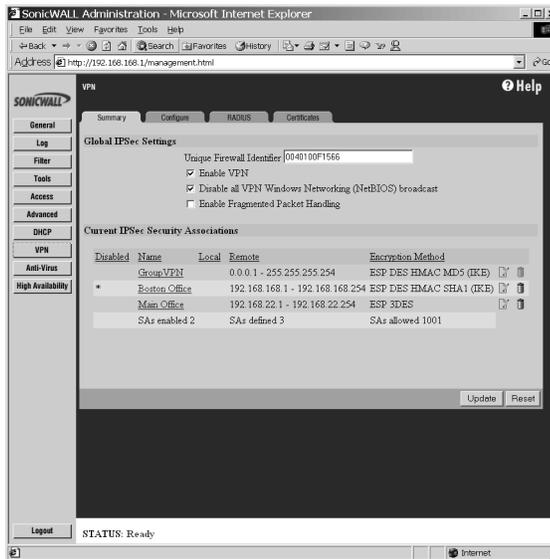


## Enabling Group VPN on the SonicWALL

Click **VPN** on the left side of the SonicWALL browser window, and then click the **Configure** tab at the top of the window.



The SonicWALL **VPN** tab defaults to a **Group VPN** setting. This feature facilitates the set up and deployment of multiple VPN clients by the administrator of the SonicWALL appliance. Security settings can now be exported to the remote client and imported into the remote VPN client settings. **Group VPN** allows for easy deployment of multiple VPN clients as it eliminates the need to individually configure remote VPN clients. **Group VPN** is only available for VPN clients and it is recommended to use Authentication Service or XAUTH/RADIUS in conjunction with the Group VPN for added security.

To enable **Group VPN**, follow the instructions below:

1. Click **VPN** on the left side of the management station interface.
2. Click on **Group VPN**. The **Security Association** default setting is **Group VPN**.
3. Configure the **Group VPN** to use either **IKE using Preshared Secrets** or **IKE using Certificates**. To use certificates, an **Authentication Service** upgrade must be purchased.
4. Select **Group 2** from the **Phase 1 DH Group** menu.
5. Enter the **SA Life Time** value in minutes. A value of 28800 seconds (8 hours) is recommended.
6. Select **DES & SHA1** from the **Phase 1 Encryption/Authentication** menu.

7. Select **Encrypt and Authenticate (ESP DES HMAC MD5)** from the **Phase 2 Encryption/Authentication** menu.
8. Type the **Shared Secret** in the **Shared Secret** text box or use the **Shared Secret** automatically generated by the SonicWALL. The **Shared Secret** should consist of a combination of letters and numbers rather than the name of a family member, pet, etc. It is also case-sensitive.
9. Click **Advanced Settings** to open the window. Check any of the following boxes that apply to your SA:
  - **Require XAUTH/RADIUS (Only allows VPN clients)** if using a RADIUS server.
  - **Enable Windows Networking (NetBIOS) broadcast** - if remote clients use Windows Network Neighborhood to browse remote resources.
  - **Apply NAT and firewall rules** - to apply NAT and firewall rules to the SA or just firewall rules if in Standard mode.
  - **Forward packets to remote VPNs** - if creating a "hub and spoke" network
  - **Enable Perfect Forward Secrecy** - creates additional security by generating an additional Phase 2 DH key exchange.
  - **Phase 2 DH Group** - generates a additional key exchange.
  - **Default LAN Gateway** - The **Default LAN Gateway** field allows the network administrator to specify the IP address of the default LAN route for incoming IPSec packets for this SA
10. Click **Update** to enable the changes.

To export the **Group VPN** settings to remote VPN clients, click on **Export** next to **VPN Client Configuration File**. The security file can be saved to a floppy disk or e-mailed to a remote VPN client. The **Shared Secret**, however, is not exported, and must be entered manually by the remote VPN client.

***Note:** You must use the **Group VPN Security Association** even if you have only one VPN client to deploy. The **Group VPN Security Association** defaults to the **Simple Configuration** previously available in firmware version 5.1.1. If you have only one client to deploy, you may want to consider **Manual Key Configuration** for your appliance and client.*

### **Installing the VPN Client Software**

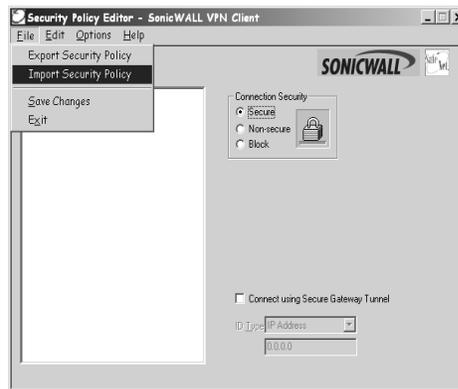
1. When you register your SonicWALL or SonicWALL VPN Upgrade at <<http://www.mysonicwall.sonicwall.com>>, a unique VPN client serial number and link to download the SonicWALL VPN Client zip file is displayed.
2. Unzip the SonicWALL VPN Client zip file.
3. Double-click **setup.exe** and follow the VPN client setup program step-by-step instructions. Enter the VPN client's serial number when prompted.
4. Restart your computer after you have installed the VPN client software.

