1-Company name: Tavant Technologies

24/11/2023

1. How many applications, number of cluster, number of nodes, microservices, number of platforms maintaining in your project ?

2. Explain Branching strategy of your project?

3.Explain CI/CD process

4.What is your role in your project and day to day activities?

5.difference b/w scripted and declarative pipeline?

6. What is container and advantages of using container?

7.Explain Docker file instructions you have used in your project and what is the base image you have used in container of a microservice?

8.why K8 is so popular, what are the advantages of using k8 over other orchestration platforms?

9. Which are the objects you have used in your Manifest file for your project?

10.difference b/w pod and deployment?

11.what is configmap and why it is used and how to use it to access application?

12.Explain what manifest file contains?

13.Which type of Volume is used for pods?

14.what is terraform, what are the types of files are there in terraform and explain each?

15. Where you have stored your terraform code?

16. How to push your image to the artifact?

17.Tell me about your current working organization and project?

2-Company name: Comviva

24/11/2023

1. How you are deploying application in to k8 ?

2.what is manifest file?

3. What is service and endpoint?

4. How do you change nodeport service into cluster ip service without changing in manifest file?

5. Types of services in k8 and explain

6. What is dockerfile and write one dockerfile?

7. What is CI/CD?

8. Explain CI/CD process

10. Pod struck in crash loop what are the measures you will take to solve the issue?

11. Challenging tasks you faced?

3- Organisation:Lancesoft

1.introduction

2.terraform working process

3.how can we share the file with running container (volumes)

4.difference between add and copy.

5.if application in kubernetes is not working,that is if costumers are not able to access ur application,how will u solve the issue.

6.shell script to check tomcat is running or not.if not restart it.

7.branching strategy.

8.s3 storage classes and difference between S3 ,ebs,efs

9.ansible handlers and one example where u have used it.

10.ci/cd stages u fallow.

4-Company name: Cognizant

25/11/2023

1. Why we use handlers?

2. Default files of a role?

3.what are the Default variables we can use in ansible playbook?

4. How we can pass variables in playbook?

5. Pod is in pending state what might be the reason?

6. Use case: we have to schedule pod-A & pod-B in the same name space but they shouldn't communicate each other.. How can we restrict by using object?

7. K8 architecture?

8. Use case : we have a master and 10 worker nodes... At the time od maintenance you corden the node and again uncorden the node... Which is the key core component of the cluster having the details of the pod and node and then assisgns to the nodes?

10. What is terraform module?

11. What is demonset?

12. What is the agent and object we need to use to fetch the details of the pod and node of k8 cluster to monitor using grafana?

13.use case: Someone terminated an instance, I want to know who terminated , which service of aws we can use to know ?

14. When we copying a file to s3 bucket using CLI it's showing access denied. What might be the reason?

15. Types of load balancer and explain?

16. What is lambda? What is your use case of lambda in your organization?

17. What are the scripts you have written to automate the tasks using any scripting language?

25/11/2023

5-Company Name: Capgemini

1. write a shell script for fibonacci series?

2. write a shell script to swap two variable values?

3. write a shell script to to change the suffix of files?

4. write a shell script to take dialy backup of files and store on s3?

5. linux command to list files of only 4kb?

6. what are docker layers?

7. write a docker multi stage build?

8. explain CICD?

9. Difference between git and SVN?

10. How to monitor kubernetes from Prometheus and grafana?

11. write any kubernetes manifest file?

12. Tell me about your current organisation and projects you worked on?

13. Explain VPC and CIDR IP's calculation?

14. What is lambda and how you utilized it?

15. Difference between COPY and ADD in docker?

16. What is service and it's types on kubernetes?

6- Company: Altimetrik

1. Introduction and role

2. Write Shell script for CPU memory usage

3. Explain branching strategy

4. Explain cicd workflow

5. Explain k8 architecture

6. Write terraform file for instance & vpc

7. How to copy a file from dev environment to prod environment

8. Difference between role & playbook

9. Write a playbook for copy a file

10. Write a pipeline script

11. Explain the docker file

12. What is your role in the dev team

13. Explain the terraform module

7- Company name: AltiMetrik, L2 round

27/11/23

1. Introduction

2. diffeternce between git merge and rebase

3. what is git stash and why it is used

4. explain git flow and branching strategy

5. what is the use of mvn and why it is needed

6. have you ever any tool for check code vulnerabilities

7. can give idea about pipeline syntax

8. have you ever used shared library in jenkins and why it is needed

9. how you call the shared library in pipeline

10. in shared library suppose we have so many scripts are there and how you will call only for checkout

