

Lab13- Wireguard

In this lab, we're going to implement a VPN to allow remote connections using Wireguard. A VM is provisioned in the IA Lab that has its own public IP address, you'll use that to configure the Wireguard server, then pivot to an internal web server.

Instructions

Perform the following tasks in an environment of your choosing:

1. Your 'server' is running Ubuntu 20 and is in the IA Lab Learn environment.
2. Determine your server's public IP address by just googling "What is my IP" from the server itself. You may need to log into the captive portal (captive.ialab.dsu.edu)
3. Install/setup Wireguard as a server on your VM, UDP port 51820 is forwarded via the firewall to your VM.
4. Install and configure the Wireguard client on your desktop/laptop/VM of your choosing. Clients exist for Windows/Mac/Linux/Android/iOS/OpenWRT/BSD so you're probably covered with a native client, even if you're *weird*.
5. Connect the Wireguard client to your server and browse to the awesome server (172.16.90.222) from your machine at home.

What to Submit

Submit a screenshot that clearly shows that you were able to connect the Wireguard client from your home computer to the Wireguard server in the IA Lab. Submit a second screenshot showing that you're able to browse the website from your computer via the VPN.

