DevOps & AWS Interview Quetions

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DevOps Interview Quetions

<u>COMPANY-1</u>

1. Current roles & responsibilities?

2. What is Docker compose?

3. What is Docker server version?

4. What are the advantages of Docker?

5. How do you setup Docker in Jenkins in production environment?

6. How do create Docker image from Docker file?

7. How do you deploy the Docker image generated in the testing environment to production environment in Jenkins?

8. What is Docker data centre?

9. What is Docker hub & uses?

10. What are the types of Docker networks?

11. How do you define network in the Docker compose file?

12. What are the basic parameters required in the Docker compose file?

13. What is Docker interlock?

14. What is overlay networking?

15. How to communicate between 2 containers present in separate network?

16. How to store the data present in the Docker container in the AWS?

17. If we define the Docker volume in the Docker compose file is it possible to share data with the EFS, NFS?

18. RexRay, Flocker Tools?

19. Jenkins /Hudson?

20. What is kibana?

21. How to pull the logs from Docker container to the ELK? And describe the process?

COMPANY-2

1. How will you identify which one is public subnet & private subnet in VPC?

2. What is cloud formation?

3. Is Amazon EBS storage is NAC/SAN storage?

4. What are services available to connect your premise data centre to AWS cloud?

5. Is S3 similar to Ext2 or Ext3?

6. ARP?

7. What is SSL?

8. What is GRUB?

9. What is Maven& where it is used?

10. Which is major file maven required?

11. What is strace command in Linux and its uses?

12. What is Docker file?

13. What is CA (certificate Authority)?

14. Inode?

15. What is Chef?

16. What is diff between chef apply, chef client, chef solo?

17. What is ohai?

18. What will happen if we do not specify any resources?

19. Can AWS EC2 access s3 bucket without access key?

20. What is the difference between CMD & Entry points?

1. I want deploy containers but have storage persistent problems in AWS and in Docker?

22. How do you solve the issue?

23. Do you know how SSL works?

24. Have you heard of certificate Authority?

25. I have an issue which is found by Nagios monitoring i.e. one process is sending a lot of high out band how do you find the process which is doing & solve the issue?

26. What is TCP? Explain the process and steps in it?

27. Where are DNS details stored?

28. Curl google.com is executed Explain the process & steps performed?

29. In Chef it we want to create file if only it does not exists then how will you write/describe it?

30. does the etc. /resolve file contain?

31. DNS works on TCP/UDC?

COMPANY-3

1. Brief me about yourself?

2. Roles & Responsibilities / Daily Activities?

3. What is Chef Client?

4. Where are your cookbooks stored in chef server?

5. Where do you have details about chef server in chef client?

6. What are the tools you are using in your company & uses?

7. What are services you're monitoring in Nagios?

8. How to gracefully shutdown Tomcat?

9. Do you have Ruby and scripting knowledge?

10. What is Docker used for?

11. How are you using AWS in your project/company?3

12. What is httpd/Apache and diff from Application server?

13. What is nginx? What are the configurations that can be done in nginx, what its uses?

14. Do you write sql queries in MySQL in your job?

15. Do you perform documentation for the installation process?

16. How do you override in chef (attributes)?

17. How do you get the code for building applications?

18. Does nginx support SSL?

COMPANY-4

1. Brief me about yourself?

2. What are the daily activities?

3. Why Chef?

4. Tomcat Heap size/memory issue resolving?

5. What are the fields in resolving above issue?

6. What is the max Ram size needed to solve any JAVA memory issues in Tomcat?

7. Explain about your Jenkins work flow?

8. How you are creating/launching EC2 instances?

9. What are IAM roles?

10. Difference between IAM Roles & Policies?

11. What is VPC?

12. What is public subnet and PVT subnet?

13. How we can access the servers in private subnet from outside world?

14. How do you deploy Artifacts to application server using the Jenkins? With plug-in without plug-in 15. How to communicate between two Docker containers which are in separate networks?

16. How to build using maven Jenkins?

17. What the ticketing tool?

18. What is use of nexus?

19. Docker version?

20. Why not kubernetes and why swarm?

21. How do configure Web logic?

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COMPANY-6

1. Describe your AWS Architecture in your company?

2. What is RDS what is the work you have done in RDS?

3. What is cloud formation?

4. What is CDN?

5. I have pdf files in an instance and they are eating away the space. I need these files, what is solution do you provide for accessing these files?

6. What is route 53? How do you configure it? And link it to ELB?

7. What are private subnets? What is it needs?

8. What is the need for having your application or instances in private subnets when you have public domain through route 53?

9. What is ELB? How do you configure and its needs?

10. What is the monitoring tools and types of services you're monitoring?

11. What are the issues you're facing in your job or daily activities and do you troubleshoot them?

12. How do you configure kibana? What can you do in it?

13. How do you pull the logs from the system to your ELK?

14. How do you configure ELK?

15. Is it necessary to have log stash? Cannot we do the work without log stash only using the elastic search?

16. Do you know about Node JS?

17. What is Rest APIS? PUT, POST

18. What are micro services? In general what are services?

19. What are the tools you are using in continuous integration/CD?

20. How are EC2 instances created in your architecture?

21. Do you have any idea about local servers?

22. How do you use nginx in your project?

23. How do you setup your physical environments?

24. What is the ticketing tool you are using?

25. What are the instances type's you are using in your AWS architecture?

COMPANY-7

1. tell me about yourself and work experience, what is the role performing at your organization?

