40 Latest Cloud Computing Interview Questions – Test Your Skills for 2019

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1. Best Cloud Computing Interview Questions

Stressed about Cloud Computing Interview? Want to prepare advanced and latest Cloud computing interview questions and answers? Here, we will help you to prepare your self with this best Cloud computing interview questions specially designed for 2019 Cloud interviews.

These mostly asked cloud computing interview questions are designed by experts for beginners to professionals. But before you will take this set of interview questions of Cloud computing, **let's check its tutorials**.

So, let's explore the frequently asked Cloud computing interview questions with answers.

Latest Cloud Computing Interview Questions for 2019

2. Top Cloud Computing Interview Questions and Answer for Beginners

Let's discuss some basic *Cloud Computing Interview Questions and Answers* for beginners or freshers:

Q.1 Explain Cloud.

Ans. A cloud is a collaboration of networks, hardware, services, storage, and interfaces that help in delivering computing as a service. It has three users:

- End users
- Business management users
- Cloud service provider

Q.2 What is cloud computing?

Ans. **Cloud computing** is a technology which works with the help of internet. It is the next stage technology that uses the clouds to provide the services whenever and wherever the user needs it. With the help of it, people can access several servers worldwide.

Q.3 Explain the key benefits of cloud computing?

Ans. The key **benefits of cloud computing** are:

- Data backup and storage of data.
- Powerful server capabilities.
- Incremented productivity.
- Very cost effective and time-saving.
- Software as Service known as SaaS.

Q.4 Which are the different layers that define cloud architecture?

Ans. Below mentioned are the different layers that are used by cloud architecture:

- Cluster Controller
- SC or Storage Controller
- NC or Node Controller
- CLC or Cloud Controller
- Walrus

Q.5 Explain Cloud Service Models?

Ans. There are three types of Cloud Service Models:

- **Infrastructure as a service (IaaS)**
- Platform as a service (PaaS)
- Software as a service (SaaS)

Q.6 What are the different data types used in cloud computing?

Ans. There is an ample amount of data type in cloud computing. They are emails,

contracts, images, blogs etc. As we know that data is increasing day by day so it is needed for new data types to store these new data. For an instance, if a person wants to store video then you need a new data type.

Q.7 What are the common storage of PaaS architecture?

Ans. *Cloud Controller:*

- Automatically creates the virtual machines and containers.
- Deploys applications
- Connects to services
- Automatically scales ups and downs

Storage Services:

- Object
- NoSQL
- Relational
- Block Storage

Applications store state in storage services:

- Simple to scale applications
- Easier recovery from failure.

Q.8 What is a Private cloud?

Ans. <u>Private cloud</u> is limited to only a few users and provides maximum security. It is fully operational and can be owned, utilized, operated, and restricted to an only limited organization. Many organizations are preferring private cloud as the security is enhanced in it.

Q.9 What is a Public cloud?

Ans. The **<u>public cloud</u>** is used among many people and it can be used for deployment. The major focus of the public cloud is the application, infrastructure, and providing platforms to various markets.

Q.10 What are Hybrid clouds?

Ans. <u>Hybrid clouds</u> are made up of both public clouds and private clouds. It is preferred over both the clouds because it applies the most robust approach to implement cloud architecture. The hybrid cloud has features and performance of both private and public cloud. It has an important feature where the cloud can be created by an organization and the control of it can be given to some other organization.

3. Advanced Cloud Computing Interview Questions

These are the set of advanced Cloud Computing Interview Questions and answers:

Q.11 What are the platforms which are used for large-scale cloud computing?

Ans. Below mentioned is the platform used for large-scale cloud computing-

- **Apache Hadoop**
- **MapReduce**

Q.12 What are the different types of models used for deployment in Cloud Computing?

Ans. The different deployment models in cloud computing are

- Private Cloud
- Public Cloud
- **Community Cloud**
- Hybrid Cloud

Q.13 Explain Software as a Service (SaaS)?

Ans. Software as a Service (SaaS) is an important part of cloud computing. It provides cloud applications like Google is doing. It facilitates users to save their document on the cloud and create as well.

Q.14 Explain Platform as a Service (Paas)?

Ans. It is also a layer in cloud architecture. **Platform as a Service** is responsible to provide complete virtualization of the infrastructure layer, make it look like a single server and invisible for the outside world.

Q.15 What is the difference in cloud computing and Mobile Cloud computing?

Ans. Mobile cloud computing and cloud computing has the same concept. The cloud computing becomes active when switched from the mobile. Moreover, most of the tasks can be performed with the help of mobile. These applications run on the mobile server and provide rights to the user to access and manage storage.

Q.16 What are the security aspects provided with the cloud?

Ans. There are 3 types of **Cloud Computing Security**:

- **Identity Management:** It authorizes the application services.

- **Access Control:** The user needs permission so that they can control the access of another user who is entering into the cloud environment.
- **Authentication and Authorization:** Allows only the authorized and authenticated the user only to access the data and applications

Q.17 What are system integrators in Cloud Computing?

Ans. The system integrator provides the strategy of the complicated process used to design a cloud platform. The integrator provides information about the data centre creation. Integrator allows creating more accurate hybrid and private cloud network, as integrators have all the knowledge about the data centre creation.

Q.18 What is "EUCALYPTUS" stands for?

Ans. "EUCALYPTUS" is Elastic Utility **Computing Architecture** which is used for linking the Programs to Useful Systems"

Q.19 Explain what is the use of "EUCALYPTUS" in cloud computing?

