NETGEAR Application Note

Creating a VPN Policy for the FVX538 or FVS338 ProSafe® VPN Firewall with a Remote Endpoint of 0.0.0.0

Summary

This application note describes how to configure a VPN policy to support a remote gateway IP set to 0.0.0.0.on one WAN interface of a NETGEAR FVX538 or FVS338 ProSafe VPN Firewall. This is an updated version using the version 2.x router firmware.

Procedure

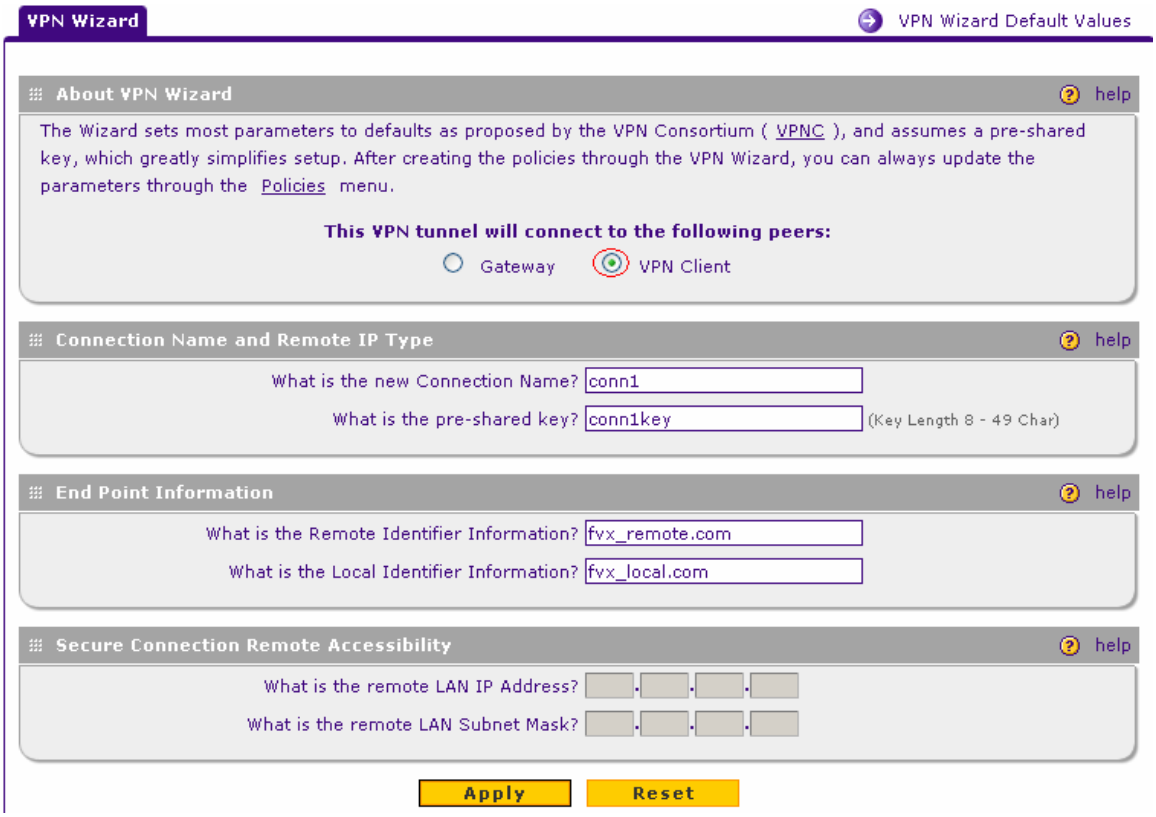
This application note describes how to create a VPN Client policy using the VPN Wizard and then editing that policy to set a remote endpoint of 0.0.0.0. It also describes how to set the remote endpoint to 0.0.0.0. for VPN policies that were manually created.

This procedure was tested using the following:

- NETGEAR FVX538 ProSafe VPN Firewall with version V 2.x firmware
  - IP address subnet: 192.168.1.1; 255.255.255.0

