Tell me about yourself

* Who are you
* why your are qualified
* Why are you here

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| General Questions: | |
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|  | | 1. Tell me brief about your self |
|  | | 2. Tell me your day to day activities. |
|  | | 3. Tell me your roles and responsibilities. |
|  | | 4. How many servers in your environment |
|  | | 5. How many of your team size |
|  | | 6. what is your role means Designation |
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|  | 7. how along you are working on devops | | |
|  | 8. How much rating you wll give On DevOps, AWS | | |
|  | 9. Which scripting Language you use for automation either shell or python | | |
|  | 10. How much rationg you will give on scripting | | |
|  | 11. Which versions using in your environment | | |
|  | 12. Which ticketing tool you are using in you environment | | |
|  | 13. which versions you are using in devops | | |
|  |  | | |
|  | Tool Latest Old | | |
|  |  | | |
|  | Git----- 2.12 2.10 | | |
|  |  | | |
|  | Jenkins 2.7.4 2.7.3 | | |
|  |  | | |
|  | puppet 2.7 2.6 | | |
|  |  | | |
|  | chef 12 11 | | |
|  |  | | |
|  | ansible 2.2 2.0/1 | | |
|  |  | | |
|  | docker 1.8 1.7 | | |
|  |  | | |
|  | nginx 1.11 1.10 | | |
|  |  | | |
|  | httpd/apache 2.4 2.2/2.3 | | |
|  |  | | |
|  | Installed packages versions: | | |
|  |  | | |
|  | package name latest version older or stable version | | |
|  | apache/https 2.4 2.2 | | |
|  | nginx 1.11 1.10 | | |
|  | mysql 5.7 5.6/5.5 | | |
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|  | Git: | | |
|  |  | | |
|  | 1. what is the difference between git pull and git clone | | |
|  | 2. what is the difference between git pull and git fetch | | |
|  | 3. what is staging area in git. | | |
|  | 4. what is git stash | | |
|  | 5. what is reset in git | | |
|  | 6. What is the difference between HEAD and checkout in git | | |
|  | 7. Have you configured github repository locally | | |
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|  | Jenkins: | | |
|  |  | | |
|  | 1. How to upload the .json file in jenkins | | |
|  | 2. How to send the mail when build is unstable or broken | | |
|  | 3. How to store the jenkins server backup and restore | | |
|  | 4. How to take .xml files backup | | |
|  | 5. How to set the jenkins job build numbers | | |
|  | 6. What we can do with jenkins | | |
|  | 7. Why we are using jenkins | | |
|  | Ans) We can build, autodeploy, test the projects, send the notification.... | | |
|  | 8. Do we need to install jenkins in nodes | | |
|  | 9. How you can write and execute the shell script in jenkins | | |
|  | 10. How to manage the nodes, how to manage the users, how we can create perticular project based authentications in jenkins. | | |
|  | 11. How I can integrate the LDAP using jenkins | | |
|  | 12. why we use nodes in jenkins | | |
|  | 13. How to configure windows agents in jenkins | | |
|  | 14. How to reduce the build time in jenkins | | |
|  | 15. I configured one project in jenkins I'm trying to configure anothe project but it's not getting added how you will trouble shoot. | | |
|  | 16. What are the artifacts in jenkins | | |
|  | 17. What are the artifacts in jenkins | | |
|  | 18. How you will give the customized build numbers in jenkins | | |
|  | 19. How you will send the notifications wether build is fail or success | | |
|  | 20. what is the pipe line project in jenkins | | |
|  | 21. what is the system type of jenkins server like t2 micro t2 medium. | | |
|  | 22. what is the stages of your jenkins project like pipe line project | | |
|  | 23. How will you give authentication permissions to the users in jenkins | | |
|  | 24. I have upgraded from one version to another version in jenkins after upgrading some of my upgraded plugins are not supporting to new version of | | |
|  | Jenkins then what you will do. | | |
|  | 25. How you will decide no of executors in jenkins | | |
|  | 26. How to reduce build time in pipeline project | | |
|  | 27. How set maven deployment path | | |
|  | 28. How to define no of executors in jenkins | | |
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|  | AWS: | | |
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|  | 1. How to increase the root volume size of your ec2 instance. | | |
|  | 2. How to increase the root volume of your ec2 instance without changing instance ip address | | |
|  | 3. How to scale instances timings base using autoscaling | | |
|  | 4. How to configure ELB in AWS | | |
|  | 5. What is sticky session ELB in AWS | | |
|  | 6. How will you configure sticky session | | |
|  | 7. How to upload SSL certificates in ELB | | |
|  | 8. What is cross balancing in ELB | | |
|  | 9. How to delete the one year old files in s3 bucket in AWS | | |
|  | 10. what is Classic ELB | | |
|  | 11. What is Application ELB | | |
|  | 12. What is the difference between classic and Application ELB | | |
|  | 13. How to redirect the https in ELB | | |
|  | 14. How to deploy or copy the application on autoscaling | | |
|  | 15. What life cycle in S3 | | |
|  | 16. Have worked on spot instances | | |
