

Assignment - IV

Q-1

Open Source IAAS Software.

Infrastructure as a Service (IaaS) is a service model where an organization outsources the equipment used to support storage, hardware, security and networking components.

In other open Stack is an open source cloud computing project to provide an infrastructure as a service (IaaS) this integration is facilitated through public APIs that each source offers.

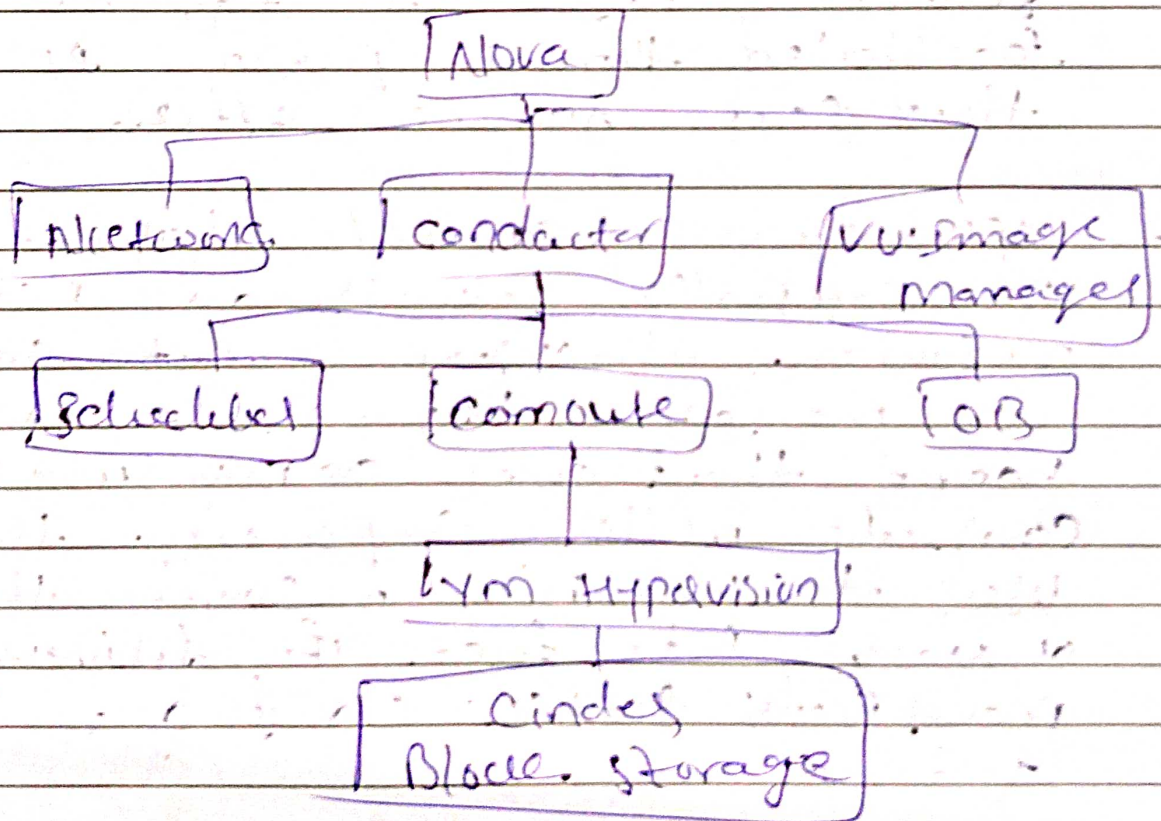
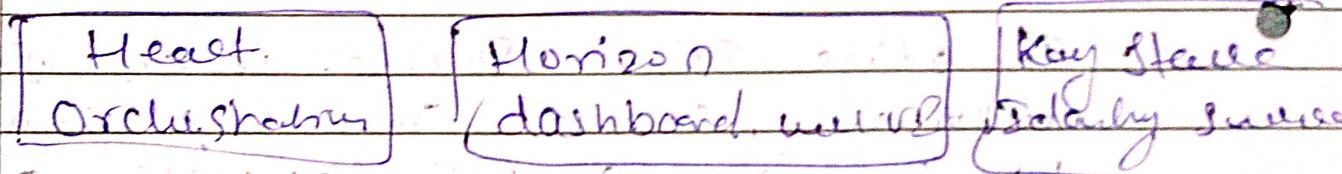
- open Stack controller. Large pool of compute, storage and networking resources through a data center, all managed through a dashboard that gives administrative control while empowering their users to provision resources through a web interface. It delivers a massively scalable cloud operating system.

- The technology consists of a service of connected project that controls pool of processing, storage and networking resources throughout

compute and networking resources.
OpenStack admin controls while managing
its users, to provision resources
through a web interface.

