13.2.8 Lab: Configure a Remote Access VPN

Candidate: Richard Habib ()
Time Spent: 01:13

Score: 0%

Task Summary

Required Actions

✕ Create a new certificate authority certificate   Show Details

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✕ Create a new server certificate named CorpNet

✕ Configure the VPN server   Show Details

✕ Configure the firewall rules   Show Details

✕ Set the OpenVPN server to Remote Access (User Auth)

✕ Configure the following standard VPN users   Show Details

Explanation 🎧

While completing this lab, use the following information:

▪ Create and configure the following standard remote VPN users:

Username	Password	Full Name
blindley	L3tM31nNow	Brian Lindley
jphillips	L3tM31nToo	Jacob Phillips

Complete this lab as follows:

1. Sign in to the pfSense management console.
   a. In the Username field, enter **admin**.
   b. In the Password field, enter **P@ssw0rd** (zero).
   c. Select **SIGN IN** or press **Enter**.

2. Start the VPN wizard and select the authentication backend type.
   a. From the pfSense menu bar, select **VPN > OpenVPN**.
   b. From the breadcrumb, select **Wizards**.
   c. Under *Select an Authentication Backend Type*, make sure **Local User Access** is selected.
   d. Select **Next**.

3. Create a new certificate authority certificate.

     a. For Descriptive Name, enter **CorpNet-CA**.

     b. For Country Code, enter **GB**.

     c. For State, enter **Cambridgeshire**.

     d. For City, enter **Woodwalton**.

     e. For Organization, enter **CorpNet**.

     f. Select **Add new CA**.

4. Create a new server certificate.

     a. For Descriptive Name, enter **CorpNet**.

     b. Verify that all of the previous changes (Country Code, State/Providence, and City) are the same.

     3. Use all other default settings.

     d. Select **Create new Certificate**.

5. Configure the VPN server.

     a. Under General OpenVPN Server Information*:*

- Use the *Interface* drop-down menu to select **WAN**.
- Verify that the Protocol is set to **UDP on IPv4 only**.
- For Description, enter **CorpNet-VPN**.

     b. Under Tunnel Settings:

- For Tunnel Network, enter **198.28.20.0/24**.
- For Local Network, enter **198.28.56.18/24**.
- For Concurrent Connections, enter **4**.

     c. Under Client Settings, in DNS Server1, enter **198.28.56.1**.

     d. Select **Next**.

6. Configure the firewall rules.

     a. Under *Traffic from clients to server,* select **Firewall Rule**.

     b. Under *Traffic from clients through VPN*, select **OpenVPN rule**.

     c. Select **Next**.

     d. Select **Finish**.

7. Set the OpenVPN server just created to **Remote Access (User Auth)**.

     a. For the WAN interface, select the **Edit Server** icon (pencil).

     b. For Server mode, use the drop-down and select **Remote Access (User Auth)**.

     c. Scroll to the bottom and select **Save**.

8. Configure the following Standard VPN users.

     a. From the pfSense menu bar, select **System > User Manager**.

     b. Select **Add**.

     c. Configure the User Properties as follows:

- Username: *Username*
- Password: *Password*
- Full name: *Fullname*

     d. Scroll to the bottom and select **Save**.

     e. Repeat steps 8b-8d to create the remaining VPN users.