|  | 17. What is cloud formation | | |
|  | 18. What is CloudFront | | |
|  | 19. What is public subnet and private subnet in aws | | |
|  | 20. what are the challenges you faced while migrating servers from physical to cloud | | |
|  | 21. What is RDS in aws and how will you launch RDS in instance in AWS and how will you connect it. | | |
|  | 22. Difference between private cloud and public cloud | | |
|  | 23. What is EC2, S3, ELB, Autoscaling, Cloudforamtion, CloudFront. | | |
|  | 24. I want to stop 24 hours mysql database instance how you will stop it. | | |
|  | 25. how to configure ELB health checks | | |
|  | 26. what is the difference between AMI and Snapshot | | |
|  | 27. I want to configure ELB with one instance does it work | | |
|  | 28. which mysql versions are available in RDS | | |
|  | 29. what is VPC in AWS and what is the use of VPC and how will you create public, private subnets and NAT instances and gateways | | |
|  | 30. What are the terminologies available in route53 | | |
|  | 31. IAM policies | | |
|  | 32. what is the mechanism of ELB | | |
|  | 33. what is the mechanism of Autoscaling group | | |
|  | 34. How will you provide ec2 instance key to users are you using any protocall for this | | |
|  | 35. | | |
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|  | Chef: | | |
|  |  | | |
|  | 1. How communication happens chef server and workstation | | |
|  | 2. How communication happens chef server and nodes | | |
|  | 3. How communication happens chef client or nodes and workstation | | |
|  | 4. What is the configuration file of chef | | |
|  | 5. Which cookbook you wrote in chef and how will you write could you explain. | | |
|  | 6. How to deploy java applications using chef | | |
|  | 7. I want to update java version suppose from java 1.6 to 1.7 without modifying recipe how will you do that. | | |
|  | 8. How does chef server knows perticular node this is node for me. | | |
|  | 9. How will you take backup of nodes using chef | | |
|  | 10. How will you build chef opscode local server | | |
|  | 11. Is chef having ssl certificates? | | |
|  | 12. How to run the cookbook without adding runlist | | |
|  | 13.what are reporter and pointers in chef | | |
|  | 14.chef zero and chef one | | |
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|  | Puppet: | | |
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|  | 1. What is the configuration file of puppet. | | |
|  | 2. How communication happens puppet server and agents | | |
|  | 3. | | |
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|  | Ansible: | | |
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|  | 1. Have you worked on ansible | | |
|  | 2. Which Scripting used in Ansible | | |
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|  | Docker: | | |
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|  | 1. How you will build the your own docker images | | |
|  | 2. How to find background process in docker containers | | |
|  | 3. what is docker swarm & Compose | | |
|  | 4. Which applications are running in your docker containers | | |
|  | 5. what is entry poind and command in in docker | | |
|  | 6. In docker-compose one of my instance is down then how will you troubleshoot | | |
|  | 7. what is the difference between vm and docker | | |
|  | 8. Is docker image as iso or is there any else | | |
|  | 9. How containers share memory by baremetalbox or some where else | | |
|  | 10. How containers will get volumes | | |
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|  | Linux: | | |
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|  | 1. I have 100GB space in my '/' directory I'm trying to create files or directories in '/' directory I'm getting error called you dont have space, | | |
|  | then what could be the reason | | |
|  | Ans) Inode full | | |
|  | 2. Shift A guy created filesystem and mount it to /tmp, shift B guy trying to create files and directories in /tmp, but he is unable to create files or dir's | | |
|  | then what could be the reason | | |
|  | Ans) May be filesystem is in read only mode | | |
|  | 3. what is the difference between useradd and adduser commands in linux | | |
|  | 4. what is logrotate how will you create logrotate for apache | | |
|  | 5. what is swap | | |
|  | 6. how to check swap space | | |
|  | free, free –m | | |
|  | 7. Is swap space must need while installing linux os | | |
|  | 8. what is the use of iostat and vmstat commands | | |
|  | 8. what are the columns and rows in vmstat, iostat, top commands | | |
|  | 9. what are the run levels in linux | | |
|  | 10. what is system storage management(ssm) | | |
|  | 11. how to upgrade rhel6 to 7 | | |
|  | 12. which versions of packages you installed like nginx, apache, httpd.. | | |
|  | 13. what is nginx | | |
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|  | Vagrant: | | |
|  |  | | |
|  | 1. What is vagrant file | | |
|  |  | | |
|  | Nagios: | | |
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|  | 1. Which monitoring tool you are using | | |
|  | 2. Have you configured NagiOS. | | |
|  | 3. How to configure nagios services | | |
|  | 4. What are the states of nagios | | |

