

Lab 10 Submission

Submission 2 - Code

See uploaded python script for code portion.

Environment/Network Configuration

The current environment is fairly simple. It consists of three Ubuntu 20.04 LTS machines. One acts as the NAT router and the other two are used as nodes or guests for demonstrating routed traffic.

There are also two networks. The internal lan for machines to communicate over (the NAT router and the two nodes), and the vCloud_Internet network that only the NAT router has access to.

Internal vLan:

- Subnet: 10.0.0.0/24
- Gateway: 10.0.0.1 (the NAT router).
- Nodes...
 - ubuntu-node-1 ... 10.0.0.2
 - ubuntu-node-2 ... 10.0.0.3

See the following network graph:



The NAT binding is Symmetric and is bound to the entire interface - internal ens192 and external ens160; all ports.