

Week 11 practice

This practice will hone your system automation skills with ansible.

If you are using terraform to create your machines, they need to be able to speak NFS to each other so you will need to open the security group to udp and tcp 2049. (Change your terraform file)

Tasks

- Create an ansible inventory file that has at least 3 ubuntu machines in it. Put one of your machines in a group called `nfsserver`. The other 2 can be in a group called `clients`.
- Create a playbook that will automate the creation of an NFS share:

In particular, it should do the following: * Make sure that `nfs-kernel-server` is installed on the NFS server machine. (the one in the `nfsserver` group). You likely will have to update packages to install this. * should automatically create a `/ansible_shares/fruit` directory on your nfs server. * Make sure that the correct lines appear in `/etc/exports` on your nfs server using the `lineinfile` module. + The line that should appear should look like this: `/ansible_shares/fruit *(rw, sync, no_subtree_check)` * Restart the nfs service * make sure `nfs-common` is installed on the client machines. * Connect to each of your client machines and mount the export to `/nfs_share/fruits`. You will probably also have to have ansible create that directory. Look for the mount module. The remote machine will be the ip of your `nfs server`. The remote share is `/ansible_shares_fruit`.

To verify that everything is working and that the new share is mounted, you can manually do a `df` on the client machines after your playbook has executed.

If you get stuck, I have recreated the server one [here](#). [Here](#) is my inventory file. You run the playbook like `ansible-playbook -i inventory soln.yml -K`.