What is Continuous Integration?

What CI tools have you used? Example: Travis-CI.

What is Continuous Delivery and why is it important?

What is Continuous Deployment?

Explain the importance of A/B testing and how it relates to software delivery? o What are your favorite deployment techniques and why? Examples include: 0 Downtime, Canary, or Blue/Green deployments.

Explain a time when a software release has gone poorly

How can you reduce the time to test and Deploy code?

What types of source control programs are you comfortable with?

What are the benefits of using source control?

Describe some branching strategies that you have used?

Give an example of a good commit message?

Talk about different types of automated testing you have implemented?

What is the importance of software testing?

What testing paradigms do you use, if any?

Explain the difference between unit and end to end testing?

Have you used any testing frameworks? If so, which ones?

Explain what a RESTful architecture is?

How would you scale a slow website?

Your application just got millions of users overnight, what do you do?

What are some ways to increase client-side performance?

Can you explain the significance of a primary/replica database architecture?

What are some caching strategies you can implement to increase performance?

What are the advantages and disadvantages of implementing a Microservices architecture?

What is the difference between vertical and horizontal scalability?

What is the difference between a relational and non-relational database?

When do we optimize the database?

Can you give some ways to optimize the performance of a database?

What does A.C.I.D mean?

How can you customize the query plan to increase throughput?

Explain how you would do Database Continuous Delivery

How can you view running processes?

How do you check server uptime?

How do you start/stop services?

How do you display the shell’s environment variables?

What does #!/bin/bash at the top of a script do?

What does "&" after a command do?

What does piping commands mean?

What distributions have you used on servers?Why?

**Security**

What is the importance of SSL?

What is a SQL injection?

What is cross-site scripting (XSS)?

Why shouldn’t you roll your own crypto?

How are passwords stored on databases?

What is a Man-in-the-middle attack?

How do you safely manage environment variables in a cloud environment?

How do you manage security updates?

How do you keep encryption keys and credentials secure but make them available to machines that need them?

**Cloud**

Which cloud providers are you familiar with?

What are the benefits of using a cloud provider?

Have you managed production systems in the past?

**Configuration Management**

Which Configuration Management tools are you most comfortable with? Examples include: Chef, Salt, Puppet, or Ansible?

**Container**

How does Docker improve scalability, distributed computing, and efficiency vs. traditional cloud virtual machines?

List some Docker use cases

**Networking**

What is the difference between a vlan and subnet?

What is a broadcast domain?

What is the difference between icmp, tcp and udp?

Explain how a tcp session is set up?

How are tcp options negotiated and selected?

How would you use tcpdump to determine if one remote host was making a connection to your server?

**General**

Which Software Stack do you use and why?

Describe your worst Fear?

What new technology would you like to learn?

Have you worked on any side projects?

Do you contribute to any open source projects?