11. difference between copy and add command

12. difference between cmd and entrypoint

13. if i want to over write a entrypoint at runtime is it possible or not and why

14. what is service in docker

15. explain the k8s architecture

16. what you ever setup service account in k8s and what you will do in that

17. explain the service types in k8s

18. can you tell about available ingress controller in the k8s

19. what is the use of headless service in k8s

20. difference between deployment and stateful set

21. explain the vpc architecture

22. difference between public subnet and private subnet

23. difference between NACL and security groups

24. are you aware about FMR ports

25. i have enterprise account peering is like A to B and B to C, i have some resource in C, i m not accesss internt to vpc C account and what is the issue and how you resolve it

26. have you heard about transitive peering

27. have you heard about transit gateway

28. have you done any scalling in the k8s

29. expalin the load balancer and auto scalling

30. how auto scalling will work in aws.

31. i have s3, i have critical data, that bucket not available public, if client want to access it and how you will give access for him privately.

32. explain the cloudformation

33. Expalin the work flow of terraform

8-company: Harman 27/11/23

1. introduction

2. how will you create a 100 text files in a single linux command

3. how you can create a deployment in 10seconds in k8s

4. what is the use of cloudtrail and give realtime example

5. if i want to create 2 resources but i want 1 resources must be created before another resource. how?

6. where do you store your terraform state file

7. what is a inventory file in ansible

8. what is identical inventory file

9. tell me a scenario where you used a dynamic file in ansible

10. write a sample ansible playbook

11. how do you group two inventory file in ansible

12. what is ansible controller

13. who manages the inventory file and which server is used

14. what is ansible galaxy

15. how do connect the git to github without internet connection

27/11/2023

9-Company name:Volvo india private ltd

1. jenkins CICD

2. Write anible playbook to install Apache

3. Write ansible playbook to configure master and slave

4. Write any terraform module

5. What is auto scaling and it's policies

6. Explain VPC architecture

7. Aws s3 cli commands

8. Explain aws lambda configuration

9. What is aws observability

10. How to migrate s3 bucket from one storage class to other

11. How to do cost optimization in s3

12. How to execute shell scripts in worker nodes using ansible playbook

13. Explain aws deployment, pipeline and commit

14. What is cloud watch and it's configuration steps

15. Challanges faced in monolithic and micro service applications

16. Difference between security group and NACL

17. Aws ec2 and s3 CLI commands

18. What is catolina servelet container in tomcat

19. What is assume role in aws?

10-Company: OPT IT

1.write a terraform module.should access the variable from other files.

2.terraform file structure.

3.k8s service explanation.differce between nodeport and load balancer.

4. Deference between Canary and blue green deployment strategy.how they work.

5. How do u do AWS cost optimization.senario: if multiple instances are running which has application on them,how will you reduce the cost of the ec2.(by using elb and auto scaling)

5.how will u reduce the time taken by the instance to come while using auto scaling.

6. Ansible role structure.

11-Company: Tavant Technologies__L2_discussion

29/11/2023

1. My container creating in 172.10.1.0 ip address, I need to create it for 10.10.1.0 how to do it.

2. I am deleting a pod using kubectl command. But it is still in terminating state since 3 days... What might be the issue and how to resolve.

3. Difference b/w variable.tf and vars.tf file?

4. U don't have back up of state file, u have created 50% of infrastructure but ur server crashed and u will get new system... How would you get created infra and continue rest of work?

