HIGHLY IMPORTANT:

What is the difference between Ansible, Chef, Puppet ?

What is the difference between Ansible & Terraform ? Which one do you prefer for which Scenario ?

Terraform - VPC,EC2,S3,LB,ASG,IAM

Ansible - Package, conifg files

What is a module ? What are the modules you have used in Ansible ?

- lineinfile

- template

- copy

- get\_url

- apt

- yum

- yum\_repo

- shell

- service

- unarchive

- command

Have you worked with Template module ?

- Template modules uses jinja2 template .j2

- {{var}}

How do run specific tasks/plays in a playbook ?

- tags & skip-tags

- ansible-playbook -i slaves.txt main.yaml --tags <tagname>

- ansible-playbook -i slaves.txt main.yaml --skip-tags <tagname>

Ansible Controls:

LocalAction => to run a task/play in Ansible master machine

Delegate\_to => run a particular task in a specific machine

Ignore\_errors => it will continue the playbook execution despite facing an error (DEFAULT is false)

when => to set a condition

tags => to execute specific tasks/play

loop => re-use same module with different inputs

handler => condition will execute based on notify call

notify => notify will trigger handler based the task state

pre\_task => run commands before the task execution

post\_task => run commands after the task execution

What is Handler & Notify ?

- when the task is in changed (YELLOW) state notify will go and trigger the Handler

- when the task is in OK (GREEN) state notify will NOT GO and trigger the Handler

What is Ansible Roles ? / Command to create a Roles ! / What are the folder which is created by Role ?

- ansible-galaxy init apache

What is Ansible Vault ? / What encryption Ansible vault uses ?

- AES256

- ansible-vault encrypt filename.yaml AES

- ansible-vault view filename.yaml

- ansible-vault decrypt filename.yaml

- ansible-playbook main.yaml --ask-vault-pass

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FREQUENTLY ASKED:

What happens if 1st task failed in a group 5 tasks ? / How do you change this behavior ?

In a group of 4 machines -> 2 amazon linux, 2 ubuntu ?

- when

What is Gather\_fact & setup module ?

What are the types of inventory in Ansible ?

/etc/ansible/hosts

- Static Inventory - Manual IPs Add

- Dynamic Inventory - Automatically ADD IP's From AWS account based on filter tags

https://devopscube.com/setup-ansible-aws-dynamic-inventory/

What is Idempotent in Ansible ?

What Mechanism Ansible Uses ?

- PUSH

What protocol ansible uses ?

Linux - SSH

Windows - SOAP-based protocol that communicates over HTTP/HTTPS

How do you handle Errors in Ansible ?

- block (test groups of tasks for errors)

- rescue (if error in block, rescue will work)

- always (it will be always executed, doesnot care about block and rescue)

How do run multiple tasks Simultaneously ?

- poll (time needed to trigger the next task)

- async (max time allowed to run the task)

- serial (Executes one by one for a particular play)

Ansible Varible priority ?

- Configuration settings (lower precedence)

- Command-line options

- Playbook keywords

- Variables (Highest Precedence)

Ansible role default dir vs vars dir ?

terraform validate == --syntax

terraform plan == --check

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RARE BUT HAVE TO KNOW:

difference between --syntax --check and --diff in ansible ?

--syntax, checks for spelling mistakes and syntax errors

--check, Check mode is just a simulation test run (aka Dry RUN)

--diff, Shows the before and after changes

- ansible-playbook -i slaves.txt main.yaml --check --syntax

What does ping module do ?

- check the pvt key connection

- checks for discoverable python interperter

- Returns pong on success

What is Pretask & PostTask ?

I want a task to be executed before my role ?

- Pretask