How to Configure VPN Authentication for SMS PASSCODE

https://campus.barracuda.com/doc/53248376/

SMS PASSCODE offers strong authentication via SMS messaging on mobile phones. It provides out-of-the-box protection of standard login systems such as Citrix, Cisco, Microsoft, other IPsec and SSL VPN systems as well as websites. Follow the steps in this article to configure VPN authentication for SMS PASSCODE.

Step 1. Enable RADIUS Authentication

1. Go to **CONFIGURATION > Configuration Tree > Box > Infrastructure Services > Authentication Service**.
2. In the left menu, select **RADIUS Authentication**.
3. Click **Lock**.
4. From the **Activate Scheme** field, select **Yes**.
5. In the **Radius Server Address** field, enter the IP address of the IAS/NPS server as the SMS PASSCODE RADIUS authentication client.
   The **Radius Server Key** must match the **Shared Secret** on the server. The shared secret can consist of small and capital characters, numbers, and non alpha-numeric symbols, except the hash sign (#).
6. Click **Send Changes** and **Activate** .

Step 2. Configure the Client-to-Site VPN

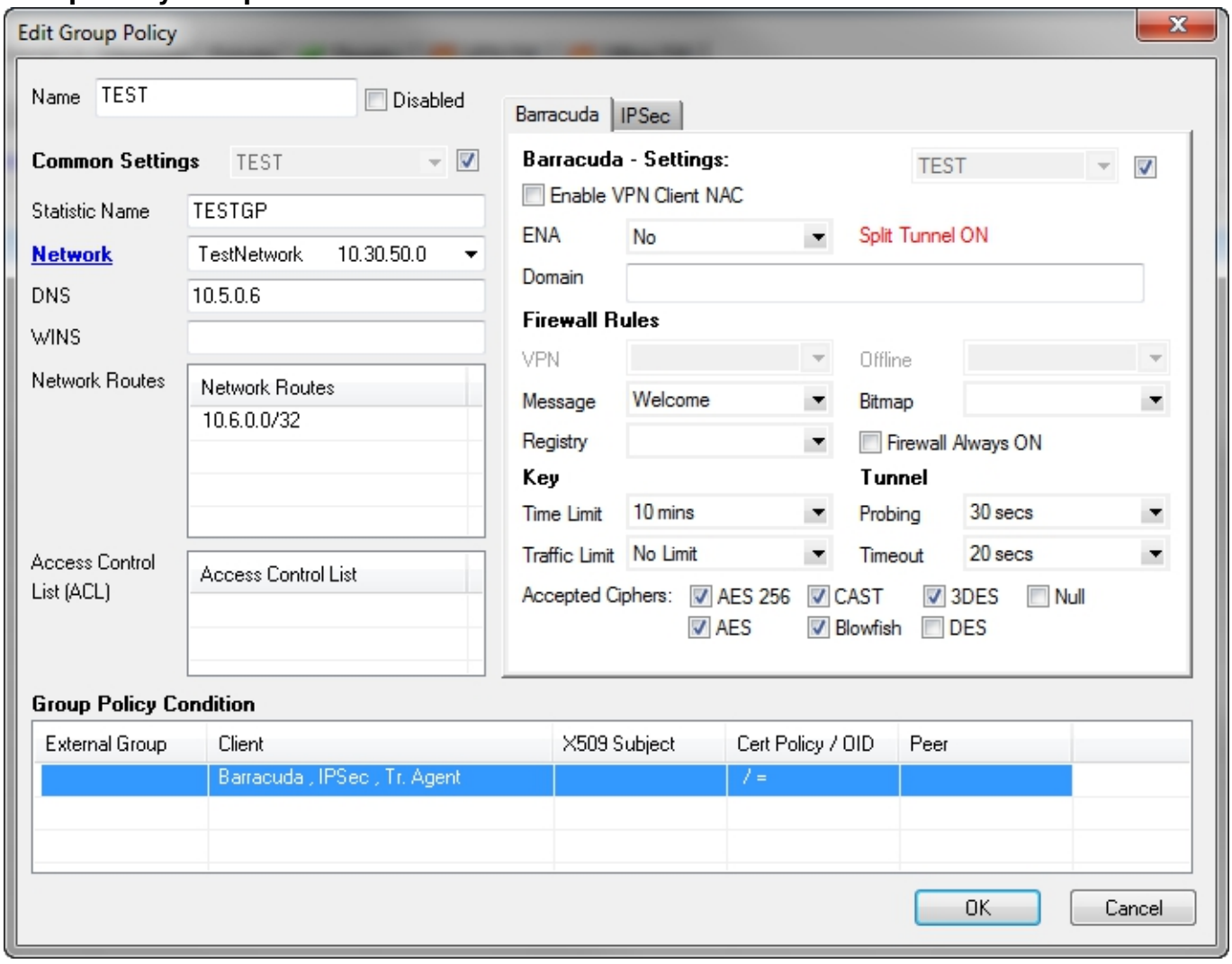
1. Go to **CONFIGURATION > Configuration Tree > Box > Virtual Servers > *your virtual server* > Assigned Services > VPN-Service > Client to Site**.
2. Click **Lock**.
3. Click the **External CA** tab and then click the **Click here for options** link.
4. In the **Group VPN Settings** window, select the **External Authentication** check box.
5. From the **Authentication Scheme** list, select **radius**.
6. Click **OK**.
7. Click **Send Changes** and **Activate**.