5. Types of roles in aws?

6. How would you give permission to a user for static website access rather than complete public?

7. Command to know the number of API request to the server?

8. Application is slow from one day...what are the commands you would use to check the reason and how to resolve it?

10. You will install some applications using user data , then which logs you would check to know whether they installed properly or not?

11. Username passwords should not show in the console output of the pipeline, How would you do it?

12. How to create volume and mouth to instance? And how to increase configured volume steps?

13 types of routing in application load balancer?

14. Types of s3 API's to interact with services?

15. How to connect on-premise to cloud?

16. U have 2 microservices you need to deploy one microservice to the t2.Large and other to m7g.large , how would u do it?

17. Command to know the details of certificate file?

18.U hv created an user and provided username and password.. But while login to server it's showing access denied... What might be the possible reasons?

19.what is the command to know public ip address of nodes?

20. Difference b/w terraform flow and workspace?

12-Company - Cognizent

1. What are kubernetes components?

2. Components of Prometheus?

3. What is docker bind volumes?

4. How to schedule a pod in specific node?

5. What is static pod in kubernetes?

6. What is headless server?

7. What is RBAC and how to use it?

8. How do you scale kubernetes pods?

9. Difference between CMD and ENTRYPOINT?

10. Difference between docker and podman?

11. Explain the lifecycle of docker container?

12. Command to connect the network to docker container?

13. What is the purpose of taints in terraform module?

14. Difference between kubernetes and docker swarm?

13- Company : Cognizant

1.   Introduction , about current organisation and project

2.   Explain complete CICD pipeline

3.   What do you mean by code coverage and code quality in SonarQube?

4.   What is the % of quality gate u have in your project? What happens if quality gate fails and whether build will success or not?

5.   Which docker image using in ur application? And advantages of alpine image?

6.   How do u do docker image scanning?

7.   Explain branching strategy used in ur project?

8.   How to trigger the Jenkins job?

9.   How ur maintain different platforms in ur organisation? How ur managing pipeline in different environments?

10.   How u handle the exceptions in pipeline?

11.   K8S architecture

12.	How to create a pod on a particular worker node?

13.	Explain deployment strategy using in ur project?

14.	What do u mean by canary deployment?

15.	What are the infrastructure resources u have created using terraform?

16.	What is the mechanism in terraform lock file?

17.	Suppose u have created aws eks created and now how u will u import it to terraform and what the command u use?

18.	Explain dependency in terraform?

19.	What is the external data block in terraform?

20.	How do you monitor the servers? And about exporters used?

21.	Which login tools ur using now? And how will u check the production issues and ur managing the application logs?

22.	In ur project where u have used ansible playbook?

23.	How u secure ur k8s cluster? What is rbac ?

24.	Suppose pod logs r storing in /opt/logs and write a task to delete old logs and keeping only 10 days logs. How will u automate the task with respect to particular pod. How will u automate the task on every day?

14-COMPANY: TAVANT pvt ltd

30/11/23

1. introduction

2. what is team structure and team size

3. how many applications you have managed in project

4. What kind of application? What is the purpose of these?

5. explain about your micro services in project

6. Explain the current project in detail and describe it

7. what are technology developers used it and which kind of frame work they used

8. Are you using spring boot techmolgy and how

9. How the code is organised for the microservices

10. Is that your team manages the jenkins and how

11. How many jobs you have created for your microservices

12. What is branching strategy have been used in your project

13. How the jenkins job associated with branching strategy

14. What all are the stages you have in your jenkins pipeline in your project

15. How the deployment work will do in your project wrt to jenkins

16. How you are handling and managing the deployments on different environments

17. What all the objects we need to deploy one micro service

18. How many volumes are used in your project and why

15- Devon

1.how will u give access of S3 bucket to a pod in k8s cluster

2.tell me about service account and why u used it?

3.difference between role and cluster role.

4. If pod-a is in one namespace and pod-b is in another namespace,how will u establish communication between them.

5.terraform

  -if u have created the resources in cloud like ec2, then how will u extract those resources into terraform module?

- what happens if state file get deleted.

