

Fulcrum interview question

- a) Give your brief introduction.
- b) Give/write the linux command for search the directory in particular location if the directory is not available then create a directory.
- c) list the all the files list in working directory with the types
- d) Write the shell script for check the value is greater or smaller than given number
- e) Assume you have written a code

Hexaware Interview round 2

- Q) Give the brief introduction
- Q) What is the diff b/w git fetch & git pull
- Q) What is the diff b/w git rebase & git merge, give one real time example
- Q) What is the difference b/w entry point & CMD in dockerfile
- Q) Write a dockerfile to print simply hello world.
- Q) What are the all attribute we are using in dockerfile creation
- Q) What is the diff b/w ADD & COPY
- Q) What is multilayer in dockerfile
- Q) How to minimize the size of dockerfile
- Q) When you are creating container out of this image & you are logging into your container so after logging your container you want to see what is the user along default user
- Q) How we can change from root user to specific user
- Q) What are the stages included in declarative pipeline
 - i.e. skeleton of pipeline & stages
- Q) What are stages available in CI part.

Globant 2nd round.



- Q) Lifecycle of maven
- Q) For the linux machine & windows machine when we are configuring the jenkins what are the steps needs to follows & how to manage worker nodes in jenkins & how we can add agents
- Q) Is there any ^{other} way to launch agent through SSH & other way.
- Q) We have already java 17 & we just have to upgrade that to java 21 how we can do
- Q) The ways in jenkins to trigger the builds
- Q) Which type is better to trigger the builds & why its better in Jenkins
- Q) If we want to achieve a particular microservices in CD should not directly do in deploy microservices it should trigger other CI Service job 10 times so the microservices should deploy 10 times but it should not wait for other jobs its be completed it should deploy job 1 | job 2, like wise & after few mins all the

CT's are build & once we got the response as successful then only we can move to the next stage i.e. fit & regression stage. How we can do?

- Q) Write a dockerfile for ubuntu machine & for containerization
- Q) Diff b/w COPY and ADD in dockerfile
- Q) Have you used docker compose
- Q) What is docker share?
- Q) Can you tell me different types of network
- Q) What is libat is the diff b/w two `com` `CMD` in dockerfile & one `CMD` in dockerfile
- Q) What is cloning container
- Q) Have you written module
- Q) What is the purpose of workspace in terraform
- Q) How did you do statefile backup.
- Q) How we can use statefile or module in jenkins.
- Q) How you are uploading your code updates in module in develop branch.
- Q) What is use of taint command.

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- Q) If someone added EC2 instance manually & you are not aware you are getting conflict when are trying to add some instance through statefile. How will you resolve conflict from your end what all the stages you will perform to push the statefile or to apply changes.
- Q) Do you have knowledge on python & shell scriptings
- Q) What is encapsulation.
- Q) If the EC2 ^{Volume} instance not responding properly then what you can do & how to increase volume & you can attach a separate EBS volume & you can reflect to the EC2 instance m/c. what command we can use.

Globant 1st round

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- Q) Introduce yourself
- Q) Have you created all infrastructure through AWS
- Q) How we can create infrastructure in AWS how we can do VPC peering & what are important components in that
- Q) What is NAT gateway & why we are using? What is role of NAT gateway? Why we need internet gateway.
- Q) How we can connect NAT gateway
- Q) Can we attach internet gateway?
- Q) Can we directly connect private subnet through internet gateway.
- Q) When we are attaching the NAT gateway to the public subnet is it private rule
- Q) Is NAT gateway allows inbound & outbound rule or what
- Q) What is launch gateway.
- Q) DIFF b/w launch gateway & launch configuration
- Q) What is CloudFront & what is the use of CloudFront & how it will work.

Q) If we have the data & it is not updated it is showing an old one. Let's suppose in between of that time my deployment is upgraded in production in that case what we can do. in cloud front.

Q) Do you know

Q) What is CloudFormation? Explain one real basis scenario.

Q) What is the default behaviour for failed deployment in production from our side? & do you think it will delete the latest version

Q) What is transit gateway? Why we are using transit gateway

Q) What is the use of transit gateway in VPC peering & what how it will work

Q) Diff b/w VPC peering & transit gateway.

