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Reflection and Learnings

1. Reflection

After going through eighteen weeks of more work, it made me realize that we are literally nothing without automation. From the irrigation systems of the Egyptians to the Ansible configurations of today, the world is becoming more and more automated, and as such, becoming more complicated.

Trying to do something in a controlled environment involves a lot of things needed. Just like an experiment, it must remove any and all external factors to see if it is actually happening. DevOps is no exception. Containerization tools like Docker are very very important for the same reason as scientists, no other things are different other than the actual plan.

These lessons were a gateway to why automation and containerization is important to system administrators.

2. Learnings

The following course was a step up to the previous SysAd course, and involved multiple virtual machines, making them securely connected to each other via local networks. This allows for seamless transport between hosts that may otherwise be in the middle of nowhere.

After that, Ansible was introduced as a way to automate and speed up tasks, providing with every avenue an administrator may end up in, such as maintenance, installing, and testing.

Finally, containerization was used as a way to provide controlled environment, and for people to test and verify working tools.