1) What is packer? : A tool for creating golden images for VM

2) What is Golden Image? : Base image + required software.

3) What is need of packer? -> Avoiding manual effort.

4) Packer written in which language? -> in Go language

5) What is Go language? It’s advantage.

6) What is PKI; why Amazon uses PKI?(it’s most secure method of authentication)

7) Packer architecture? Variable -> Builder -> provisioner

8) What various component of packer do?

9) Packer json file for AMI creation?

10) Packer command various opinion?(Build, fix, inspect, version, validate and console)

11) What is image? – Reusable component of software.

12) Where we can use packer?-> for golden image creation (or) Autoscalling.

13) CMO full form vs FMO full form and what are they?

14) Explain Packer as IAAS?

15) Advantage of Packer? Super-fast infrastructure deployment

16) What is AMI ID?

17) What is secure key and access key? – These are used as username and password for accessing AWS by CLI.

18) what is variable? – Providing value in run time.

19) what is post processor? – it converts output like packer to docker.

20) Packer installation step?(download from site, run install.sh)

21) Immutable infrastructure?

22) What is cloud? Why we need cloud?(High availability, on demand infrastructure)

23) What is ssh-keygen

24) What is Ip address; ipv4 vs IPv6?

25) Difference between FMO(immutable) and CMO(troubleshoot)

26) Go hello program? package main import "fmt" func main() { fmt.Println("Hello, world!")

**fmt**" is a package that provides I/O functions like Println (you can import it with import "**fmt**" ).

27) Packer command to build infrastructure.? Packer build packer.json

28) AWS CLI- for performing action from backend.

29) What is access Key, and secrete key? Access Keys are used to sign the requests you send to Amazon S3. Like the Username/Password pair you use to access your AWS Management Console, Access Key Id and Secret Access Key are used for programmatic (API) access to AWS services.

30) How we can generate access and secrete key? // Once we create user, by default we get them.

Access Key- AKIA3QYLLWU47BWBVE5M Secrete key- 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

Aws configure- This command is used to configure amazon CLI, you need to provide secrete key, access key, availability zone, and output formate.

31) [root@ip-172-31-32-231 aws]# aws s3 ls

2020-03-11 03:51:15 umeshlbg

32)[root@ip-172-31-32-231 aws]# aws --version

aws-cli/2.0.3 Python/3.7.3 Linux/4.18.0-80.4.2.el8\_0.x86\_64 botocore/2.0.0dev7

33) [root@ip-172-31-32-231 packer]# ./packer --version

1.5.4

34) Packer build file?

{

"variables":{

"secret" :"",

"access" : "",

"region" : "us-west-2",

"ami\_name": "apache-from-packer"

},

"builders": [

{

"type": "amazon-ebs",

"access\_key": "{{user `access`}}",

"secret\_key": "{{user `secret`}}",

"region": "{{user `region`}}",

"source\_ami": "ami-f2d3638a",

"instance\_type": "t2.micro",

"ssh\_username": "ec2-user",

"ami\_name": "{{user `ami\_name`}}"

}

],

"provisioners":[

{

"type": "shell",

"inline": [

"sudo yum install httpd -y",

"sudo service httpd start",

"sudo chkconfig httpd on"]

}

]

}

35) What is Json?

**JSON** (JavaScript Object Notation) is a lightweight data-interchange format. It is easy for humans to read and write. It is easy for machines to parse and generate. It is based on a subset of the JavaScript Programming Language.

36) Command line value pass?

command line argument -var argument1 value1 -var argumnet2 value2

Packer build build.json -var argument1 value1 -var argumnet2 value2

36) Who is owner of Packer? -> Hashicorp