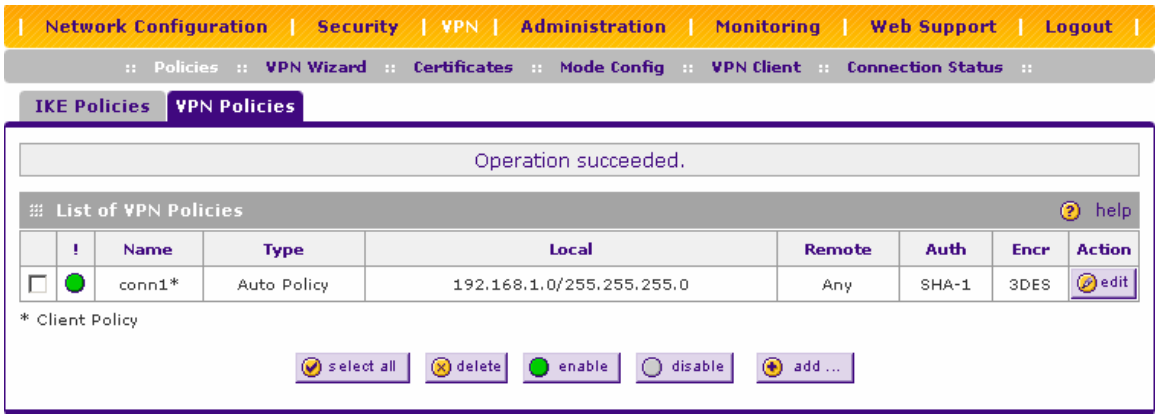
Using the VPN Wizard to Create a VPN Policy

1. From the **VPN** menu, select the **VPN Wizard** submenu.
2. Select the **VPN client** radio button.
3. Type the connection name and preshared key.
4. Click **Apply**.

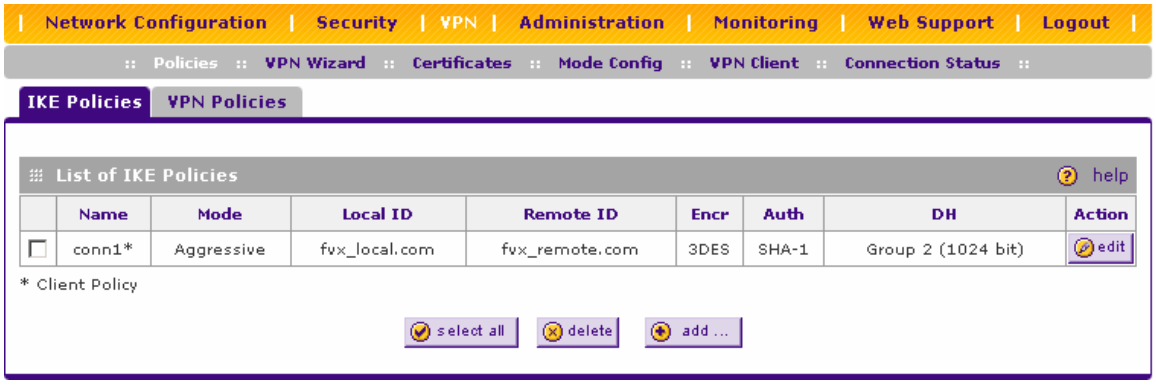


Verifying the IKE and VPN policy

1. From the **VPN** menu, select **Policies**.
2. Select the **VPN Policies** tab to verify that the VPN policy is in the list.