Q) Different ways of cloudwatch to check logs

- Q) Any DB things are you aware
- Q) what is RDS proxy. Use of it
- Q) Have you worked on EKS
- Q) for the EKS if you want to create a cluster how you can? & how you can connect worker node with your EKS?
- Q) How will you connect outside the worker node
- Q) which version of Kubernetes you worked on
- Q) How to check the log process is visible or not in cloudwatch
- Q) Can we use EKS drivers
- Q) what is etcd in Kubernetes or EKS
- Q) if the ^{data} backup is corrupted in etcd what we can do? what will happen after backup is corrupted
- Q) How we can check the pod is in ready state or not or status of pods in EKS? what is pros explain in details.

Q8

- Q) If the pod is failing what we can do
- Q) If we want to exceed min limits but we don't want to start the pod procedure from beginning we want to continue from failure stage only what we can do for that
- Q) How we can move from the applications from monolithic to microservices & how we can deploy that microservice.
- Q) How will you provide security for pod & microservice
- Q) What is service mesh scenario & why we use service mesh scenario

Persistent Interview

- Q) Introduce yourself
- Q) Jenkins stage in detail
- Q) If we want to replace war file through pipeline how we will do
- Q) If you are getting jenkins pipeline broken issue how will you resolve
- Q) Terraform version which you used
- Q) If s3 data is not syncing with Fc2 how will you rectify
- Q) Create a terraform script for 2 ec2 allocation for 2 different locations

Interview Interview Questions

- Q) Introduce yourself
- Q) what is the diff betn chmod & chown .
- Q) what is softlink
- Q) what is diff betn softlink & hardlink
- Q) How to check the utilization of disk volume
- Q) For java application how we can create docker image
- Q) What is entrypoint in docker
- Q) diff betn CMD & entrypoint
- Q) Can you give scenario where we can use CMD & when entrypoint
- Q) What is command we use to copy one file from running container to local file



- Q) What is source path in command
- Q) For all running container what we can use instead of source path in command.

Aumini Techworks Interview

- Q) Introduce yourself
- Q) Where are you storing statefile & How logging system work there
- Q) How do you manage your statefile
- Q) What is meta arguments in terraform
- Q) Types of roles in AWS
- Q) How do you accept the public request to provide loadbalancer in AWS
- Q) Have you worked on private security hub
- Q) What is diff b/w loadbalancer & application load balancer & which type of application used that load balancer
- Q) What are the terraform provider & how they work & what it does?
- Q) How do we handle sensitive data in terraform
- Q) What is secret manager in terraform
- Q) Diff b/w count & for_each in terraform; where do we used count & where do we use for_each.

- Q) Tell me how do you handle terraform upgrade version automatically without using manual command.
- Q) How do you migrate the terraform state from one backend to another
- Q) What terraform state command do
- Q) What is terraform import
- Q) On what factor load balancer will route traffic what are the other ways we are following.
- Q) Why API gateway we are using Zensar Interview question.

- Q) Introduce yourself
- Q) Where we are storing statefile in terraform
- Q) How to upgrade EKS cluster with 0 downtime
- Q) What is namespace in amazon Eks
- Q) What is cloudfront
- Q) What is cloudwatch? How it is used for monitoring
- Q) Which instance type you are using in organization
- Q) what command we are using to kill the process in linux
- Q) How the Akis lambda integrate it with other services

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- Q) How ansible used for configuration mgmt
- Q) Have you worked on autoscaling & load balancing
- Q) Have you worked on SLA & SLO
- Q) VPC peering how will you establish connection 2 VPC
- Q) Explain the devops process which you are following
- Q) What is blue/green deployment
- Q) If you are facing deployment issue at production what you can do & How will you resolve issue
- Q) For the production if you are facing issue what is the process you are following from whom you are taking approvals
- Q) What is your recent blocker which you faced for production & how you resolved issue.
- Q) How will you check running process through linux

Interview for Citiwtech Healthcare

- Q1. Roles & responsibilities in your current project
- Q2. Are you familiar with any cloud
- Q3. What is the process for deployment in openshift
- Q4. Have you worked on linux server & windows server
- Q5. Which version of windows you worked with
- Q6. Are you familiar with powershell.
- Q7. You have a huge database up or datafiles - in term of GRD or TDF, move this from datacenter to any cloud what is the things we will consider what tool we need to use, what is your approach, how you can achieve very efficient way, will you be using any script or tool for this approach, how will you achieve
- Q8. You have an application which is running on linux to migrate this to windows env what will be approach
 - what is testing approach to check it is migrated or not
- Q9. Is openshift env is completely setup by you or it is managed.

