

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**.

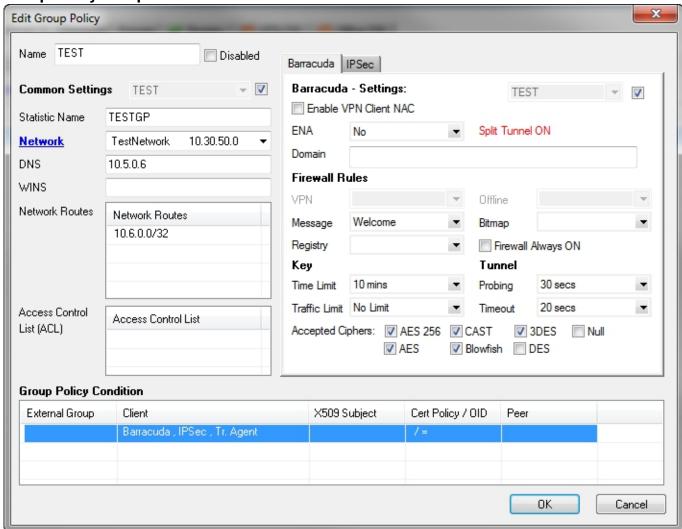
Step 3. Create a Group Policy

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



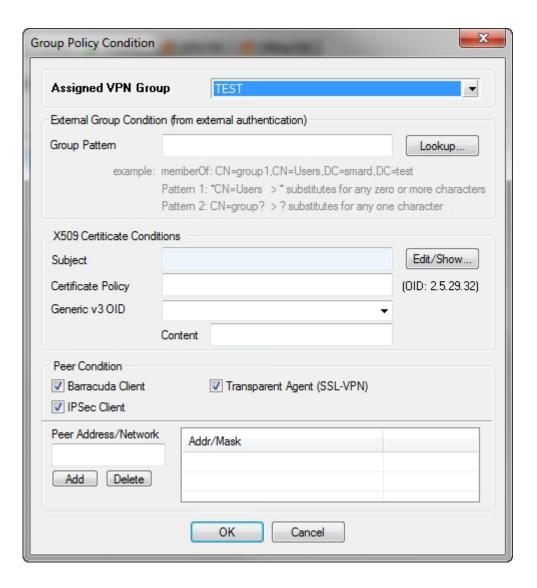
It is possible to limit to **Group Pattern** (groups sent in the **Login-LAT-Group** attribute).

Group Policy Setup



Group Condition Setup

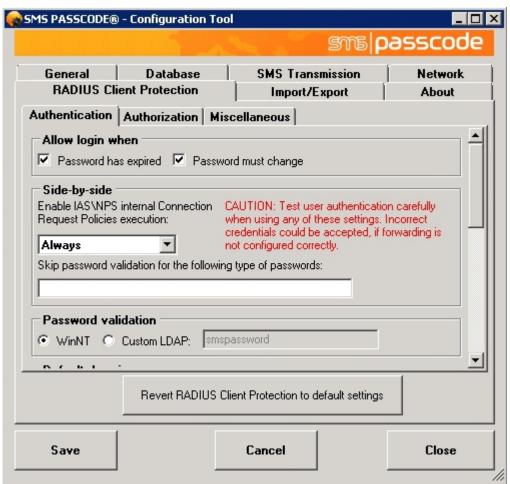




Step 4. Configure SMS PASSCODE

- Install and configure the RADIUS client according to the "SMS PASSCODE Administrator's Guide."
- 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:

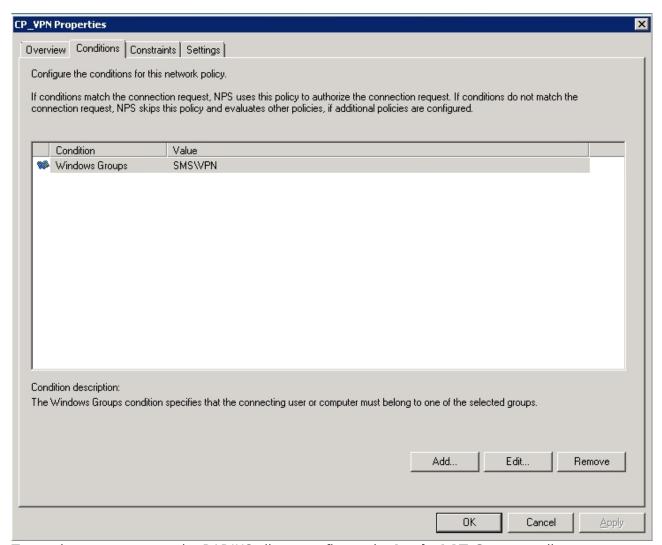




3. Open the Microsoft Windows Network Policy Server (IAS/NPS) and create a network policy. Open the policy and choose the Windows groups containing the users.

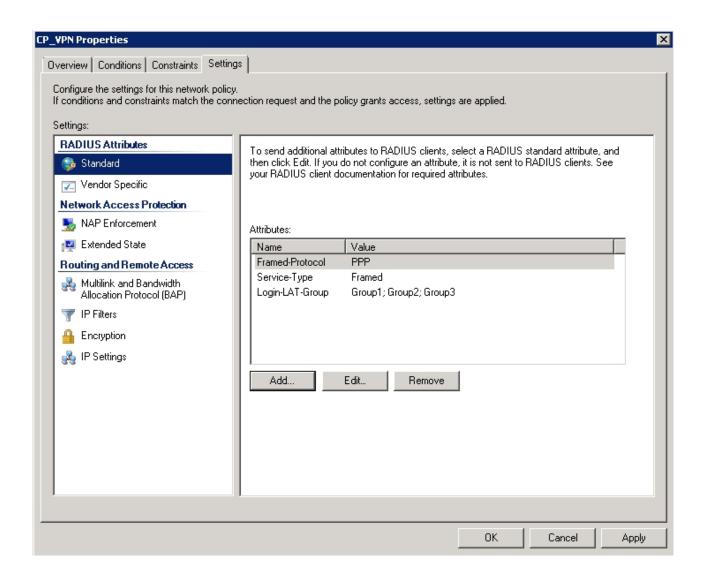
The user must be a member of the group. For more details, see the "SMS PASSCODE Administrator's Guide."





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





Barracuda CloudGen Firewall



Figures

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

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