2. Why you are using Jenkins?

3. Are you using Docker & which purpose you are using Docker in your organization?

4. What is load balancing in Docker?

5. How you up multiple applications at a time Docker?

6. What are components in a Docker file?

7. Elaborate some commands to create a Docker file

8. How you automate Docker process by using Jenkins

9. What is Kubernates?

10. If I give a scenario in a Docker are you willing to do?

COMPANY-8

1. How do you achieve fault tolerance in Jenkins?

2. How to write Git repo path in Jenkins

3. How can you monitor remote systems?

4. What are the ports you need to open for Nagios?

5. What is the diff b/w active check and passive check?

6. Types of server status in Nagios

7. What are the Nagios conf. files?

8. Path for Nagios plugins

9. What kind of data you can receive from Nagios client

10. How do you authenticate node with chef server

11. What will happen when you boot strapping?

12. Where do you use vagrant in your organization

13. Which version are you using Nagios

14. How can you take backup files in your organization (automate/manual)

15. What is the configuration file for MySQL?

16. Default port number for MySQL

17. What are the cookbooks you are written so far?

18. Where do you update cookbook version in chef.

19. Where is your chef server located?

20. Diff b/w chef-solo and chef-server

COMPANY-9

1. What is DevOps?

2. What is the need of chef?

3. What is cookbook and what contains?

4. What is templates?

5. What is providers?

6. Libraries usage

7. How to call a library in a recipe

8. Purpose of role

9. Purpose of environment.

COMPANY-10

1. How do you write the spring boot shell script to connect to remote machines?

2. What kind of branching and merging you worked on GIT?

Qi: What is the SDLC methodology are you following Waterfall /Agile?

Qii: What are the environments you have?

Qiii: He asked, with this kind of environment and the git release branching, does it work in agile methodology?

3. What is the protocol used in SSO?

4. Can you explain me about SAML? Which applications does it support? And which it won't support?

5. What is log aggregator? What are the tools you used for log aggregator?

6. What is tagging in GIT and what is the diff between feature branching and tagging?

7. How would you deploy software to 1000 systems? If the updates are not deployed properly to couple of servers, how do you identify and troubleshoot them?

COMPANY-11

1. Tell me the AWS ec2 instance types?

2. How do you do the AWS S3 storage partition? What is the criteria you go for partitioning? Is it by Region? I have two regions US East and US West? How do you move/transfer the data between them?

3. What is SSH? What are the scenarios, you used SSH?

4. SSH is slow to connect? What might be the issue?

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A common problem on the server is if you're connecting from a client for which reverse DNS lookups time out. (A "reverse DNS lookup" means getting back from the client machine's IP address to a host name. It isn't really useful for security, only slightly helpful to diagnose break in attempts from log entries, but the default configuration does it anyway.) To turn off reverse DNS lookups, add Use DNS no to /etc/ssh/sshd_config (you need to be root on the server; remember to restart the SSH service afterwards).

Another thing that can go wrong is GSSAPI authentication timing out. If you don't know what that is, you're probably not relying on it; you can turn it off by

adding the line GSSAPI Authentication no to /etc/ssh/ssh_config or ~/.ssh/config (that's on the client side).

1. How do you fix / what do you do for Low disk space errors? You get low disk warning, what to do?

2. How do you create a daemon in UNIX using shell script?

3. How do you troubleshoot an issue in production? How do you fix it?

4. 6 Stages of Linux Boot Process (Start-up Sequence)

http://www.thegeekstuff.com/2011/02/linux-boot-process

COMPANY-12

1. Can you tell the process how to configure Build?

2. In one job I need to build 10 applications within same server. How can you do it?

3. How can you achieve email notification with attachment in Jenkins?

4. Two Jobs Job A and Job B are there. Based on Job A can you configure Job B.? If parameters are present in Job B but not in Job A. How can you define parameters if you are configuring Job B based on Job A.?

5. How can you take Backup of Jobs?

6. Poll SCM scenario questions

7. He interlinked Jenkins with Chef and asked some questions.

8. He asked nearly 20 to 30 questions. Out of these questions most of them are scenario based questions a d some are basic questions. Chef

9. Why we use Chef?

10. What is difference between Cookbook and recipes?

11. How to provide security to chef Hosted Server?

12. How to check cookbook versions? If you tell we can see it in hosted server and Node Client.rb file. He is asking other than this how to check cook book version he asked.

13. How to check certificates in chef like we do in puppet?

14. We had to install an application in 100 nodes. If application fails to install in 2nd node, what happens to other nodes?

15. How to download dependencies of other cookbooks? What is test kitchen?

16. Some scenario based questions Git

17. What is Git Stash?

18. How to get back changes after Git Stash?

19. Branching strategy Scenario based questions

20. Git Stages and flow

21. Difference between Git clone and Git Pull

COMPANY-13

Docker:

1. Difference between image and container

2. How to run containers

3. Why we need to mention dual ports (8080:8080) in Docker run command

4. Difference between Copy and Add

5. How to write a Docker file to deploy a war file I. We have private repository and don't have base images .how can deploy a war file? ii. Write a simple Docker file to deploy a war file by using base images?

6. Difference between Docker compose and Docker swarm

7. Why we need to use Docker compose?

AWS:

1. How to create IAM? Why we need to create IAM?

2. What is EC2? Tell me some examples of Ec2 instances.

3. Why we need to use Glacier?

4. Tell me S3 reduced redundancy vs infrequent access?

5. Tell me S3 Bucket level permissions?

Linux:

1. I have a file in some location. How to find that file, in that file how to display the particular content (already you know the content)?

2. How to find a port that is enable or not?