailed information as an attachment.

Thanks & Regards,
Sowmya Pola.