List of Modules Using

1. Uri
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Questions

1. **Why we use register in ansible?**

Ansible register is a way to capture the output from task execution and store it in a variable. This is an important feature, as this output is different for each remote host, and the basis on that we can use conditions loops to do some other tasks. Also, each register value is valid throughout the playbook execution.

Eg :

- name: Careate new file

command: touch text2.txt

register: filecreate

1. **Why we use with\_item or loops in ansible?**

In programming, a loop allows to repeat instructions, typically until a certain condition is met. Ansible offers different looping methods like with\_items and loops.

1. **Why we use tags and how to call tags**

Ansible tags are another great feature which can help you execute respective tasks from the playbook. By default all the tasks from the playbook are executed but with tags we can control this behavior and execute only the tasks with the matching tags.

Eg.

---

- name: Ansible Tags

hosts: localhost

gather\_facts: false

tasks:

- debug:

msg: "This is first task"

tags: first

- debug:

msg: "This is second task"

tags: second

- debug:

msg: "This is third task"

tags: third

ansible-playbook playbook.yml --tags " first, second "

1. **Which variable is having highest presidence out of three**

Extra vars (from command-line) always have Highest Presidence

Eg: ansible-playbook book.yml --extra-vars "var1=data var2=data2"

1. **What does gather fact does**

Facts are nothing but information that we derive from speaking with the remote system. Ansible uses setup module to discover this information automatically. Sometime this information is required in playbook as this is dynamic information fetched from remote systems.

To do this, We have to keep **gather\_facts** to True in playbook

Eg:

192.168.56.7 | SUCCESS => {  
 "ansible\_facts": {  
 "ansible\_all\_ipv4\_addresses": [  
 "172.17.0.1",  
 "10.0.2.15",  
 "192.168.56.7"  
 ],  
( many more facts)...

1. **What is roles and why we create role?**
2. Roles provide a framework for fully independent, or interdependent collections of variables, tasks, files, templates, and modules.
3. In Ansible, the role is the primary mechanism for breaking a playbook into multiple files. This simplifies writing complex playbooks, and it makes them easier to reuse.
4. The breaking of playbook allows to logically break the playbook into reusable components.
5. **How to do error handling in ansible?**

Ansible playbooks stop the execution of any more tasks on a host which has encountered any failures. But in some cases, even after a failure, we might want to continue executing tasks on that host.

1. ignore\_errors: yes
2. Ansible block and rescue
3. **How to encrypt password in ansible?**

**Ansible vault** is used to keep sensitive data such as passwords instead of placing it as plaintext in playbooks or roles. Any structured data file or any single value inside the YAML file can be encrypted by Ansible.

* 1. To Encrypt single value : ansible-vault encrypt\_string
  2. To Create Encrypted file : ansible-vault creat file**.**yml
  3. To View Encrypted file : ansible-vault view file.yml
  4. To Edit Encypted File : ansible-vault edit file.yml
  5. To encrypt a file : ansible-vault encrypt file.yml
  6. Decrypt a File : ansible-vault decrypt file.yml

1. **How we can create custom module in ansible?**
2. **What is Handler ?**

Handlers are just like normal tasks in an Ansible playbook but they run only when if the Task contains a “notify” directive. It also indicates that it changed something.

- name: manohara

hosts: WORKSPACE

tasks:

- name: Install nginx

package:

name: nginx

state: present

notify: Start nginx

handlers:

- name: Start nginx

service:

name: nginx

state: started

Ansible Rolles

1- Adding user – shell/command user add debug

2- creating file – sell/command touch debug

3 – creating folder – shell/ mkdir debug

Work Completed and Attached.