11.1 Lab: Configure a Screened Subnet (DMZ)

Candidate: COMPTIA COMPTIA ()
Time Spent: 00:15

Score: 0%

Task Summary

Required Actions

✕ Configure an interface for the DMZ   <u>Show Details</u>

✕ Add a firewall rule to the DMZ interface

✕ Configure pfSense's DHCP server for the DMZ interface   <u>Show Details</u>

Explanation 🎧

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. Configure an interface for the DMZ.
    a. From the pfSense menu bar, select **Interfaces** > **Assignments**.
    b. Select **Add**.
    c. Select **OPT1**.
    d. Select **Enable interface**.
    e. Change the Description field to **DMZ**.
    f. Under General Configuration, use the IPv4 Configuration Type drop-down menu to select **Static IPv4**.
    g. Under Static IPv4 Configuration, in the *IPv4 Address* field, enter **172.16.1.1**.
    h. Use the subnet mask drop-down menu to select **16**.
    i. Select **Save**.
    j. Select **Apply Changes**.
    k. (Optional) Verify the change as follows:
        - From the menu bar, select **pfsense COMMUNITY EDITION**.
        - Under Interfaces, verify that the DMZ is shown with the correct IP address.

3. Add a firewall rule to the DMZ interface.
    a. From the pfSense menu bar, select **Firewall** > **Rules**.
    b. Under the Firewall breadcrumb, select **DMZ**. (Notice that no rules have been created.)
    c. Under the Firewall breadcrumb, select **LAN**.

d. Under the Actions column, select the **copy** icon (two files) for the rule with a source of **LAN net**.

e. For the Action field, make sure **Pass** is selected.

f. For the Interface field, use the drop-down menu to select **DMZ**.

g. For Protocol, make sure it's set to **Any**.

h. Under Source, use the drop-down menu to select **DMZ net**.

i. Under Destination, make sure it is configured for **any**.

j. Under Extra Options, change the description to **Allow DMZ to any rule**. (Is case sensitive.)

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

l. Select **Apply Changes**.

4. Configure pfSense's DHCP server for the DMZ interface.

a. From the menu bar, select **Services** > **DHCP Server**.

b. Under the Services breadcrumb, select **DMZ**.

c. Select **Enable**.

d. Configure the Range field as follows:

- From: **172.16.1.100**
- To: **172.16.1.200**

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