Step 3. Create a Group Policy

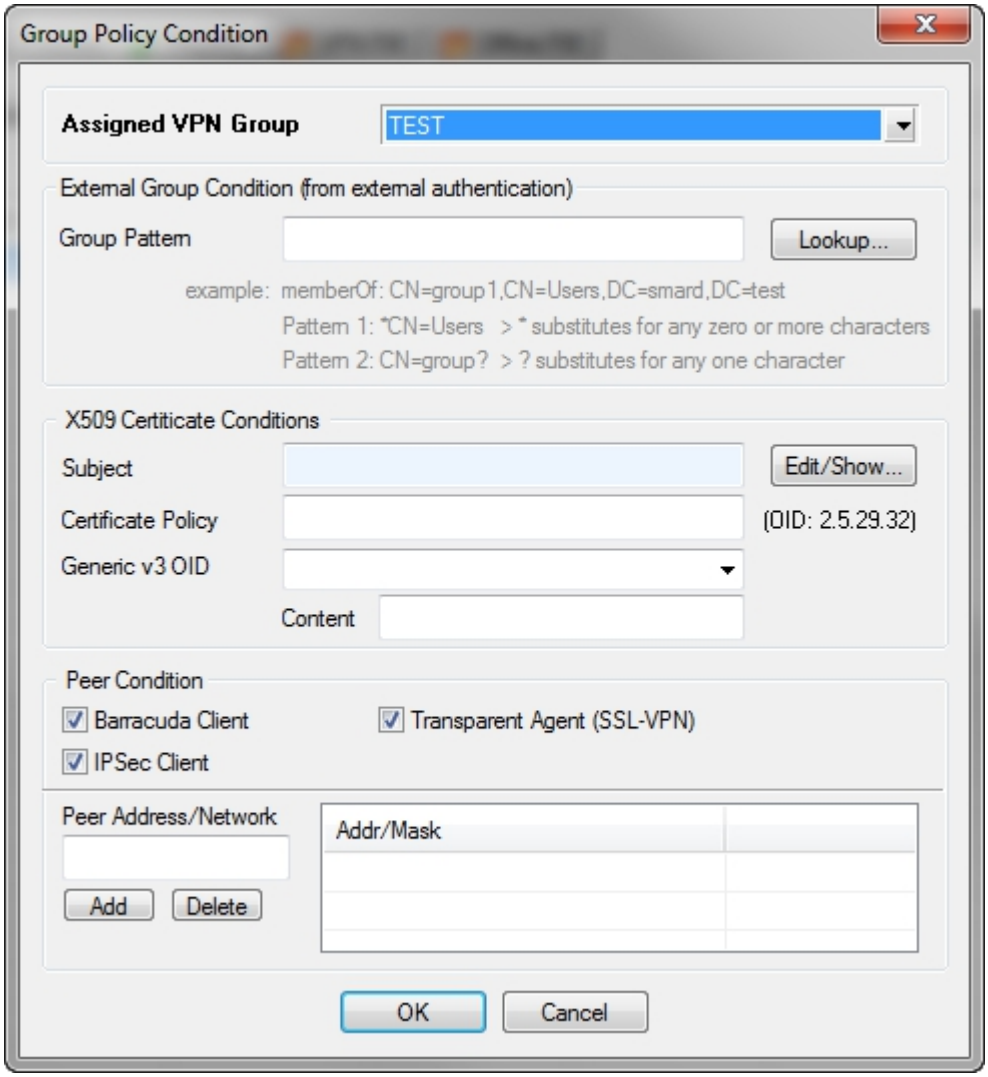
Create a **Group Policy** with the corresponding **Group Policy Condition** to allow access from the client.

