What is configuration management?

* configuration management facilitates orderly management of system information and system changes.

snapshots

CMDB - Configuration management Database.

Why is configuration management required?

1. Consistency of configuration.
2. Scaling up and scaling down.
3. Rolling back a configuration change.
4. Agility in system admins.

What are the popular Configuration management tools?

1. Ansible & Salt Stack == push based configuration management tool
2. Chef and Puppet == pull based configuration management tool

Ansible Tower?

* Ansible Tower provides with dashboard
* Not necessarily to use the SSH protocol for connection, can use Kerberos as well.
* Network authentication protocol.
* Can use a connection plugin as well.

Playbooks

* YAML is a data serialization language.
* Starts with 3 dots in the top
* List of inventory
* Tasks
* Tasks get executed in the same order it is listed.
* Handlers are also tasks.
* In order to execute handlers you need some sort of triggers in the tasks

What is the ansible configuration file?

/etc/ansible/ansible.cfg

Hosts inventory file

/etc/ansible/hosts

LAB 1 == SSH connection using root to root

LAB 2 == SSH connection using user1 to user2

LAB 3 == ansible as a user1 and user2

What are collections?

* As of Ansible 2.10, modules are organized in collections.