Ans. EUCALYPTUS has an open source software infrastructure in cloud computing. It is used to add clusters in cloud computing platform. With the help of EUCALYPTUS public, private, and hybrid cloud can be built. It can produce it's own data centres. Moreover, it can allow you to use its functionality to many other organizations.

Q.20 What is the requirement of the virtualization platform in implementing cloud?

Ans. Below mentioned are the requirements of a **virtualization** platform in implementing cloud.

- Manage the service level policies.
- A Cloud Operating System.
- Virtualization platforms help to keep the backend level and user level concepts different from each other.

4. Cloud Computing Interview Questions for Expert

The set of Cloud computing interview questions will help you to brush up your knowledge:

Q.21 Name some open source cloud computing platform databases?

Ans. Examples of open source cloud computing platform database are **MongoDB**, CouchDB, LucidDB.

Q.22 What are the examples of large cloud provider and databases?

Ans. These are some **Cloud providers**:

- Google BigTable
- Amazon SimpleDB
- Cloud-based SQL

Q.23 What are the different modes in Software as a Service (SaaS)?

Ans. This is SaaS modes:

- **Simple Multi-tenancy-** In this mode, the user is different from the other user and has an independent resource. It is one of the efficient modes.
- **Fine grain multi-tenancy-** The resources can be shared by many users, however, the functionality remains the same.

Q.24 Why API's is used in cloud services?

Ans. API is used in cloud platform because-

- It provides ease where the user doesn't need to write the fully fledged program.
- It helps to make communication between one or more applications.
- Creates applications which further link the cloud services with other systems.

Q.25 Before going for cloud computing platform what are the essential things to be taken in concern by users?

Ans. Following are the essential things, which can be taken in concern:

- Compliance
- Loss of data
- **Data storage**
- Business continuity
- Uptime
- Data integrity in cloud computing

Q.26 What are the different datacenter's deployments of cloud computing?

Ans. Cloud computing consists of different datacenters and they are mentioned below

- **Containerized datacenters –** Containerized data centres are the packages that contain a consistent set of servers, network components, and storage delivered to large warehouse kind of facilities. Here, each deployment is relatively unique.
- **Low-density datacenters –** A data centre which is containerized can cause heavy density, which in turn causes much heat and many engineering troubles. Low-density datacentres are the solution to this problem.

Q.27 What is the use of API in cloud services?

Ans. Below mentioned are the uses of Application Programming Interface in cloud platforms

- It eliminates the workload to write the fully fledged programs.
- It also provides an easy way to create applications and links the cloud services with other systems.

Q.28 What are the characteristics of cloud architecture that separates it from the traditional one?

Ans. The characteristics that make cloud architecture above traditional architecture is

- The cloud architecture provides the **hardware** requirement.
- The architecture is able to scale the resource on demand.
- Cloud architecture can easily manage and handle dynamic workloads without failure.

Q.29 What are the distinctive attributes of Cloud Computing?

Ans. Utility form of delivery, elasticity, low barrier to entry. These attributes modification how applications are created, priced and delivered.

Q.30 Does Cloud computing presents new opportunities for users and developers?

Ans. Yes, because it is based on the paradigm of a shared multi-tenant utility.

5. Tricky Cloud Computing Interview Questions

A set of tricky interview Questions for Cloud computing, tell you how to answer for the tricky questions:

Q.31 Name the applications that work with cloud computing that have low margins and usually low risk:

Ans. The Low touch applications have low margins and usually low risk, because of the "high touch" applications that associate with high margins require committed resources and cause additional of a risk.

Q.32 A service that concentrates on hardware follows the abduction as a Service model.

Ans. Infrastructure as a service.

Amazon web service follows a PaaS model.

Q. 33 When you add a software stack, like an operating system and applications to the service, the model shifts to 1 / 4 model.

Ans. Software as a service. This is often because Microsoft's Windows Azure Platform is best represented as presently using a SaaS model.

Q.34 Name the foremost refined and restrictive service model?

Ans. The most refined and restrictive service model is PaaS. Once the service requires the consumer to use an entire hardware/software/application stack, it is using the foremost refined and restrictive service model.

Q.35 To what is, a pay-as-you-go model matches resources to need on an ongoing basis.

Ans. Utility. This eliminates waste and has the additional advantage of shifting risk from the consumer.

Q.36 You utilize feature permits you to optimize your system and capture all possible transactions.

Ans. Elasticity. You have the ability to modify the resources as required.

Q.37 Name all the kind of virtualization is also characteristic of cloud computing?

Ans. Storage, Application, CPU. To modify these characteristics, resources should be extremely configurable and versatile.

Q.38 Name the computer code which will be used to implement load balancing?

Ans. Apache mod_proxy_balancer. Load balancing is often used to increase utilization and output, lower latency, cut back response time, and avoid system overload.

Q.39 An active is a combination load balancer and application server that's a server placed between a firewall or router.

Ans. Application Delivery Controller (ADC) is assigned a virtual IP address (VIP) that it maps to a pool of servers supported application-specific criteria.

Q.40 State the list of a need of virtualization platform in implementing cloud?

Ans. The need of virtualization platform in implementing cloud is to manage the service level policies, cloud operating system, and virtualization platforms help to stay the backend level and user level ideas totally different from one another.

So, this was all about **Cloud computing** interview questions and answers. Hope, it will help you.

Stay connected with us, we are coming up **a new set of Cloud Computing Questions**, which will also, help you to crack the interview.