- if u created the 10 resources using terraform,now u should delete only 6 resources out of 10 how can u do it?

- where will you store the statefile.(S3). can't we Store it in GitHub?

-do u enable versioning to statefile in s3.

6.s3 versioning meaning.

7.different types of ec2 instances based on pricing. what is on demand instance.

8.if u have an application running on a single instance and the load will be constant.will u use autoscaling?

16-Company Name - Capgemini

1. What is cloudfront?

2. What is the use of cloudtrail and cloudwatch?

3. What is cloud formation?

4. Difference between snapshot and AMI?

5. Explain terraform and lifecycles?

6. What is terraform local and variable?

7. How to import awseks to terraform module?

8. Where do you store terraform state file?

17- Company: Happiest Minds

1. Introduction
2. -Types of instances based on cost
3. -when you launch ec2 instance via console you will see 2 checks running what does it?
4. -security features for instance level n subnet level wat it is in AWS and explain
5. Diff b/w horizontal scaling n vertically scaling
6. Storage of AWS and it's difference
7. Have you used load balancer in ur project and type of lB
8. -port no of DNS
9. -Have you worked on Route53
10. -have u configured any records in your project
11. -Have u worked on other resources in AWS
12. -write CI/CD pipeline
13. diff b/w docker n kubernetes
14. -what is dockerfile
15. once u create a image where you r storing the images in u r organisation
16. -diff b/w git pull n fetch n commands
17. -syntax of ansible playbook
18. -command for AWS eks creation
19. -Ci/CD tools in AWS
20. -what is stack
21. -have u configured monitoring tool in ur project
22. -Iac tool used in project

18-Company Name: Taptic Randstad

1. Explain CICD

2. What is Argocd and argocd image updater?

3. Describe the purpose of jenkins plugins?

4. What are parameters in jenkins?

5. How do you trigger build ?

6. Explain difference between upstream and downstream project?

7. Explain how you resolve jenkins build failure?

8. Explain storage classes in S3?

9. How do you host static website?

10. Configuration of cloudfront with s3?

11. How do you enable s3 bucket logging?

19- Company: Eminds

01/12/2023

1. What is docker volume and network?

2. In docker hub ur container is missed, what are the measures you will take as a devops engineer?

3. How to configure https for the application?

4. What are the approach you will take to update the node?

5. How to schedule all the pods of one node to the other node?

6 How Pod -a and pod- b communicate within the cluster?

7. What are the troubleshoot work you have done wrt kubernates cluster?

8. What is the purpose of nodeport service?

10. If worker node is detached from the cluster, can we schedule the pod to that node?

11. Version of kubernate?

12. Brief on project and k8 infrastructure?

13 what are the base images are using for microservices?

14. Write a shell script to list and show process resource utilization of 3rd and 6th position.

15.shell Script to delete the duplicate numbers in a set of numbers?

20-Company Name : Capgemini

1. Wite a shell script of hashmap?

2. Write a shell script to find max no. In sequence of numbers?

3. Have you worked on python?

4. Difference between CI and CD?

5. Explain Infrastructure as code?

6. What is process substitution in shell script?

7. About current working company and projects?

9. Have you worked on any data base application?

21-Company: Mphasis

02/12/2023

1. What is terraform state locking?

2. What is provider and provision?

3. How to create an instance and have to install http application in that instance. How to do it using one configuration file?

4. How to secure our state file?

5. What is remote back up in terraform?

6 How to instance 10 packages at a time using an ansible playbook?

7. How to manage secrets in ansible?

8. What is namespace?

10. How to deploy pod to particular node?

11. How to expose our application to outside world?

12.what is application LB?

13. What is autoscale conf and launch template?

14. U are unable to access the state lock file?What are the possible reasons?

22- Company: Harman

01/12/2023

1. Command to display bottom 20 lines of a file?

2. An user was able to access the instance yesterday but today he is getting access denied what might be the issue?

3. How to configure auto scaling for ec2 instance?

4. What is subnet?

5. I want to deploy a file to all the environments, which parameter i can use in Jenkins.

6 Types of provisions in terraform? Explain

7. Diff b/w variable.tf and .tfvars?

8. Where do u store terraform state file?

10. When we do PVC we can't able to get the PV. What would be the reason?

11. Which service you are using as PV?

12.What is resource graph in terraform?

