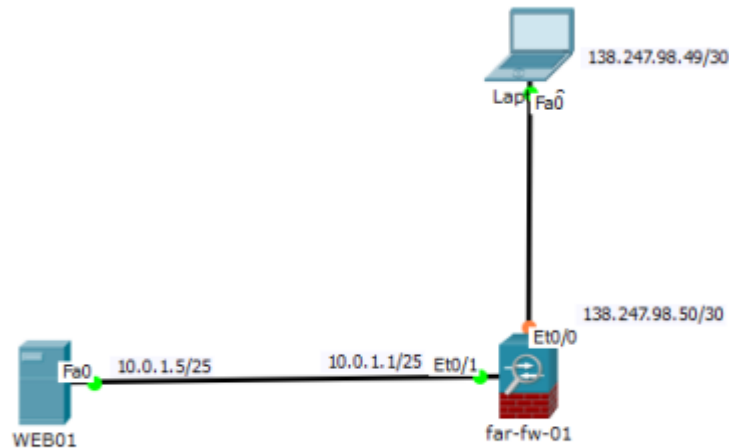


CIS407 Lab 04 – Physical Lab WebVPN

Network Diagram



Configuration

Perform the following configuration tasks on the physical lab equipment.

Basic Network Setup

1. Remove the DHCP configuration from the firewall.
2. Configure all devices to have IP addresses matching the diagram.
 - a. For the firewall, Eth0/0 should be in VLAN 2 (outside).
 - b. On the firewall, Eth0/1 should be in VLAN 1 (inside)

WebVPN

Configure the far-fw-01 firewall to allow users to access its WebVPN.

1. Enable the WebVPN for the **outside** VLAN.
2. Create an object network called **INTERNAL**.
 - a. Subnet: **10.0.1.0/25**
 - b. Nat: **inside, outside** with a **dynamic interface**
3. Create an internal group policy with the following attributes:
 - c. Name: **WEBVPN_GP01**
 - d. **vpn-tunnel-protocol ssl-clientless**
 - e. WebVPN URL-List Value: **PRIVATE_WEB**
4. Add a user account with the following guidelines:

- f. Username: **morty**
 - g. Password: **portal**
 - h. VPN-group-policy: **WEBVPN_GP01**
5. Create a bookmark titled **PRIVATE_WEB** pointed to <http://10.0.1.5>. For this you will need to enable the ASDM interface and create the bookmark:
 - i. Enable ASDM:
http://www.cisco.com/c/en/us/td/docs/security/asa/asa72/configuration/guide/conf_gd/mgaccess.html#wp1047288
 - j. Create Bookmark: <https://supportforums.cisco.com/document/12741971/how-configure-bookmarks-clientless-vpn-webvpn-asa>

SSH

Configure the far-fw-01 firewall to accept SSH connections on the inside interface.

1. Set up the firewall enable password to be: **cisco123**
2. Create a user account with the name of **rick** and the password of **spacecruiser** for the account.
3. SSH should use **aaa** authentication from the **LOCAL** server tag.
4. Allow the **10.0.0.0/24** subnet to access SSH via **inside**
5. Domain name: **earth.local**
6. SSH timeout: **10**

Checks

1. Client should be able to SSH into far-fw-01 as the rick user.
2. When Client browses to <https://138.247.98.50> they should be presented with the WebVPN login.
3. Logging into the WebVPN with the **morty** account should show the **PRIVATE_WEB** link.
4. Clicking the **PRIVATE_WEB** link should direct you to the internal web server.