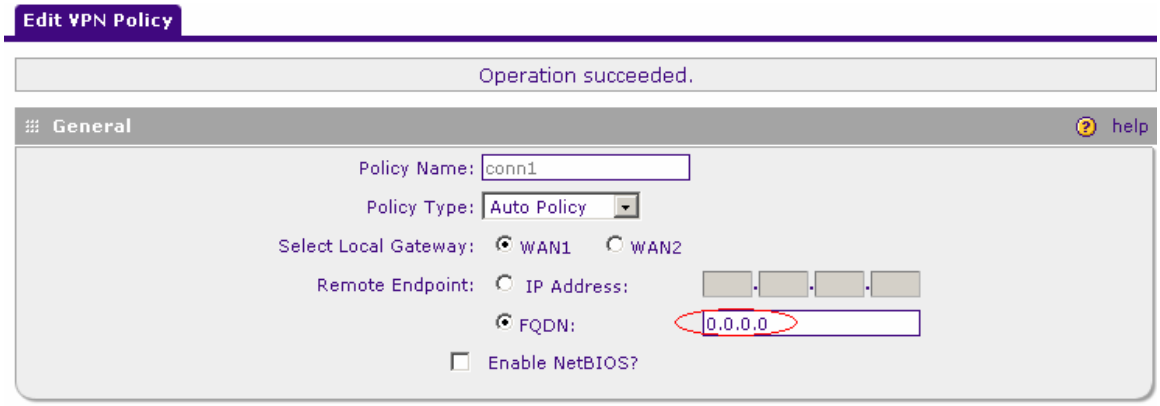


3. Select the **IKE Policies** tab to verify that the IKE policy is in the list.

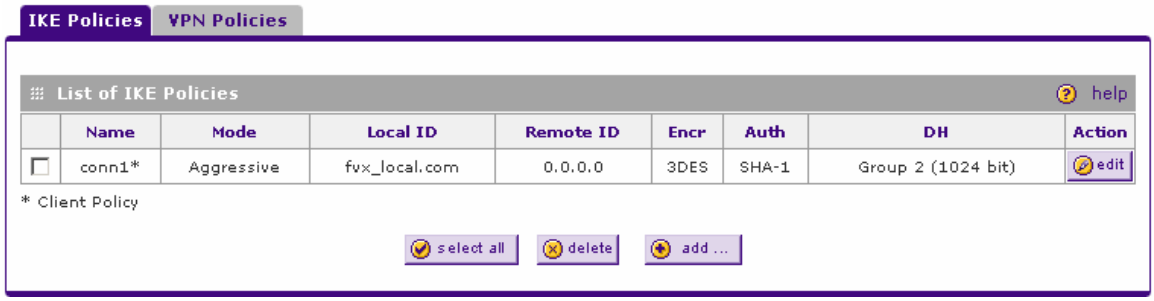


Modifying the Remote Endpoint Address

1. From the **VPN** menu, select the **Policies** submenu.
2. Select the **VPN Policies** tab, and click **Edit** for the VPN policy you created (in this example conn1)..
3. From the **Edit VPN Policy screen, u**nder **Remote Endpoint**, select the **FQDN** radio button, and then change the address from fvx_remote.com to 0.0.0.0.



4. Select the **IKE Policies** tab to verify that the VPN policy of 0.0.0.0 is in the list.

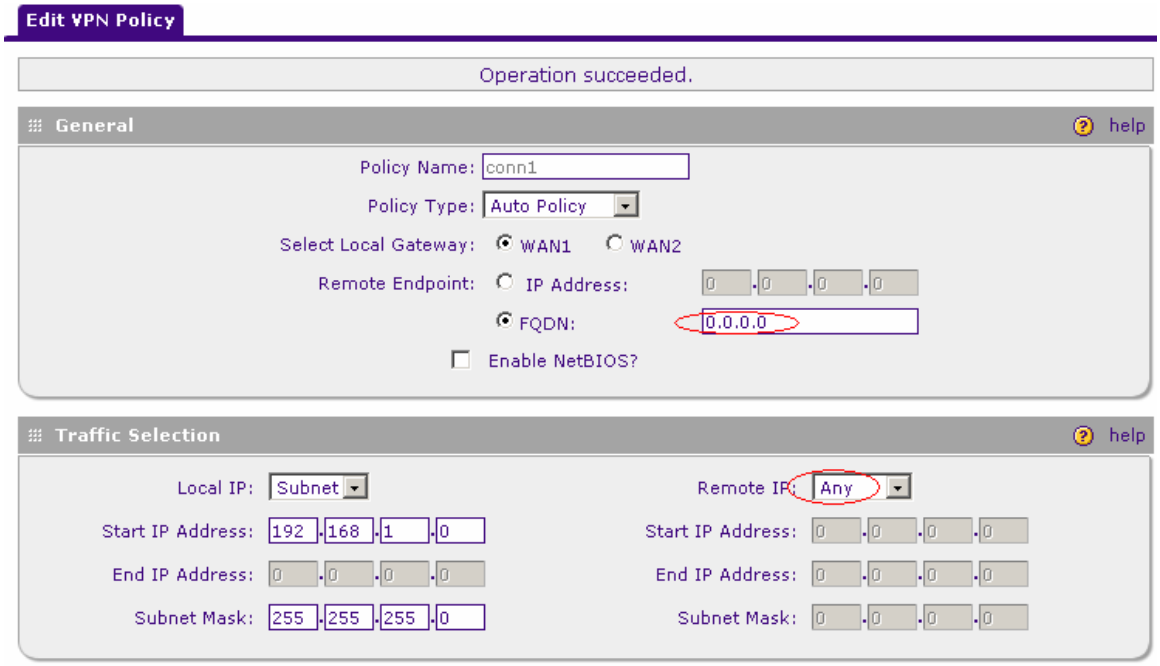


Setting the Remote Endpoint Address for a Manually Created VPN Policy

After you manually add an IKE and VPN policy, you can manually set the remote endpoint address.

To manually set the remote endpoint address:

1. From the **VPN** menu, select the **Policies** submenu.
2. Select the **VPN Policies** tab, and then click **Edit** for the VPN policy you want to edit (in this example, conn1.).
3. When the **Edit VPN Policy** screen displays, set the **Remote Endpoint** to **FQDN**, and type **0.0.0.0**
4. From the **Remote IP** drop-down menu, select Any.



If these two fields are configured correctly, the policy will appear as a policy with an * in the IKE and VPN policy tables showing that they are configured as client policies. If the FQDN field contains 0.0.0.0, the behavior of this policy will be identical to a policy configured using the VPN Wizard.

Conclusion

This configuration can support remote endpoint having dynamic IP address without using an FQDN name.

November 27, 2006

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