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## How to Configure Connection Fallback using Multiple VPN Gateways

<https://campus.barracuda.com/doc/46207305/>

Configure the Barracuda VPN Client for Windows to silently switch to fallback VPN gateways when a VPN gateway is not reachable, such as when the client is used in different corporate networks or geographic locations. A working VPN connection is always available and the appropriate gateway is automatically selected.

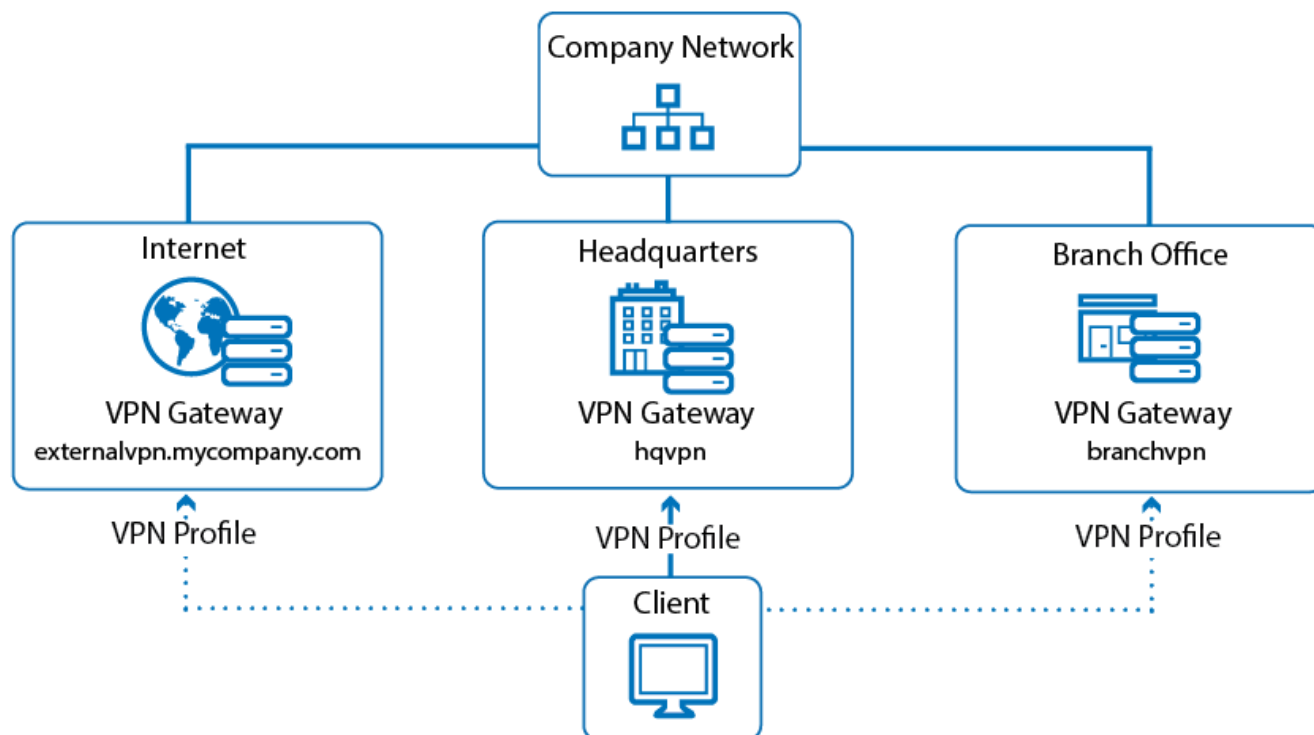
### Example Scenario

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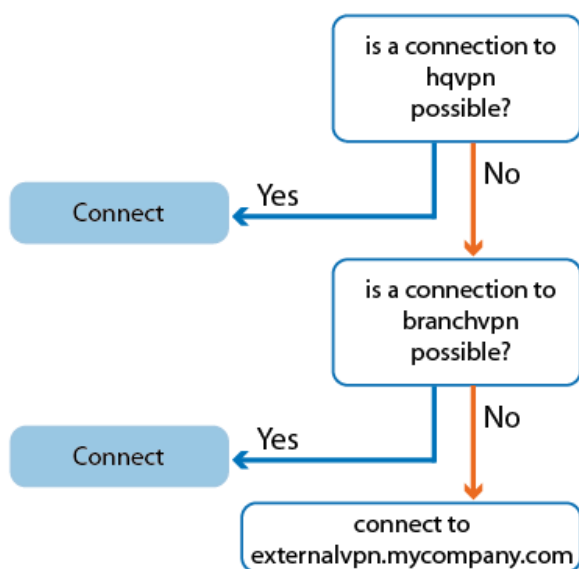
In this example, three VPN profiles are used to connect to a corresponding gateway into the company network:

- **externalvpn.mycompany.com** – The gateway to be used when the client is not connected to a corporate network.