23- Company: Maveric systems

04/12/2023

1. What is grep and find command?

2. What is git fetch and git pull?

3. Explain CI/CD?

4. Explain Branching strategy u r using in ur project?

5. when we enter www.example.com how application works in backend. Explain flow?

6 How to configure DNS for the application?

7. What is nodeport?

8. Which component would check health of pods?

10. What is liveness and Readiness probe?

11. Explain deployment manifest file?

12. Write a shell script to list the pods and delete those pods?

13. What is CDN?

14. What is annotation in k8?

24- Company Name: Maveric Systems

1.   CICD pipeline and stages used in ur project

2.   Which object is required to pull images in to k8s explain?

3.   What kind of challenges faced in k8s?

4.   How to expose application to the external world?

5.   How will service will get to know to which pod it should redirect the target?

6.   Lets say application is running on 3 pods and in next month traffic may increase. So how will u increase pods in order to handle traffic?

7.   Commands used to build the binary in Jenkins

8.   Integration of SonarQube in to the Jenkins platform

9.   Commands used to push artifacts to jfrog

10.   Explain infrastructure wise issues faced in Jenkins

11.   How to give access to new user to github?

12.   When u have pushed changes to remote repo, then after that u will come to know something was incorrect in the last push. So how will u act on this situation?

13.   Write a docker file used in ur project and explain

14.   Write a terraform backend script

15.   How to pass environment variables to dockerfile

16.   About terraform refresh

17.   How and where u r storing state file?

18.   About ansible roles used in ur project?

19.   About vpc architecture used in ur project?

20.   How u have integrated Prometheus and Grafana?

25-Company: Mphasis_ L2 discussion

05/12/2023

1. Explain terraform flow?

2. What is terraform validate?

3. What is remote backup in terraform?

4. What is module in terraform?

5. What is data block in terraform?

6 At what stage of work flow state file will create?

7. When you manually delete an ec2 instance in aws and run terraform apply command, what will happen?

8. What is the advantage of remote backup of state file? And why we shouldn't store in local?

9. What is terraform output?

11. what is dynamic block in terraform?

26 -Company :DSA SOFTECH

CLEINT :EXCELSOFT

1)intro

2) what is VPC and it's uses

3) scenario based questions VPC

4)terraform ,it's uses

5) terraform steps

6)ansible usage

7) how u use ansible in your project

8) autoscallig and how it works and it's component

9)terraform components

10)about project

11)Scenario questins on VPC,AUTOSCALLING

27 -Altimetrik

1.terraform workspace.when to use it and how to use.

2.terraform module.

3.how terraform works.the complete process explaination.

4.shellscript to the read the fiel which contains the user information and connect to the server using that information,then clean up the server data and finally display the disk usage.

5.git command,git stash,..

6.ci/cd stages

7.aws vpc peering.

8.k8s services.how the pods will communicate internally.

9.how to update the k8s cluster.

10.how will u increase the number of nodes in the cluster.

11.how will u integrate the Prometheus and grafana.and how they work.

12.docker commands.

13.linux commands.

14.what is ansible playbook and dependency required to run playbook.

15.what is a group in inventory file.

28 - Company: Harman_ L2 discussion

06/12/2023

1. Explain VPC architecture?

2. What is private and public subnet?

3. Why we need NAT gateway, route table, IGW and subnets?

4. What is Autoscaling? How to configure

5. What is deployment and types of deployment?

6. How you deploy application? Explain what deployment manifest file contains?

7. How to attach docker volume to the container?

8.difference b/w command and Entrypoint?

9.How To get the Ip address of instance at the output in Terraform?

11.How to give access to the state file? How to do the state locking?

12. Explain 3 tier architecture?

13. Explain rolling update?

14. What is role in ansible? What is inventory file? How to mention group of targets in playbook