OpenStack

main service & components



Q-2

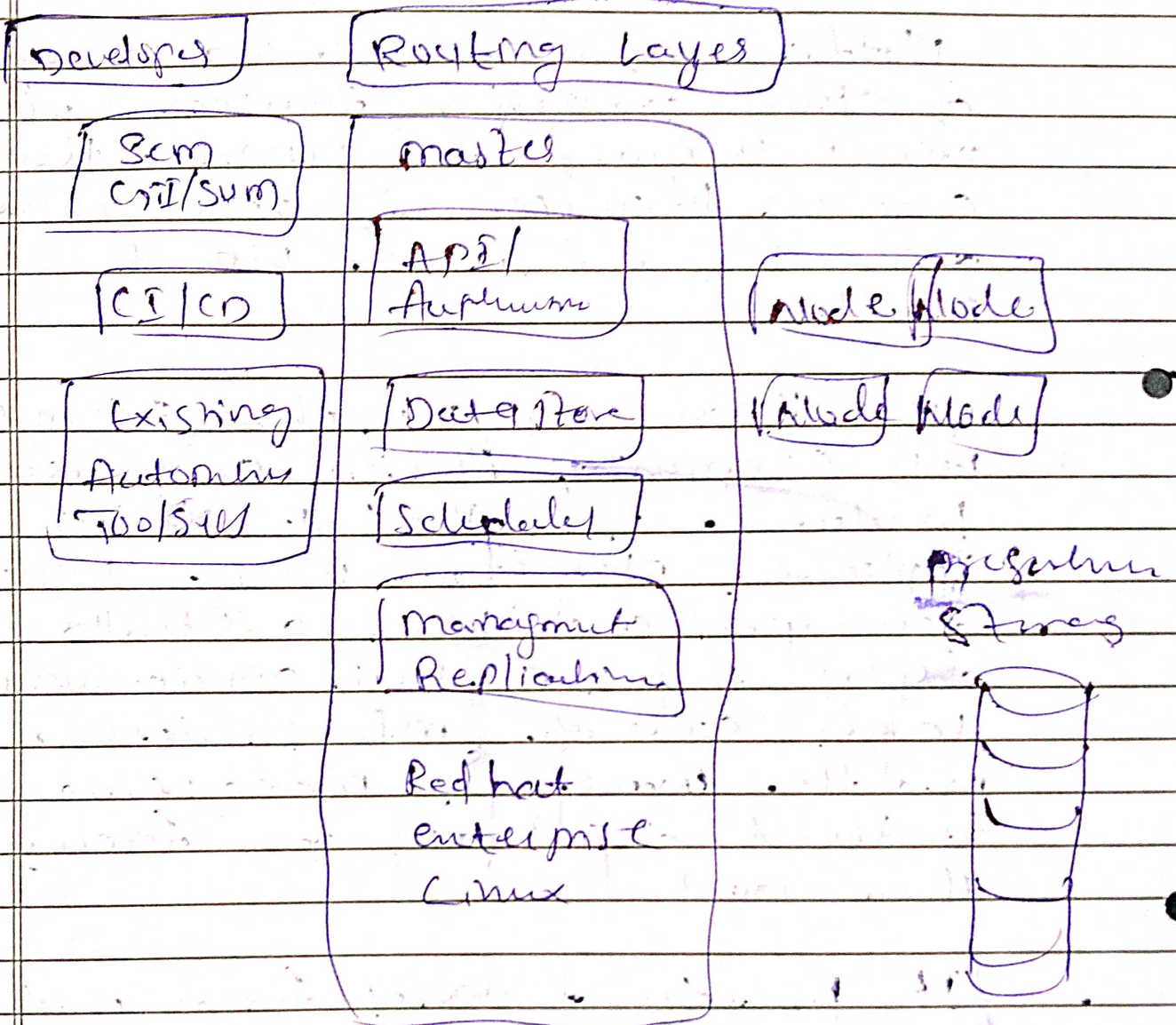
Open Source PaaS Software.

Platform as a Service is a category of cloud computing services which offers a way to support the complete lifecycle of delivering web applications & services via the cloud.

One known example of open shift origin is PaaS. PaaS is a cloud computing Platform as a Service product from Red Hat, it is an application platform where application developers and teams can build, test, deploy and run their application. PaaS takes care of infrastructure, middle ware & management so that developers can focus on their app.

It provides support for a wide variety of languages, frameworks and dot languages. Includes Java, etc, Ruby, PHP, Python, Perl, etc.

OKD Architecture



Q-3

Open Sources SaaS Software-

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 of internet.

Cloudify is an open source cloud orchestration framework. It helps in the automation of the entire lifecycle of an application, cloud deploy enables users to deploy the application in two ways.

(1) By opting for IaaS only

(2) By opting for the Cloudify manager

Application configuration can define through blueprints that are developed in YAML DSL configuration files. These blueprints have complex information regarding the application's life cycle, starting from installation to its monitoring.