- **hqvpn** – The gateway to be used within the company HQ network.
- **branchvpn** – The gateway to be used within a branch office network.

These VPN profiles are configured as part of a fallback chain that will be used by the VPN client to find the appropriate gateway. You can initiate a VPN connection using the **hqvpn** profile that is set as the default VPN profile. If necessary, the VPN client will try each configured VPN profile in the fallback chain until it can establish a connection.



### Fallback chain:



### Configure the VPN Profiles

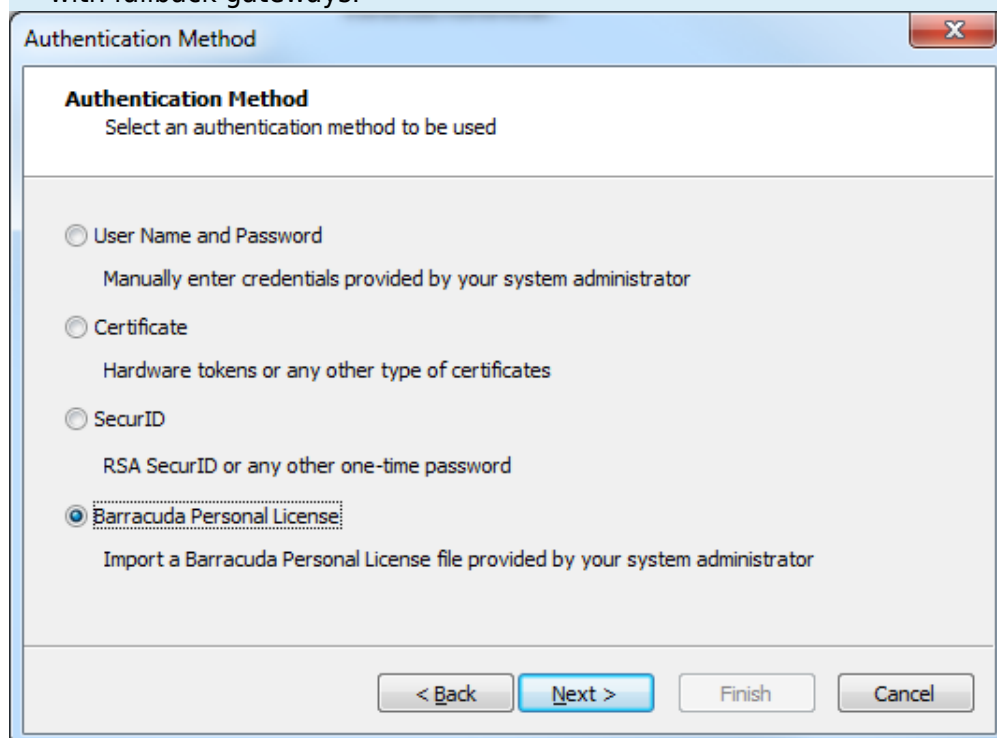
Configure the VPN profiles for the three gateways as shown in the example scenario.

## Step 1. Set up the VPN Gateways

Create a VPN profile for each of the three VPN gateways.

