Intro to Firewalls Workout Instructions

In this workout, you will learn the basics of working with firewalls. Fortinet manufactures high-end, next-generation firewalls, and we offer this workout opportunity through their generosity. You will work with a real industry firewall common to many companies.

Login to your firewall by first logging in through the guacamole server. Then open a browser in your guacamole server and go to https://10.1.1.10 (click Advanced and ignore certificate warnings).

You will log in with the following credentials:

- Username: *admin*
- Password: *Let's workout!*

There may be warnings about disk corruption, but just click through to ignore those. This occurs because we run these on the cloud and frequently image the firewalls.

A diagram of your workout is shown below. You will work on the Cyber Gym server (IP address 10.1.1.2) and configure the firewall to restrict traffic between the DMZ network and internal network.
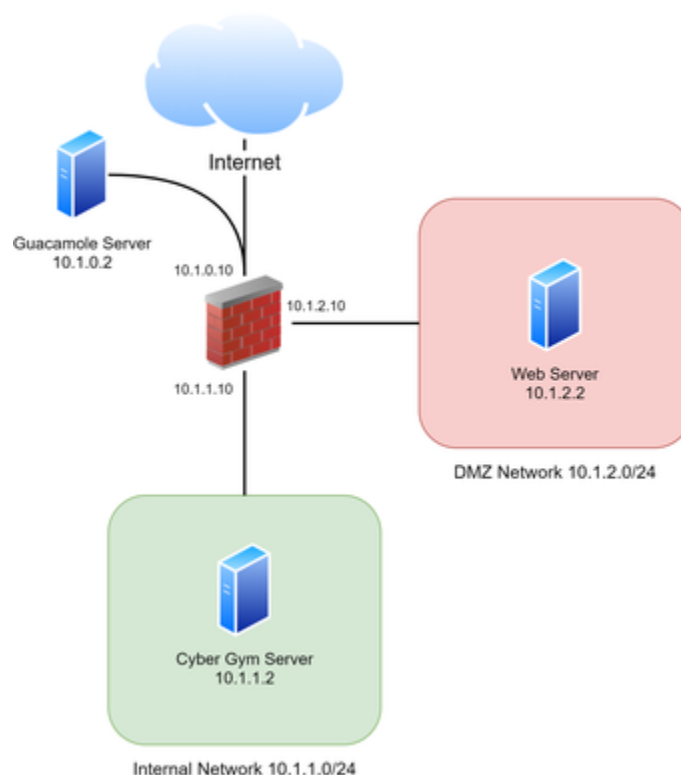
Your Mission

Task 1: For this mission task, you need to completely block traffic coming from the DMZ to the Internal Network. A port scan will occur regularly from the DMZ into the inbound network. First, observe the port scan traffic and identify the host from which the traffic originates. You can do so by going into Network

Then, block the traffic by editing the correct policy in IPv4 policy. This workout should automatically assess your completion when the port scan traffic can no longer reach the internal network.

Task 2: For this mission task, you want to allow VNC traffic through the firewall from the server sending the port scan traffic to your internal Cyber Gym server.