

How to Create and Apply User Objects for VPN Users

<https://campus.barracuda.com/doc/41115935/>

In user objects, you can enter either X.509 certificate patterns or VPN user patterns to reference VPN users and groups. With use of the [Barracuda Network Access Client](#), you can also reference users by policy role patterns.

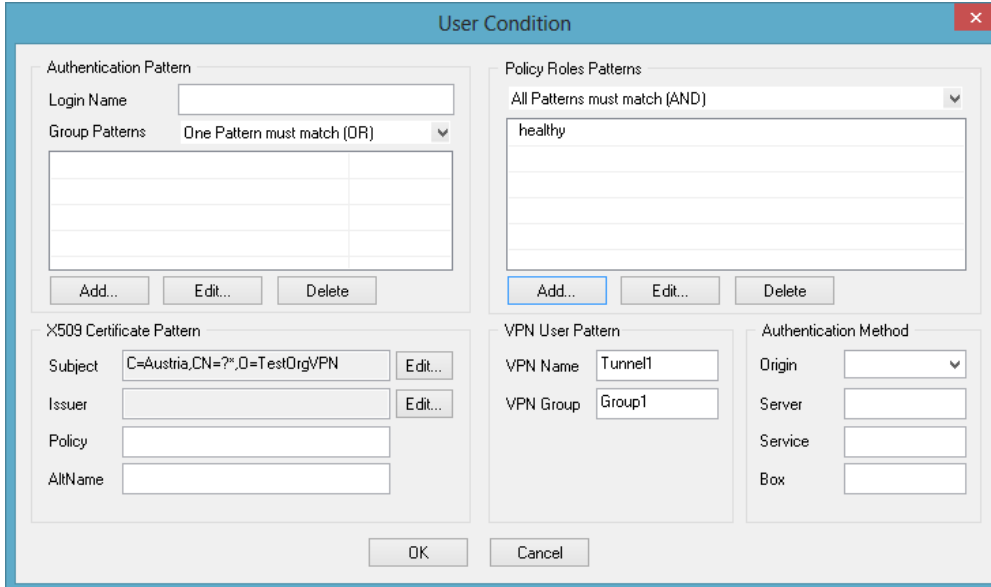
Combining fields is also possible. For example, you can enforce a VPN connection (by entering required VPN user patterns) *and* require a matching X.509 certificate to be installed in the browser application (by entering required X.509 certificate patterns).

In this article:

Create a User Object for VPN Users

1. Open the **Forwarding Rules** page (**Config > Full Config > Virtual Servers > your virtual server > Assigned Services > Firewall > Forwarding Rules**).
2. Click **Lock**.
3. From the left **Firewall Objects** menu, select **Users and Groups**.
4. Right-click the table and select **New**.
5. In the **Edit/Create User Object** window, enter a **Name** for the user object. For example: VPN Users
6. Click **New** to add a user condition. The **User Condition** window opens.
7. If you are using the [Barracuda Network Access Client](#), enter the policy roles patterns in the **Policy Roles Patterns** section.
 1. Select the required condition from the list.
 2. Click **Add** and select one or more patterns. If a condition must not apply, select the **Negative Match** check box.
8. To use a certificate, click **Edit** in the **X509 Certificate Pattern** section and specify the certificate conditions:
 - **Subject/Issuer** – The subject/issuer of the affected X.509 certificate.
If multiple subject parts (key value pairs) are required, separate them with / (for example, OU=test1 and OU=test2 are required, select OU and enter test1/test2). Using wildcards (?, *) is allowed. Take into consideration that order is mandatory.
 - **Policy/AltName** – The ISO number and the SubjectAltName according to the certificate.
9. If applicable, enter the required VPN login and group policy the object has to apply to in the **VPN User Pattern** section:
 - **VPN Name** – The required VPN login name. Using wildcards (?, *) is allowed.
 - **VPN Group** – The required VPN group policy that the object has to apply to.
 - **Authentication Method** – In this section, you can specify the following settings:

- **Origin** – Defines the type of originator (see [User Objects](#)).
- **Server/Service/Box** – Allows enforcing authentication on a certain server/service/box.



10. Click **OK**.
11. After you specify the conditions for all of the users that you want to include in this object, click **OK** to create the user object.
12. Click **Send Changes** and **Activate**.

If you are using Offline Authentication, ensure that user-specific rules are sequenced after the fwauth rule (see [How to Configure Offline Firewall Authentication](#)).

Apply a User Object to a Firewall Rule

To apply a configured user object to a firewall rule:

1. Open the **Forwarding Rules** page (**Config > Full Config > Virtual Servers > your virtual server > Firewall > Forwarding Rules**).
2. Click **Lock**.
3. Edit the firewall rule that you want to apply the user object to.
4. From the **Authenticated User** list, select the time object.
5. Click **OK**.
6. Click **Send Changes** and **Activate**.

Figures

1. VPN_user_object.png

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