Assignment 7

Assignment description

For this assignment, you will simulate the setup of two computer labs at UBalt. The first lab should serve Applied Information Technology students only, and the second is for the general student population. For each lab, come up with policies and implement them using Ansible.

You should set up a common basic image (the OS is a Linux-based system of your choice). Create one playbook for the setup of each lab, and another playbook for the maintenance of each lab. Use the network we set up for modules, keeping the AIT Lab in the 10.0.2.150-2 range and the General Lab in the 10.0.2.170-2 range. Each lab should include 3 demo VMs.

AIT Lab
The policies for the lab should include:
- Security (include at least 3 specific policies)
- Applications other than the default ones, including Eclipse and VS Code (include at least 10 specific applications)
- Accounts (include at least three accounts: local admin, generic user, and lab admin)
- Student accounts (include at least three accounts of sample students)
- Shared directories (include at least 3 shared directories, making sure you give the right access to all)
- Nightly directories to clear (clear at least 3 directories, some that are personal and others that are shred)
- Backups (include at least one backup type)

General Lab
The policies for the lab should include:
- Security (include at least 5 specific policies, make sure they are very tight)
- Applications other than the default ones (include at least 5 general-use applications)
- Accounts (include at least three accounts: local admin, generic user, and lab admin)
- Student accounts (include at least three accounts of sample students)
- Shared directories (include at least 1 shared directory, making sure you give the right access to all)
- Nightly directories to clear (clear any directory, restoring a clean system every time)
- Backups (include at least one backup type, in case admins made changes to the system)

Turn in

A document with the policies and specifications associated with each lab.

Ansible playbooks for each of the labs.