It is possible to limit to **Group Pattern** (groups sent in the **Login-LAT-Group** attribute).

Group Policy Setup

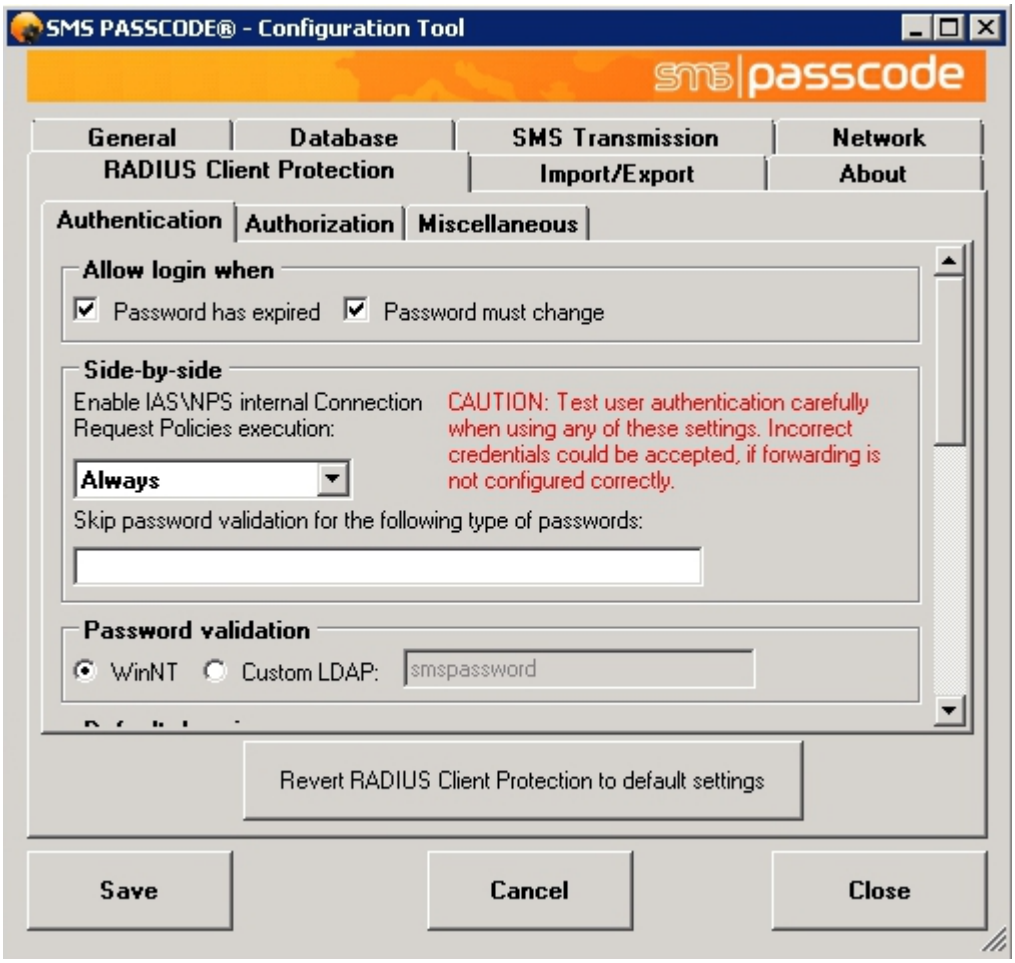


Group Condition Setup



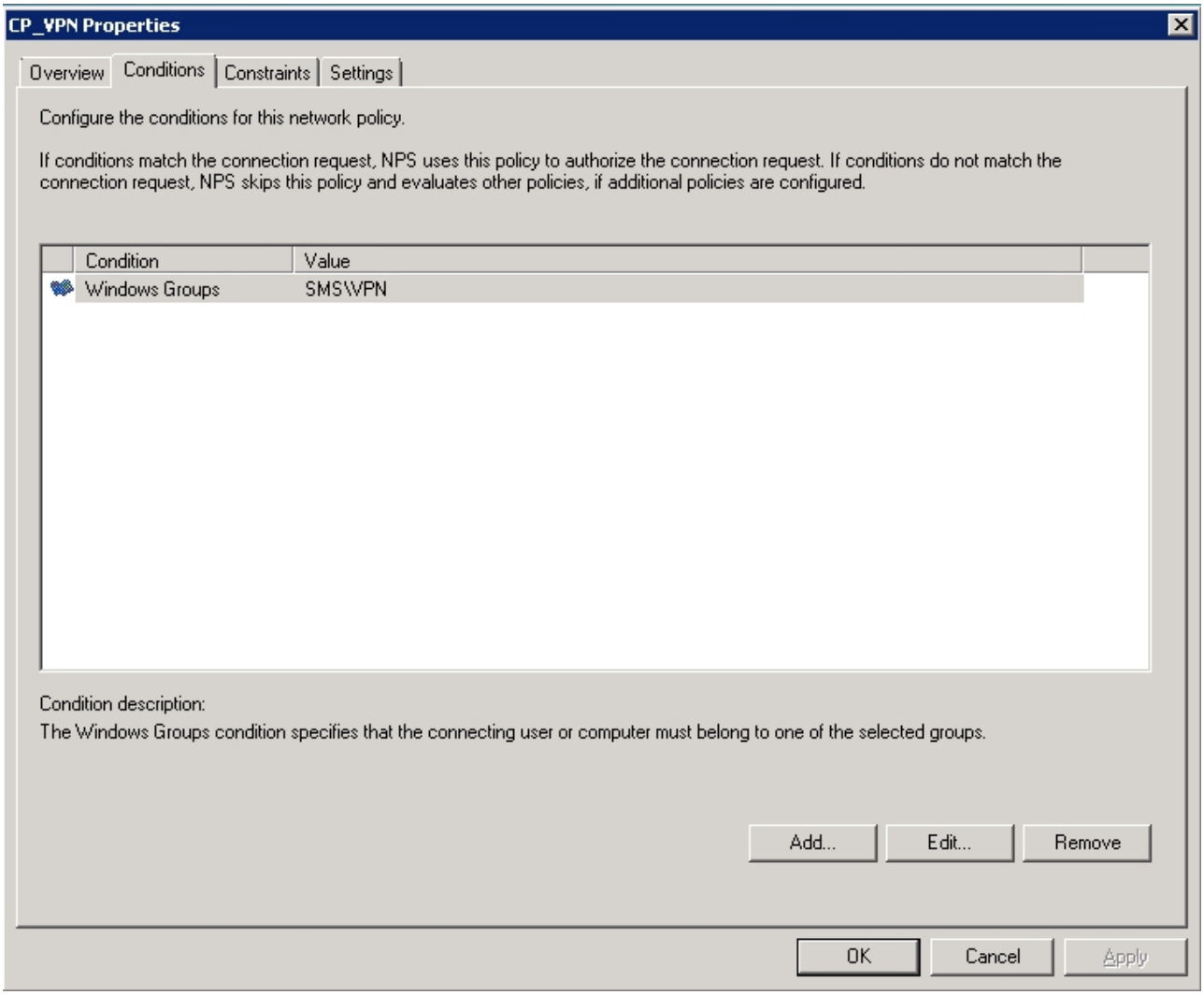
Step 4. Configure SMS PASSCODE

1. Install and configure the RADIUS client according to the "SMS PASSCODE Administrator's Guide."
2. From the **Authentication** tab in the **SMS PASSCODE - Configuration Tool** window, select **Always** from the **Request Policies execution** list in the **Side-by-side** section.
   See the following figure:

