

How To Configure NPS and Active Directory For Dynamic Radius based Vlan assignment

<https://community.cambiumnetworks.com/t/how-to-configure-nps-and-active-directory-for-dynamic-radius-based-vlan-assignment/55086>

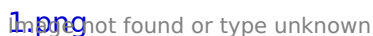
This document is to describe the steps to configure NPS(network policy server)server with below use case

- Vlans need to be assigned based on different Radius group i.e Sales group to Vlan 10

Account group to Vlan 20.

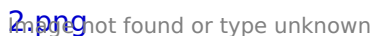
Steps:-

1. Open Active directory Users and Computers. Right click on Users
.Create a new group.

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2. Give group name Vlan10(User is free to use any name)

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3. Like these create as many groups required.

Make the group part of Domain Users by clicking on Member of tab and then click on add.

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4. Add AD user. Click on Users and right click. Select New users. Give name xyz(User chosen)

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5. Give Username as xyz and click on OK

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6.

Click on properties of the created user xyz and click on Dial In tab. Select Allow access and then press OK.

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7.

Click on Member Of tab.

Add domain users and the radius group by clicking on Add button

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Adding group

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Adding domain users

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8. Press Ok . Now the user is part of the domain user and group .

Configuring NPS server

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9. Click on Network Policy and click on New

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10. Give policy name such as Vlan10_policy.Click on Next

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11. Click on Add button.

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12. Select User Groups and click on Add.

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13. Adding user group .Click on Add Groups

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14.

Click on Add Groups and add the configured AD group , in this example Vlan10.Click on OK

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15.

Add another condition in Network policy that is Nas port type

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16. Select Nas port type and then add. Select Wireless -IEEE 802.11

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17. Now Both the conditions are added.

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19. Click on constraints and select EAP methods that you want to be supported.

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20. Now click on Settings tab

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20. Click on Add button. Add three attributes
Select Tunnel-Pvt-Group-ID, Tunnel-Medium-Type, Tunnel-Type
Select Tunnel-Pvt-Group-ID

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21.
Click on Add . Then click on Add

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22. Select String radio button under “Enter the attribute value in ”. Configure the vlan ID that you want to configure and click OK.

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23. This way add Tunnel-Medium-Type and Tunnel-Type attributes as 802 (includes all 802 media plus Ethernet Calonical Format) and Tunnel-Type as Vlan

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Revision #1

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