

## **Milestone 4**

In this Milestone, I setup the server we are going to utilize to run our Elasticsearch instance on. The server setup consisted of 3 main steps, listed below.

- Image Install:
  - I started off by creating a bootable disk with a debian image, then followed the installation procedure. After some setbacks, we decided to use Ubuntu Server instead.
  - RAID, LVM, Disk Partition. In this step, I partitioned the disks, setup RAID5 with 2 spare disks, and the LVMs to handle our storage needs.
- Network setup:
  - To install any software, or connect to the internet, I had to setup the network connection of the server. This required figuring out which interface the server used and adding the MAC address to the FIU system.
  - I worked with Adil to setup the DNS server, and assigned a specified IP to the server.
- Software Install:
  - Installed Elasticsearch, Logstash, Kibana, sflowtool, Zabbix agent, and necessary packages.

After the server is installed at the data center, and the switches are redirected to send the sflow packet data to it, the server will be live and used as our production machine.