Interview Questions:

**Git- interview questions**

• Explain Branching strategy

• explain about Gitlab runners

• explain steps of gitlab pipeline

• what kind of work you did in gitlab, enhancement work or scrach

• explain how you create gitlab pipeline

• How do you protect the release branch?

• Have you worked on gitlab?

• what is git stash?

• difference git pull and fetch?

• how hotfix branch works with example?

• A developer does some wrong changes but he hasn't committed his changes, what are the steps he would perform to rectify it

• How do you decide a branching strategy. What are the different branching strategies you are aware of

• diff between git revert and git reset

• Diff b/z git pull & clone

• Explain the process of PR[pull request]

**Linux - questions**

• what is adhoc commands , tell me some adhoc commands

• What is ask sudo pass and explain

• Where to find Linux debug logs

• Are you aware of what SID, gid could you explain

• What are the commands you are aware of to check the Linux machine performance

• What do you understand when a file has permission 0774

• Jenkins server is not running how do fix it, What are the linux commands you use , how do you fix it

• differnce b/w softlink and hardlink

• how to figure out which crone job chokes up your system in linux and describe process to fix it (how do you identify which crone job is responsible for which process)

• ANS:/var/log/cron

• why mounting is used?

**shell scripts- Questions**

• what all scripts you have written to automate - why you writen to monitore disk space -don't you have monitoring tools

• 1. what all scripts you have written to automate - why you writen to monitore disk space -don't you have monitoring tools

• Answer : :can modify the .bashrc or .bash\_profile file

• export JAVA\_HOME=/path/to/java

• export PATH=$JAVA\_HOME/bin:$PATH

• Temporary Update:

• export PATH=/path/to/java/bin:$PATH

• 2. write script in python or shell to tag ec2 instance if it's not tagged if it's tagged it has to skip it

• 3. write script in python or shell given port number is open or not open

• 4. how would you design shell script to interact with these platform nd deploy appln scales services and performance rolling update

• 5. write script to turn of aws ec2 instances at 5pm and turn on in morning 8am everyday

• 6. write script to delete all empty files under a directory

• Write a shell script that provides a menu-driven interface for commonly used Git commands. The script should allow users to:

• 1. Clone a repository.

• 2. Pull the latest changes from the current branch.

• 3. List all branches (local and remote).

• 4. Create and switch to a new branch.

• 5. Commit all changes with a user-provided message.

• 6. Display the current repository's status.

• 7. Revert to a specific commit by its hash.

• 8. Show details of the last commit.

• 9. Fetch updates from the remote rep

• The script should handle errors gracefully and prompt the user to make a valid choice.

• write a scrpit delete the recent 10 text files

• Write a script to monitor services, if any service is stopeed , restart the service

• find and delete the lareg files that are greater than 100Mb,that are created 90 days ago and send a mail to the concerned client

• Reverse the content of file

• Script to check the number of .log files in the system and to delete the .log files under /var which were modified in the last 90 days and 15 days ago.

• Problem Statement: Automatically start the instance at 6:00AM and shutdown the instance at 6:00PM

**Jenkins**

* what type of jobs you have created and which all plugins you used?
* explain stages of pipeline job
* what are build tools you used -explain maven life cycle?
* build is failing in deployment what could be the reason
* build is failing in deployment what could be the reason
* script to take jenkins backup and store it in s3
* how you check java path and how you update java path
* Do you have any check in CICD?
* In declerative pipeline I can write groovy script? can you write sample CICD for that?
* Explain in CICD step by step
* How are you seggregating the environment example I have dev,qa, prod. How would you differenciate I want to deploy on to the dev environment.
* In pipeline after CI it is asking for any approval for deploy?
* I have 5 master node and 10 worker node. My master node crashes what happen to the worker node? what will happen to the running application?
* Write a jenkin file to login to docker registry and push image to docker registry
* Jenkins server is not running how do fix it, What are the linux commands you use , how do you fix it
* explain CICD
* lets say u configured it will helm in CICD for helm install it take 30 minutes what happens to your pipeline will it wait for completion of charts or goes it just say it's completed? if it waits how long it will wait
* what you understand from sonar report
* have you used shared library in jenkins and explain it
* Explain the CI/CD of your project
* How to pass built in values from Git or gitlab to your deployment pipeline?
* what are the CI/CD tools have you worked and explain complete pipeline work?
* how do you save the sensitive information in jenkins?
* what are the deployment strategy you have used?
* How were you passing environment variables to kubernetes via your Jenkins
* explain ci cd pipeline? what are the challenges faced in CI CI pipeline?
* Explain you CI/CD pipeline
* Share your screen and write your CI CD pipeline
* Suppose you want to upgrade Jenkins, without having downtime how do you do that.
* How do you take Jenkins backup, where do you store the backup, how frequently you used to take back up. How the backup scripts used to get triggered
* What is the deployment strategy you are aware of
* Why did you choose canary deployment
* What is blue green deployment strategy
* How were the different environments managed via Jenkins pipelines
* Explain your Jenkins CI/CD. As you deal with customer how was the complex application shipped and deployed to your customer
* How were your infra pipeline and application pipeline configured and different. How do you used to trigger then
* Was the sonar scan report automated, if so how do you used to read the output and pass/fail the build
* How are you seggregating the environment example I have dev,qa, prod. How would you differenciate I want to deploy on to the dev environment.
* In pipeline after CI it is asking for any approval for deploy?
* Write a jenkin file to login to docker registry and push image to docker registry
* your team has task with implimenting CI/CD pipeline for a new apex module how would you design nd configure pipeline to ensure seamless integration nd deplyment of the module.
* how blue-green deployment strategy was on AWS involves creating two identical environments and how you set up?
* how can you setup jenkins job process
* explain about shared library in jenkins
* explain how you handle exception in jenkin pipeline
* Write a Jenkins pipeline which should handle multiple environments

Ansible Interview questions:>>>explain modules in ansible and explain playbook to install application  
 do you have expierence on upgrading and patching, what level of patching and while tool your using and process  
  Answer: yes 1. Application level 2. OS leve/l  Configuration Management tools like ansible  
 Difference b/w play and playbook?  ANS: play represents a set of tasks  
I want to deploy 3 environment(dev,prod,test) using single module, how can I do that, how do you do this configuration?Explain  
Write ansible playbook  
How do you declare variables in ansible, write sample ansible playbook for it  
Can we manage Windows Nano Server using Ansible?  
Explain ansible architecture?  
Explain how you will copy files recursively on a host?  
expalin ansible modules each  
Explain Callback\_plugin in Ansible  
How many Target host you have managed via ansible  
Explain ansible facts  
Explain server provisioning+configurationanagement you used in your project  
Write an ansible playbook to install a software  
explain about static and dynamic inventory  
how will you deploy file to minion of other minion  
ANS: using ansible copy module