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CYSE 368

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25 March 2024

Roeseler Reflection Paper 3

The first thing we do when we get an order that is ready to be built is assemble that order. After that we rack and image the servers that are a part of that order. The imaging process is the software side that we deal with. We are surrounded by hardware all the time and imaging is one of the things we do where we get to work with software. Sometimes imaging is where you find the issues with the components of the server, and troubleshooting can cause the imaging process to be a lot longer. Another thing that needs troubleshooting quite a bit is the racks. Some of the racks don't work as well as others, so you have to mess around with it sometimes to get it to work.

The imaging process is pretty simple. We start by making sure they all turn on and have no issues showing up on the screen. The first thing to do with the server is to update the BIOS with our flash drives. Next we restart the server and then change some settings before we select what operating system to image the server with. The settings we change deal with the fans, power loss, and secure boot. After we exit out after changing the settings, we choose ubuntu to image the server and it takes a bit to image, so during the time it is imaging, we will do other tasks whether that be dealing with another order or still with the same order. Once they are imaged, one of the guys that are a part of the support team will run ansible on them and then we are able to put the serial number stickers on the servers that can be seen on the left side of the server in the picture below.





This picture shows where we place the servers after they are built and tested until the rest of the servers in that order are built. If you look further, you can see the racks on the other side of the room where we place the servers when we image them.