

Q-1

Open Source IaaS Software

- Infrastructure as a service is service model where an organization out sources the resource used to support storage. Hardware, servers and networking components

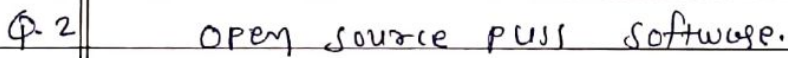
- Open stack is an open source cloud computing project to provide an infrastructure it as services. This integration is facilitated through public APIs that each source offers

- Open stack controls large pool of compute, storage and networking resource through a dashboard this gives administrators control while empowering their users to provision resource through a web interface it delivers a massively cloud operating system

The technology consists of a services of compute project that controls pool of processing storage and networking resource through a data center all managed through a dashboard layer gives admins control while common it's used to provision resource through web interface

Nova (Compute)

Nova is a project of open stack that facilitates a way for provisioning compute instances. Nova support building bare-metal, virtual machine. It has narrow support for various system containers.



1)

platform as a service is a category of cloud computing services which offers a way to support the life cycle of delivery web application services via the cloud

or (previously known doubtful origin) is a pay
competing platform of services on line form

It is an application platform whose application developers and others can build, deploy and run their applications & management so that developers can focus on their app.

AZK enables you to create, deploy and manage application within the cloud. It provides disk space and the it provide or faster Java.

It provides support for a wide variety of language and no vendor lock-in. Including Java, C++, Ruby, PHP, Python, Perl, MongoDB, MySQL & PostgreSQL.

OxO Architecture

Routing Layer

Developer

SCM
GIT / Github

Modules

API / Action

Database

node

node

node

persistent
storage

CI /

CD

node

node

node

schedule

existing

Automation

Jenkins
Routine App

Tool / sets

Red Hat
Enterprise
Linux

Operation

Source Layer

physical virtual private public

Q3 open source SaaS software

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SaaS is a distribution model where a third party is trusted with the responsibility of hosting application and make them available for customers with the help.

- clouding is an open source cloud cookery alloy framework. it helps in the customer of entire lifecycle of an application clouding enables user to deploy the Application in two ways

1) BY optimize for cost only

2) BY optimizing for the clouding sumble

Application configure use defined through blue points that are developing on jax DSL configuration like, these blue point application life cycle

- features

- local Blue points
- it governance & security
- Blue printing modeling
- reset & orchestration
- Built mode types

Q-5 open source cloud Computing simulator software.

- cloudsim -> cloudsim is a new, highly generalized and extensible Java based simulation Toolkit and it actually provides as software framework

if supports servers are functionalities like clustering & processing of communication of cloud entities communication amongst components and the management of the simulation tasks.

This toolkit enables seamless modeling simulation and experimentation in cloud Computing use application.

This toolkit enables seamless modeling experimentation of Computers.

Feature:

- supports clouding simulation of large scale cloud Computing data center.
- support modeling and simulation of virtualized server host, along with customisable virtual machines
- supports the creation of various duty cycles network to policying resource possible application.

Q-6

open source Distributed system software

The Apache software project develop open source software for reliable scalable distributed computing.

- The Apache software library is a framework that allows for distributed processing of large data sets across clusters of computers using simple programming model.

it is designed to scale from single service thousand of machine offering load balancing & storage rather than rely on hardware to deliver with activities the library it self is designed to detect and handle failure at the application layer so delivering high available services on the top of a class net of computers each of which may be prone to failure.

- Hadoop map reduce a YARN based parallel processing of large data set.

- Hadoop : An object store for Hadoop