Lab5 - Ansible

Ansible ssh prepare

1. Generate ssh keys in ansible management node.
2. Add the public key to the authorized_keys file on ansible hosts.
3. Try ssh connection with keys, from ansible management node to ansible hosts.

Ansible ad hoc commands

4. Validate the connection between ansible management and hosts using ansible ping module.
5. Gathering facts about all hosts
6. Get the uptime of remote hosts using ansible ad hoc command.
7. Check the memory usage of hosts.

Ansible playbook

8. Create a playbook which install apache2 package on hosts
    - Apply the playbook.
    - Is there any errors ? Why ?
9. Add a condition to the playbook to provision only hosts of the Debian family.
    - Apply the playbook.
10. Modify the playbook to provision only hosts of the Redhat family.

Ansible variables

11. Create a playbook that:
    - Find log files in the /var/log directories, then
    - Capture the output to find_output variable
12. Apply the playbook.
13. Modify the playbook to copy the log file to the same names with _bkp extension.

Security of playbooks

14. Encrypt the last created playbook in this Lab

- View the content of the playbook file with linux command. Is there any problem ?
- View the content of the playbook with ansible-vault commad. Is everything Ok ?

15. Decrypt the playbook file.

- Can you now viewing its content with linux command ?

16. Create a new encrypted playbook.

- Change its key to lpi_devops.