DevOps Interview Questions

1.Can u tell me about Yourself / Introduce Yourself

           Good Morning.

           Thank you for this opportunity to talk about myself.

           My name is Yaseen Shaik.

           I worked as Cloud and DevOps Engineer in Kanagala Technologies Private Limited for about 3.5 years between Aug 2017 and Feb 2021 manily focusing on Continuous Integration and Continuous Delivery using tools like Git,Jenkins,Ansible,Docker.

           I joined the company as a Jr.software developer for building and deploying web pages into linux servers but gradually changed my role to Cloud engineer where my primary responsibilities are to configure various AWS services like EC2,S3,VPC's,IAM Policies,Load Balancer and Autoscalling,RDS.

           Then i was also tasked to manage CI/CD tools like Git,jenkins,ansible,docker and DOcker Swarm for different ERP applications.

           I have experience in administering Linux by creating,deleting,modifying users their permissions,configuring ACL's,SELinux and Firewall polices.

           i have working knowledge on configuring ssh,web,dns,ftp,nfs servers,Logical Volume Management and installing OS using kickstart files.

           i also have working experience on tools like terraform,nagios,apache tomcat,maven and knows scripting languages like python and Shell Scripting.

           I am a BCom graduate.

           Right now i am looking for an opportunity to work in areas where i can demonstrate my creative problem solving skills for new and different challenges

2.What is an ansible-playbook.....basic yaml syntax

3.Shell Scripts

4.Comfortable in using Operating Systems like linux and Linux Administration,Installlation of Linux from Scratch

5.Git and Git Repositories,Bare repos initialization

6.Linux Run Levels

7.Starting services at system boot...../sysctl/conf..... From version 207 and 21x, [systemd](#) only applies settings from /etc/sysctl.d/*.conf and /usr/lib/sysctl.d/*.conf. If you had customized /etc/sysctl.conf, you need to rename it as /etc/sysctl.d/99-sysctl.conf. If you had e.g. /etc/sysctl.d/foo, you need to rename it to /etc/sysctl.d/foo.conf.

8. Linux partitions.......FInd disks and partition names,sizes

9.Linux processes.....Checking the running processes,stopping and killing

10.Trobuleshooting the command that hangged......Signals like kill -9 etc

11.Check the memory usage.......Free Command......Top and HTop coomands

12.Editors used in Linux......Vim

13. Creating a backup file and directory script

14. Linux Links.....

15. Explain the Boot Process of Linux

16. Zipping a file in the directory and remove the file then unzip the said zip file

17. Explain about SSH

18. Linux Kernels .....

19. Run Levels in lInux

20. FIle System of Linux

21. Access Control Lists

22. Permissions in Linux

23. Checking System Performance

24. LVM

25. Umask

26. Turing Linux into Proxy Server

27. Diff between WOrking and Home directory

28. Git and Branching Strategies......is it Best practices to push directly to development branch by developer

29. Git Stash

30. Diff between git fetch and git pull

31. Reversing the previous commits

32. Git rebase

33. Benefits of Jenkins

34. Explain Jenkins Pipeline

35. Upstream and Downstream Jobs

36. Securing Jenkins

37. Scheduling a Jenkins Job...How many Ways

38. Migrating jenkins from one server to another server

39.Shell Scripting......

40.Rating myself on Linux,Jenkins,Ansible,,,

41.Ansible Architecture

42.Ansible Playbook writing.....

43.Prerequisities of installing jenkins in CentOS

44.Maven Life-Cycle

45.On a single machine can we maintain multiple web sever......Aapche

46.Load Balancing the web server

47.Securing Web Server

48.Deploying a War file in Apache Tomcat or Wildfly

49.What are containers in docker

50.What is Dockerfile

51.Diff between Docker vs Hypervisor

52.yaml and json files

53.Command for stop and restart the container

54.Regularly used Docker Command

55.Logging in Docker

56.What is AWS EC2,S3,LoadBalancer,I Am profile,AutoScalling,

57.Prerequisties for creating IAM profile

jenkins

1.Tools used to implemet CI?CD?? Jenkins,Bamboo,Team City,Udeploy,tfs.......

2.Continuous Integration : get scem → compile → test → build → static analysis → nexus → email notification

3.types Jobs Configured in Jenkins : Freestyle projects,pipeline jobs,multi branch projects

4.freestyle vs pipeline : freestyle is configured wholely using web ui and jenkins pipeline is configured using jenkins file

5.pipeline : A Pipeline is a user-defined model of a CD pipeline. A Pipeline's code defines your entire build process, which typically includes stages for building an application, testing it and then delivering it.Also, a `pipeline` block is a [key part of Declarative Pipeline syntax](#).

6.declarative pipeline vs scripted pipeline :

7.master/Slave Architecture :

8.How can we connect to slaves :

13. How many ways we can provide security for your jenkins server?
14. what is sonarqube ? have you configure ? How you configure ?
15. what type of artifactory repository tool have you used?
16. what is the use of artifactory tools?
17. How you declare a variables in pipeline?
18. what is DSL language? domain spcific language?
19. what is upstream/downstream projects? what is the use of it? which scenario you configure?
20. If a have 10 repositories i github how many jobs you can configure?
21. Dou you have experience to install jenkins?
22. How you configure jdk,maven,gradle...etc?
23. In my environment i have different version for java implementation projects is there ? How you configure multiple jdk's?
24. what are the plugins have you used in your project?
25. How to take backup my jenkins? thin backup plugin
26. what is jenkins Home directory?
27. How to deleted old builds automatically?
28. How to configure multiple environment deployment?