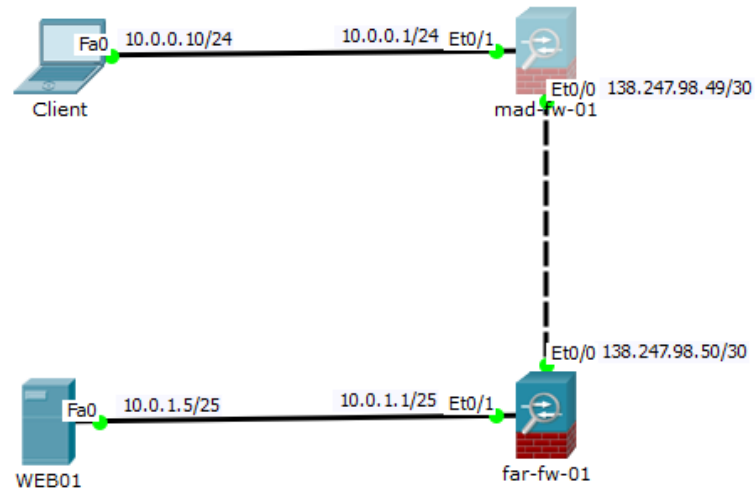# CIS407 Lab 04 – WebVPN

## Network Diagram



## Configuration

Perform the following configuration tasks in Packet Tracer

### Basic Network Setup

1. Remove the DHCP configuration from the firewalls.

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

3. On the mad-fw-01 firewall, create an object network called **INTERNAL**.
   a. Subnet: **10.0.0.0/24**
   b. Nat: **inside, outside** with a **dynamic interface**

### WebVPN

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

1. Create a bookmark titled **PRIVATE_WEB** pointed to **http://10.0.1.5**

2. Enable the WebVPN for the **outside** VLAN.

3. Create an object network called **INTERNAL**.
   c. Subnet: **10.0.1.0/25**
   d. Nat: **inside, outside** with a **dynamic interface**

4. Create an internal group policy with the following attributes:
   e. Name: **WEBVPN_GP01**
   f. **vpn-tunnel-protocol ssl-clientless**
   g. WebVPN URL-List Value: **PRIVATE_WEB**

5. Add a user account with the following guidelines:
   h. Username: **morty**
   i. Password: **portal**
   j. VPN-group-policiy: **WEBVPN_GP01**

## SSH

Configure the mad-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 mad-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.