1. In the **Barracuda VPN Client** window, click **Preferences**. The **Barracuda VPN Control** window opens.
2. Click **New** in the left navigation pane to launch the **Profile Wizard**. You can also right-click the window's main area and select **New (Wizard)** or **New**.
3. In the **Remote Server** field, enter the IP address or host name of the first gateway. E.g.: `externalvpn.mycompany.com`
4. Select the **Remember my user name** check box so that the client will reconnect to this server without prompting users for their username.
5. Click **Next**.
6. On the **Authentication Method** screen, select your authentication method:
  - If you choose **User Name and Password**, you must configure additional settings to save the password locally if you do not want the client to constantly prompt users for a password when changing gateways.
  - To automatically reconnect in the background, select **Certificate** or **Barracuda Personal License**.

Do not select **SecurID** because it uses one-time passwords, which are not suitable with fallback gateways.

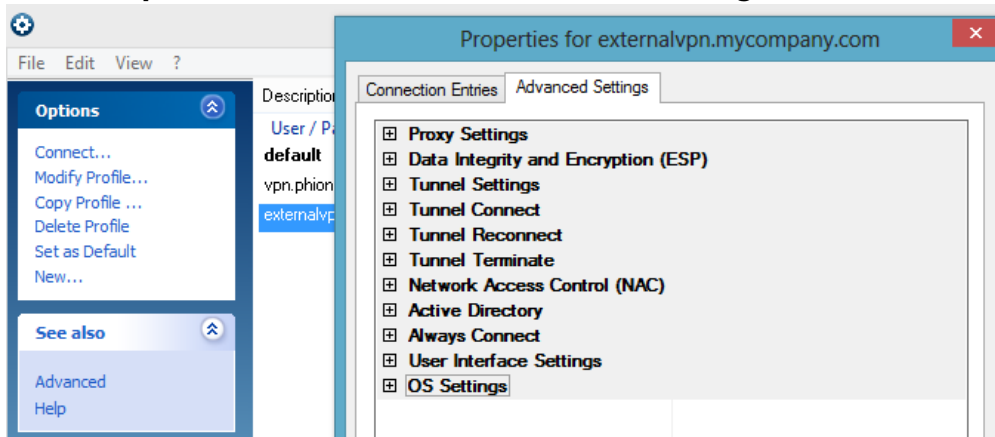


For more information on configuring a profile and choosing the correct authentication method, see [How to Create VPN Profiles](#).

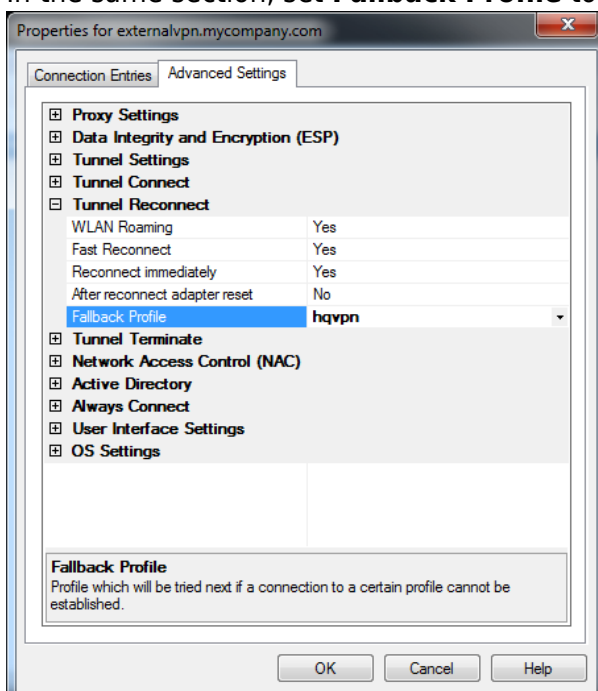
7. Configure the two remaining profiles with your respective parameters. The two remaining profiles used in the example scenario are named `hqvpn` and `branchvpn`, and they point to identically named VPN servers.

**Step 2. Configure externalvpn.mycompany.com**

1. In the **Barracuda VPN Control** window, right-click the **externalvpn.mycompany.com** entry and select **Modify Profile**.
2. In the **Properties** window, click the **Advanced Settings** tab.



