

13.1 Lab: Configure a Remote Access VPN

Candidate: COMPTIA COMPTIA ()

Time Spent: 01:30

Score: 0%

Task Summary

Required Actions

× Create a new certificate authority certificate [Show Details](#)

× 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/Province, 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.