Vodafone Interview

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- Q) Introduce yourself
- Q) What exactly statefile in terraform
- Q) Are you providing any security to statefile where you are exactly storing state file
- Q) How there locking is working for S3 storage for terraform statefile
- Q) What is module
- Q) In module we have variable or value can we use that variable in another module.
- Q) In a main module we have a variable file in that we have 2 diff variable, I need to use this module & i need to run terraform plan & apply in main module how will you modify this variable from module A.
- Q) If i want to create 3 EC2 instances in that how will create terraform
- Q) After creating instance terraforms i need to install ansible how we will do
- Q) What is terraform drift
- Q) What is a lockfile in Terraform
- Q) what happens when you execute init command
- Q) What is git?

- Q) Explain steps to deploy the docker image for that what def step you will do devops perspective
- Q) What is kubemeter command to deploy the application
- Q) What is diff b/w Ingress & Loadbalancer
- Q) What is the command we check the log for running pod
- Q) For particular service log how we can check using command
- Q) What is diff b/w private subnet & public subnet
- Q) If you are not able to access public subnet port how will troubleshoot when you create the infrastructure we have configuration file what command you can use to for terraform.

Citibank scaled interview [Virtusa]

- Q) introduce yourself
- Q) do you have experience terraform, how you are using in your project
- Q) In terraform how we can use if-else condition.
- Q) How we can use ternary operator
- Q) Why we are using count & for-each & which condition we are using count & for each give real time example
- Q) If you are adding EC2 instance from script through terraform & you are getting error what are action you can do to resolve
- Q) How can we use terraform import give the command.
- Q) For which protocol you will choose in NLB while configuring listeners
- Q) What is bastion host & how to use bastion host
- Q) Have you worked on AWS accelerator
- Q) How can we choose subnet
- Q) Origin access identity why we are using
- Q) Linux ls commands
- Q) what are the pros & cons of blue-green deployment

Alumni Techworld Interview.

- Q) Introduce yourself
- Q) Where we can define variable in terraform
- Q) diff betn tfvars & variable files
- Q) How can we establish the connection betn load balancer to target
* to DNS
- Q)

FY Interview

- Q) Introduce yourself
- Q) What are the parameters of load balancer
- Q) You have to create an app of load balancer, AWS cloud what are the parameter we have to use to create a load balancer
- Q) What are the target groups
- Q) Diff betn security group & NACL
- Q) Routing policy types for routes3
- Q) What is failover routing
- Q) In S3 bucket what kind of data we can store
- Q) NULL resource in terraform
- Q) What is the workspace in terraform & how we can create give command.

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- Q) Under providers in terraform what terms we need to consider
- Q) What is meta arguments in terraform
- Q) What is probe & types of probe
- Q) Secure kubernetes how we can handle
- Q) API securities
- Q) When you tried to hit app in the browser it shows completely blank it is not showing any error what the troubleshoot we need to do
- Q) When we are using env in docker
- Q) Diff betn CMD & Entrypoint
- Q) What is command to list container running & non running application in docker
- Q) diff betn git pull & git fetch
- Q) diff betn git merge & git rebase
- Q) Can you write deployment.yaml config for in kubernetes.

Cappgemini Interview

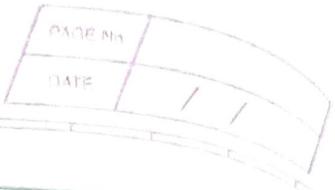
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- Q) Introduce yourself
- Q) When you are working with large team what is the big challenge you was facing
- Q) Explain the use of actual tool in project & what is the use or purpose of devops guy in team
- Q) When we are getting scaling issue ^{AKS} what troubleshooting you will do
- Q) EC2, lambda, ECS in which scenario you can use one of them
- Q) What is the diff. betn each EC2, lambda, ECS
- Q) For S3 bucket security what we can do
- Q) If in your team for one decision there is disagreement from team mate then how you can take a decision on that what actions you will perform
- Q) diff betn monolithic & microservices
- Q) Explain architecture for monolithic & microservices in term of devops perspective
- Q) production ready application using terraform, bitbucket & all tools & technology in devops

- Q) Explain end-to-end production ready application in details with step by step.
- Q) In jenkins what type of jenkinsfile you have created
- Q) What is the issue you was facing at production site & what you did to resolve.
- Q) What is your weaknesses
- Q) In your AWS environment you experiencing high latency how will you troubleshoot this issue
- Q) What is the error in Route53

(12 March)

Mphasis Interview.



