

13.2.10 Lab: Configure a RADIUS Solution

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Time Spent: 02:27

Score: 0%

Task Summary

Required Actions

- ✗ Add the Network Policy Server role service to CorpNPS
- ✗ Configure RADIUS Clients on the NPS Server [Show Details](#)
- ✗ Configure the Sales Network Policy [Show Details](#)
- ✗ Configure BranchVPN1 as a RADIUS client [Show Details](#)
- ✗ Configure CorpVPN1 as a RADIUS Client [Show Details](#)

Explanation

To complete this lab, use the following information:

Server/Friendly name	IP address
CorpVPN1	192.168.0.20
BranchVPN1	192.168.20.20

- Configure routing and remote access on BranchVPN1 and CorpVPN1

Complete this lab as follows:

1. Add the Network Policy and Access Services Role.
 - a. From Server Manager, select **Manage > Add Roles and Features**.
 - b. Select **Next** to begin the Add Roles and Features Wizard.
 - c. Select **Next** to use the *Role-based or feature-based installation* type.
 - d. Select **Next** to use *Select a server from a server pool* and *CorpNPS.CorpNet.local* as the destination server.
 - e. Select the **Network Policy and Access Services** role.
 - f. Select **Add Features** to include management tools and then select **Next**.
 - g. Select **Next**.
 - h. Select **Next**.
 - i. Select **Next** to use the **Network Policy Server** role service.
 - j. Select **Install**.

- k. After the installation completes, select **Close**.
2. Configure clients on the RADIUS server.
 - a. From Server Manager, select **Tools > Network Policy Server**.
 - b. Maximize the windows for better viewing.
 - c. From the left pane, expand **RADIUS Clients and Servers**.
 - d. Right-click **RADIUS Clients** and then select **New**.
 - e. Enter the *Friendly name*.
 - f. Enter the *Address (IP or DNS)*.
 - g. At the bottom, in the *Shared secret* field, enter **J51nj3T%** as the shared secret.
 - h. In the *Confirm shared secret* field, re-enter the *shared secret*.
 - i. Select the **Advanced** tab.
 - j. In the *Vendor name* field, make sure **Radius Standard** is selected.
 - k. Select **OK**.
 - l. Repeat 2d–2k for additional Radius clients.
3. Create a network policy and add a group.
 - a. From the left pane, expand **Policies**.
 - b. Right-click **Network Policies** and select **New**.
 - c. Enter **Sales** in the Policy name field.
 - d. Using the *Type of network access server* drop-down list, select **Remote Access Server (VPN-Dialup)** and then select **Next**.
 - e. Select **Add** to add group membership as a condition.
 - f. Under *Groups*, select **User Groups** and then select **Add**.
 - g. Select **Add Groups**.
 - h. Enter **Sales** under *Enter the object names to select*.
 - i. Select **OK**.
 - j. Select **OK**.
 - k. Select **Next**.
 - l. Select **Next** to use the default of **Access granted**.
 - m. Select **Add**.
 - n. Select **OK** to use the default of *Microsoft: Smart card or other certificate*.
 - o. Under *Less secure authentication methods*, unmark all the *authentication methods* and then select **Next**.
 - p. Select **Next**, to use the default settings for the Configure Constraints dialog.
 - q. Select **Next**, to use the default settings for the Configure Settings dialog.
 - r. Select **Finish**.
4. Configure a RADIUS client.
 - a. From the top left, select **Sites**.
 - b. Select the *server* to be configured as a RADIUS Client.
 - c. From Server Manager, select **Tools > Routing and Remote Access**.
 - d. Right-click the *server* and select **Properties**.
 - e. Select the **Security** tab.
 - f. Use the *Authentication provider* drop-down list to select **RADIUS Authentication**.
 - g. Select **Configure**.
 - h. Select **Add**.
 - i. Enter **CorpNPS** in the Server name field.
 - j. Next to Shared secret, select **Change**.
 - k. In the *New secret* field, enter **J51nj3T%** as the secret.
This password must be identical to the one that was entered on the NPS server.
 - l. In the *Confirm new secret* field, re-enter the *shared secret*; then select **OK**.
 - m. Select **OK** to add the RADIUS server.
 - n. Select **OK** to close the RADIUS Authentication dialog.
 - o. Use the *Accounting provider* drop-down list to select **RADIUS Accounting**.
 - p. Select **Configure**.

- q. Select **Add**.
- r. Enter **CorpNPS** in the Server name field.
- s. Next to Shared secret, select **Change**.
- t. In the *New secret* field, enter **J51nj3T%** as the secret. This password must be identical to the one that was entered on the NPS server.
- u. In the *Confirm new* secret field, re-enter the ***shared secret***; then select **OK** to add the RADIUS server.
- v. Select **OK** to close the *Add RADIUS Server* dialog.
- w. Select **OK** to close the RADIUS Accounting dialog.
- x. Select **OK** to close server properties.
- y. Repeat step 4 to add the additional RADIUS Client.