For detailed instructions on installing the client software, download the **Client Installation Guide** available at <http://www.sonicwall.com/documentation.html>.

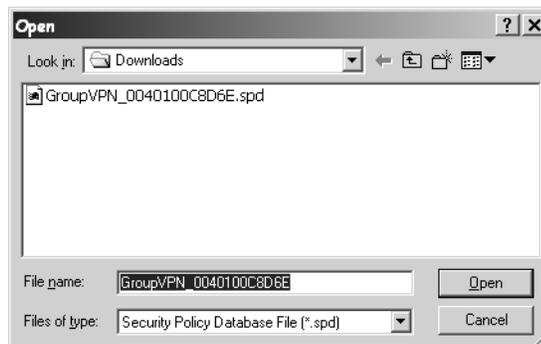
## Group VPN Client Configuration

To import the **Group VPN** security policy into the Client, use the following steps:

1. Open the **VPN Client**. Click **File**, and then **Import Security Policy**.

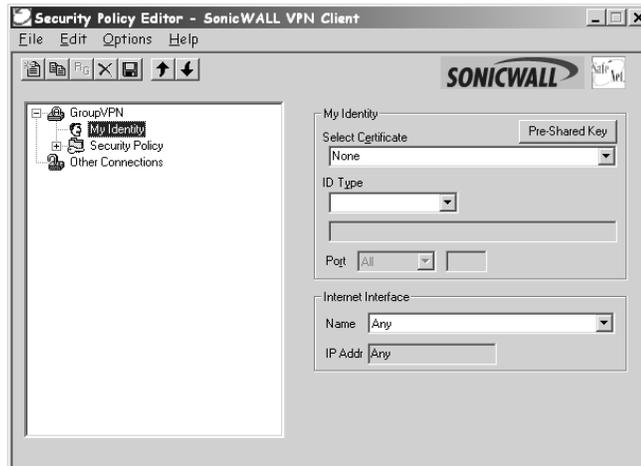


2. A file location box appears which allows searching for the location of the saved security file. Select the file, and click **Open**.



3. A dialogue box asking to import the security file appears. Click **Yes**, and another box appears confirming the file is successfully imported into the client. The client application now has an imported **Group VPN** policy.

- Click the + sign next to **Group VPN** to reveal two sections: **My Identity** and **Security Policy**. Select **My Identity** to view the settings.

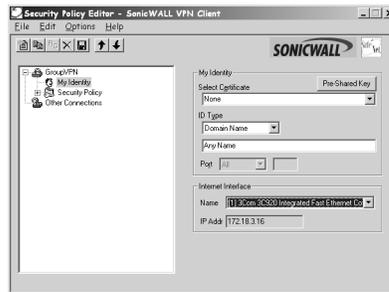


- Click **Pre-Shared Key** to enter the **Pre-Shared Secret** created in the **Group VPN** settings in the SonicWALL appliance. Click **OK**.

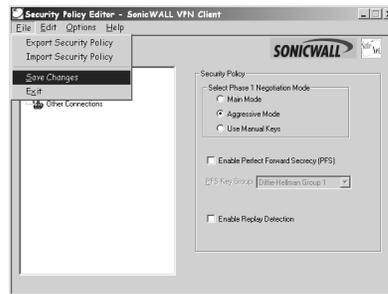


- Select **None** in the **Select Certificate** menu, and select **Domain Name** in the **ID Type** menu. Enter any word or phrase in the field below the **ID Type** menu. Do not leave this field blank.

7. In the **Internet Interface** box, select the adapter used to access the Internet. Select **PPP Adapter** in the **Name** menu if you have a dial-up Internet account. Select your **Ethernet adapter** if you have a dedicated Cable, ISDN, or DSL line.



8. Click **File**, then **Save Changes** to save the settings to the security policy.



There is no need to configure the **Security Policy** as it is imported directly into the **Client** application. Exporting the security association to a file facilitates configuration of a large number of VPN clients and eliminates the need to configure each client individually.

**Group VPN** may also be configured using digital certificates in the **Security Association** settings. For more information on **Group VPN** configuration using digital certificates, refer to the **Authentication Service User's Guide** on the SonicWALL website: <<http://www.sonicwall.com/vpn-center/vpn-setup.html>>.