

## **INTERVIEW QUESTIONS IN ACCENTURE 1<sup>ST</sup> ROUND TELEPHONIC**

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?

## **SCREENING TEST & TELEPHONIC ---- 18-4-2017**

### **AxiadIDS**

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?
21. I want deploy containers but have storage persisents 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 if 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?

### **IMI Mobiles**

32. Brief me about yourself?
33. Roles & Responsibilities / Daily Activities?
34. What is Chef Client?
35. Where are your cookbooks stored in chef server?
36. Where do you have details about chef server in chef client?
37. What are the tools you are using in your company & uses?
38. What are services you're monitoring in nagios?
39. How to gracefully shutdown Tomcat?
40. Do you have Ruby and scripting knowledge?
41. What is Docker used for?
42. How are you using AWS in your project/company?

43. What is httpd/Apache and diff from Application server?
44. What is nginx? What are the configurations that can be done in nginx, what its uses?
45. Do you write sql queries in MySQL in your job?
46. Do you perform documentation for the installation process?
47. How do you override in chef (attributes)?
48. How do you get the code for building applications?
49. Does nginx support SSL?

### **EASYWAY TECHNOLOGIES INTERVIEW QUESTIONS**

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 pvt 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?

### **INTERVIEW QUESTIONS IN ACCENTURE 1ST ROUND TELEPHONIC**

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?

**Interview Question (Thomson Reuters) on 19.04.2017**

**All the questions based on My Company AWS Architecture through class board discussion**

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 your 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 logstash? Cannot we do the work without logstash only using the elastic search?
16. Do you know about nodejs?
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 ur using?
25. What are the instances type's u rs using in Ur aws architecture?

1. Cloudbees Jenkins(I was explaining about Jenkins)

2. Elaborate Test Kitchen Concept and Kitchen.yaml

Once i said about that i Configure Vagrant in the Yaml file he asked me to elaborate on Vagrant

He asked me where else you use Vagrant.(i was not able to tell him anything other than test kitchen)

is there anything more than what we had discussed in tha TestKitchen?

3.What kind of recipies you have written in Chef?

4. Groovy Scripts(I have no Idea at all)

5. Devops toolchain( i was answering about the tools we learnt GIT, MAVEN, CHEF, JENKINS, DOCKER is it correct sir?

6. Differences between ANT and MAVEN ?

7 differences from SVN and Accurev

8. Some were asking how many environments you have?

9 In Maven they asked something how many builds will you be sending to Production team in the project and how often?

Also he gave me a scenario like he wants to hide some part of the code from the production team he was asking what mechanism will you be using to achieve that?

10. Also many are interested in Micro Services development is it possible for us to have some

elaborated sessions on them?

\*\*\*\*\*

## Accenture

- 1.Tell me about yourself and work experience, what is the role performing at your organization?
- 2.why your 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 kubernetes
- 10.If i give a scenario in a docker are you willing to do ?

\*\*\*\*\*

\*\*\*\*\*

- 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 recive from nagios client
- 10.how do you authenticate node with chef server
- 11.what will happen when you bootstrapping
- 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 conf 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

\*\*\*\*\*

## MindTree Questions

- 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.

\*\*\*\*\*

1.I will start with Shell. 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 me, 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 logaggregator?

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 ?

## HCL Vendor Round

Q) Tell me the AWS ec2 instance types?

Q) 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 USEast and USWest? How do you move/transfer the data between them?

Q) What is SSH? What are the scenarios, you used SSH?

Q) SSH is slow to connect? What might be the issue?

0. Add -vvv to make ssh print a detailed trace of what it's doing, and see where it's pausing

1. it might be the GSSAPIAuthentication problem.

2. Reverse DNS

The problem could be on the client or on the server.

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 broken attempts from log entries, but the default configuration does it anyway.) To turn off reverse DNS lookups, add UseDNS 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 GSSAPIAuthentication no to /etc/ssh/ssh\_config or ~/.ssh/config (that's on the client side).

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

Q) How do you create a daemon in unix using shell script?

Q) How do you troubleshoot a issue in production? How do you fix it?

Q) 6 Stages of Linux Boot Process (Startup Sequence)

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

## Wipro:

### Interview Experience:

First Round happened for around one hour. In that Interviewer covered Jenkins, Maven, Git, Chef, EC2. Mostly he covered internals of Jenkins and Chef.

#### Jenkins

- Can you tell the process how to configure Build?
- In one job I need to build 10 applications within same server. How can you do it?
- How can you achieve email notification with attachment in Jenkins?
- 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.
- How can you take Backup of Jobs?
- Poll SCM scenario questions
- He interlinked Jenkins with Chef and asked some questions.
- He asked nearly 20 to 30 questions. Out of these questions most of them are scenario based questions and some are basic questions.

#### Chef

- Why we use Chef?
- What is difference between Cookbook and recipes?
- How to provide security to chef Hosted Server?
- 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?
- How to check certificates in chef like we do in puppet?
- We had to install an application in 100 nodes. If application fails to install in 2nd node, what happens to other nodes?
- How to download dependencies of other cookbooks? What is testkitchen?
- Some scenario based questions

#### Git

- What is Git Stash?
- How to get back changes after Git Stash?
- Branching strategy Scenario based questions
- Git Stages and flow
- Difference between Git clone and Git Pull

Finally he asked me any questions. So, I asked what kind of technologies and work will be in your company?

He told he needs experienced people. (He given irrelevant answer ☹ ).

\*\*\*\*\*

Q: situational questions like "what was one latest issue which you encountered in your current job. how did you resolve the issue. what tools did you use to resolve it"

Q: "what was the most critical/major issue you encountered and how did you resolve it"

Also,

Q: can we have a practical session using all the major tools (chef/puppet/jenkins/docker) that are discussed...simulating a real-time project

\*\*\*\*\*

Accenture

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 I know the content) ?
2. How to find a port that is enable or not?

\*\*\*\*\*