- Q) Introduce yourself
- Q) How you used cloudfront in your project ? why we are using this?
- Q) How you will assign policy rule for this . Explain all stages to setup the transformation.
- Q) How we will create VPC peering what are the important content in this
- Q) What is Network address translation
What is the use of it where will we use it
- Q) What is transit gateway ? what is the use of it.
- Q) lets assume EC2 instance we are connecting to S3 bucket but the API is not working how will you troubleshoot the issue
- Q) If we are facing any issue what you will check in route table
- Q) What is diff b/w minimum capacity & decide capacity
- Q) scaling policy types
- Q) which scaling policy you are using

- Q) By default when we are using the cloudwatch then what it will provide? And if want to add feature what we need to do

- Q) Types of disk drives types' storage in S3

- Q) What is difference betⁿ S3 standard & S3 Redundancy.

- Q) When we are using route53
- Q) Let assume i have application zomato.com, I have a load balancer how we can decide which type of load balancer we need to use

- Q) How we can add SSL certificate
- Q) How will check Vulnerability in your code
- Q) Create different container from single file in docker
- Q) What is namespace in kubernetes
- Q) How we can prevent any unauthorized access
- Q) If am unable to scaled deployment how we will resolve issue
- Q) How many ways we have to install the plugins in jenkins
- Q) What is backend in terraform
- Q) At which stage tfstate file ^{will} create?

Capgemini Interview

- Q) Introduce yourself
- Q) Do you have experience in azure devops
- Q) What's the backend application you are using where you are deploying that application
- Q) For VPC peering what attributes are required
- Q) In EC2 instance how we can assure about security
- Q) How we can check is application working fine or not how we can check log. if we want to
- Q) For the production change pod image how we can do
- Q) For rolling update how & who can do it which situation.
- Q) If the pod is failing what you will do to resolve issue
- Q) If we are failing crash loopback off what is the main reason behind that
- Q) for API server if we are getting issue in that case what we can do
- Q) List out the command to to check the web issue
- Q) API server is part of which namespace
- Q) kube API server POD is running or not how are you going to check & How will you troubleshoot

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- Q) Can you explain the IAC
- Q) Can you explain the end to end process for which you are using currently.
- Q) If we want to add different env for diff deployment means dev, stag, prod in terraform how will you do
- Q) If when state lock is happened, if statefile is locked what you need to do, how will you resolve issue.
- Q) Which type of statefile types you are using
- Q) What are the databases exists in AWS
- Q) Can you explain end to end CI/CD pipeline with all stages
- Q) Before development How big team is there where you worked
- Q) How you are planning for task
- Q) If you are facing any issues and you are not able to resolve what will you do.

Virtua Interview

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- Q) Introduce yourself
- Q) Where are the development team is located.
- Q) If we are getting merge conflict how we will resolve that
- Q) Explain end-to-end CI/CD Flow in your organization
- Q) There are multiple stages in jenkins so in build what the first stage will happen like build or test
- Q) How do you compile the code
- Q) How maven works ? How maven build works
- Q) How the maven configure with jenkinsfile
- Q) Where we can add groupId, the group id in maven
- Q) Where you are storing the artifact How will you store where you are configuring that
- Q) How maven will know settings.xml
- Q) Whenever we are going with production how we check the correct artifact is deployed
- Q) How you we will get commit id , where you can able to see commit id ?

- Q) How will you send that commit?
- Q) If you are deploying something in your production, you have change 10 items those you have already reported now you need to show remaining 11 to 20 items to your manager how will you do
- Q) See your appⁿ is running now suppose we want to deploy something ^{new} in your application what or how you will you do explain all the stages in details
- Q) If they want to update the details which deployment strategy we can use
- Q) What is blue green deployment & what is canary deployment
- Q) What is autoscaling how it will work why we are using autoscaling
- Q) Diff b/w autoscaling & load balancer
- Q) What is AMI? why we are using & where we are using AMI
- Q) How do you find is file is there or not..
- Q) Why we are using grep..

EPAM Interview

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- Q) Introduce yourself.
- Q) what is VPC? why we are using
- Q) Describe pros & cons VPC
- Q) Explain S3 storage classes
- Q) diff betn Object storage & block storage
- Q) what is structured data
- Q) What is web console
- Q) DIFF betn S3 & EFS
- Q) from private subn n/w how we can access network
- Q) If we are in same region can we access S3 bucket file
- Q) What is diff betn security group & NACL
- Q) How we are using security group
- Q) How we can change role owner
- Q) DIFF betn user & role
- Q) How we can use user data to user profile
- Q) Why we need permission boundary
- Q) What is cross account role
- Q) If we need to give high availability how we will
- Q) what is terraform
- Q) what is side container
- Q) How we can check the high usage time to running application