3. In the **Tunnel Connect** section, set **Enable VPN Tunnel Probing** to **Yes**. This setting ensures that the client will always use the fastest available gateway.
4. In the **Tunnel Reconnect** section, set **WLAN Roaming**, **Fast Reconnect**, and **Reconnect immediately** to **Yes**.
5. In the same section, set **Fallback Profile** to **hqvpn**.



With this option set, the next gateway in the chain will be tried if the primary gateway is not reachable.

6. Because the **externalvpn.mycompany.com** gateway is used when the client is not connected to the company network, you should disable it in the company network.
7. Although the external URL of a company's VPN server should not be reachable from within a cleanly configured company network, you can accelerate the switch to the next fallback profile by enabling the client to detect the company's Active Directory (AD) service.

In the **Active Directory** section, configure the following settings:

- Set **Probe Active Directory** to **Yes**.
- In the **Active Directory IP** field, you can enter one or more known IP addresses for the MSAD service to help the client quickly detect the AD service.

8. In the **User Interface Settings** section, configure the following settings:

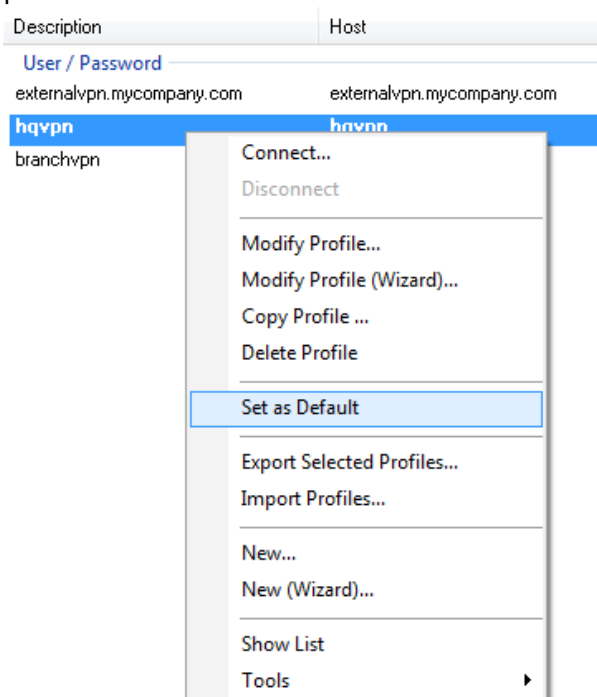
- If you configured username and password authentication, set **Remember login user name** to **Yes** to disable login prompts.
- To store credentials after they are entered, set **Use MS Credential Manager** to **Local**.
- To disable the informational pop-up window that displays connection status changes, set **Show Popup** to **No**.

9. Click **OK** to save the configuration.

### Step 3. Configure hqvpn

Configure the hqvpn profile with the same settings as the external profile, with these three exceptions:

1. In the **Tunnel Reconnect** section, set **Fallback Profile** to **branchvpn**. This way, the branch network's VPN gateway is defined to be the next gateway in the chain.
2. Disable Active Directory probing. In the **Active Directory** section, set **Probe Active Directory** to **No**.
3. Define hqvpn as the default profile by right-clicking its list entry in the **Barracuda VPN Control** window and selecting **Set as Default**. The client will automatically start with this profile in the fallback chain when it tries to establish a connection.



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### Step 4. Configure branchvpn

Configure the branchvpn profile with the same settings as the hqvpn profile, with these two exceptions:

- In the **Tunnel Reconnect** section, set **Fallback Profile** to **externalvpn.mycompany.com**. This closes the fallback chain so that the external VPN gateway will be tried next if none of the company's internal VPN gateways is reachable.
- Do not select **branchvpn** as the default profile.

## Figures

1. vpn\_fallback.png
2. fallback\_chain.png
3. vpn\_auth.png
4. vpn\_adv.png
5. vpn\_adv\_fallback.png
6. vpn\_set\_default.png

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