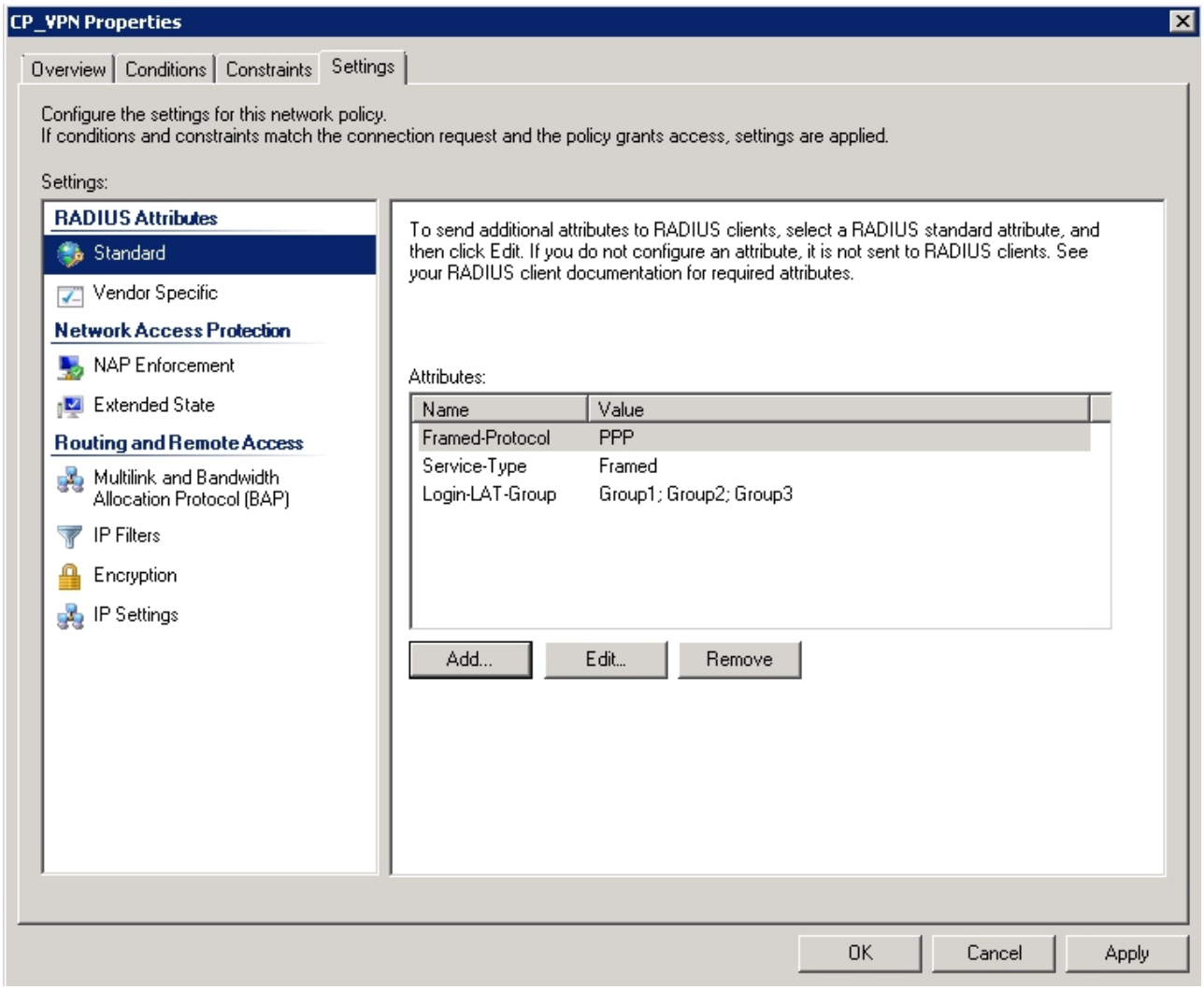


3. Open the Microsoft Windows Network Policy Server (IAS/NPS) and create a network policy. Open the policy and choose the Windows groups containing the users.

   The user must be a member of the group. For more details, see the "SMS PASSCODE Administrator's Guide."



4. To send group names to the RADIUS client, configure the **Login-LAT-Group** attribute.


CP_VPN Properties
Overview
Conditions
Constraints
Settings
Configure the settings for this network policy.
If conditions and constraints match the connection request and the policy grants access, settings are applied.
Settings:
RADIUS Attributes
Standard
Vendor Specific
Network Access Protection
NAP Enforcement
Extended State
Routing and Remote Access
Multilink and Bandwidth Allocation Protocol (BAP)
IP Filters
Encryption
IP Settings
To send additional attributes to RADIUS clients, select a RADIUS standard attribute, and then click Edit. If you do not configure an attribute, it is not sent to RADIUS clients. See your RADIUS client documentation for required attributes.
Attributes:
Name
Value
Framed-Protocol
PPP
Service-Type
Framed
Login-LAT-Group
Group1; Group2; Group3
Add...
Edit...
Remove
OK
Cancel
Apply

Figures

1. gr_policy.jpg
2. pol_cond.jpg
3. sms_pass.jpg
4. pass_admin.jpg
5. lat_login.jpg