Regnoil9BCS0012

Mame: Mithish.G

Course : Cloud computing

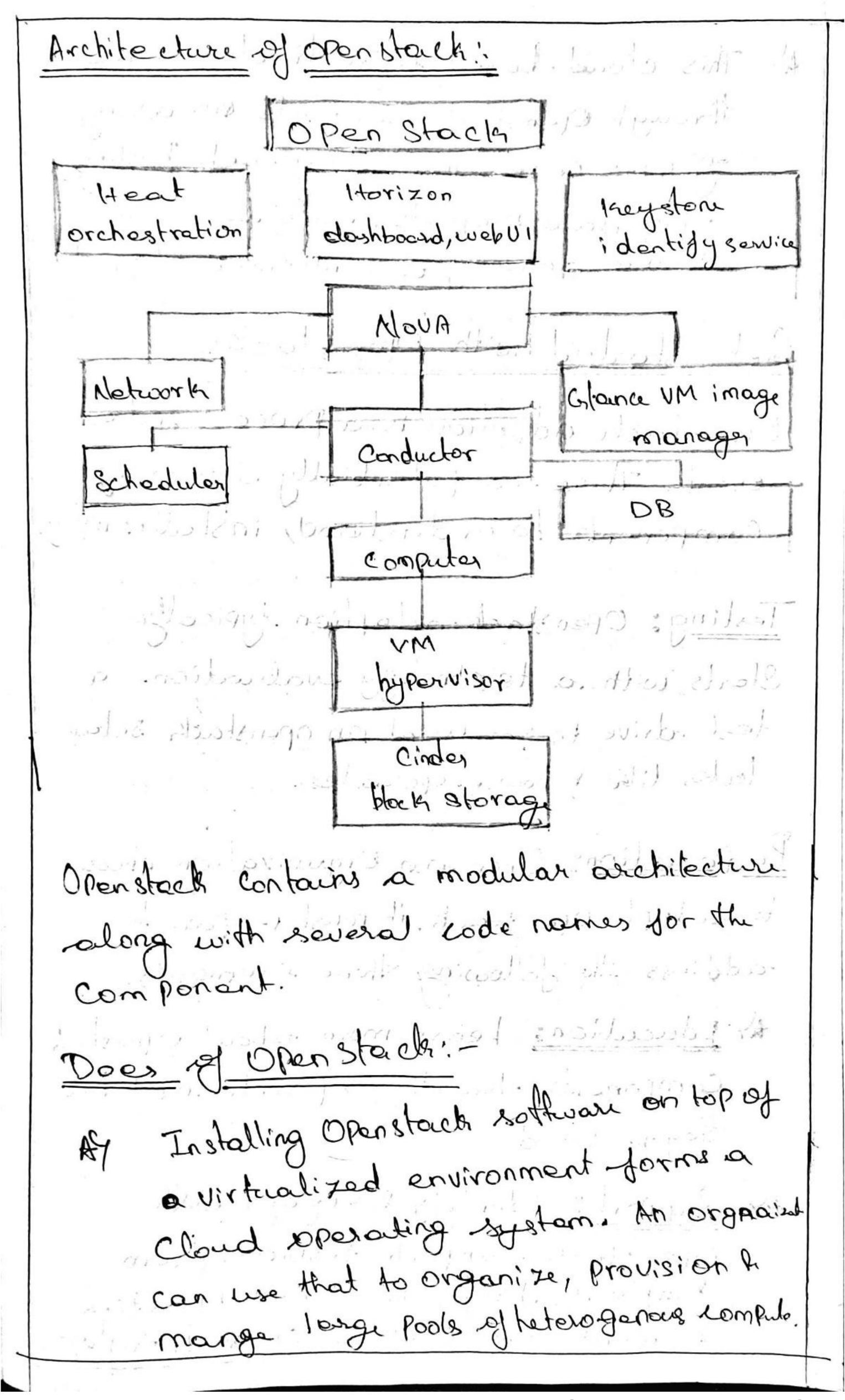
Title -> OpenStack Code: Csc1014

Open stack !- !

Open stack is à free, open standard cloud computing Platform. It is mostly deployed as infrastructure - as-a-service (1995) is both public & Privade clouds when Virtual servers & other resource made available to users.

The Softwar Platform Consists of internelated, components that control diverse, multi-vendor hordware Pools of processing, storage & networking. resources throughout a data center.

Open stack began in 2010 ray a joint Project of Rackspac Hosting & MASA As of 2012, it was managed by the Open Stack Foundation.



through OpenStack supports on away

ef uses cases, including web hosting

big data projects, sorterar-as-a

Service delivery or container deployments

Get Storted with Openstach:-

Open Stack adoption is a process, not an event. There are potentially dozens of Components to undustound, install kemploy.

Testing: Open stack adoption typically Starts with a technology evaluation. - a test drive to see what an open stack setup looks like & how it operates.

Preparation: Once an Organization choose to adopt open stack, it must prepare to address the following three elements.

- Education: Learn more about openshed Components how they operate and how they re used.
- Support: Identify & engage with Open Stack supports Services. from Simply finding online Communications to identifying competent Openstack employers.

Intrastructure: Identify the hardware Intrastructure to initially deploy openstack. Which may require Procurement & installation.

Deployment:

At Organization should consider starting with limited. Proof-of-concept Openstack Projects.

Starter hit focuses or just five Components: Mova (compute), (clance (um image), keystone (identity managenest)

Mentron (notworking) and placement (resource usage & tacking.)

Expansion;

At As an Organization gains expertise in the Open Stack environment, it may want to expand its open stack deployment through additional Components.

Af it is highly unlikely that every business use Coux will need every available component; so organization Can relect components.

Pros & Cons of Open Stack:

Dros:

- Affordable & Open Stack is ownilable freely as open bance software released under the Apache 2.0 license. This means there is no up front cost to acquire & used Open Stack
- At Reliable: With ralmost a decade of development & ux, Openstach provides a Comprehensive & proven production ready modular plantform upon which an enterprise can build & operate a Private on public Cloud.
- Vendor-neutralis-Because of open Stacks
 Open source nature, some Organization
 ralso see it as a way to avoid vendor
 locks-in as an overal Platform es
 well out its individual component
 fenexions

Some drawborchs: -

Open stack requires an 17 staff with significiant unowledge to deploy the platform and make it work.

In some case an organization might require additional staff or a consulting dirm to deploy open stack, which adds time a cost.

Support: As open source Softwar. Operstact in not owned or directed by any one Vendor or team. This can make it difficult to obtain support for the technology, beyond the open source community.

Ar Consistency: The Openstack Component Suit is alway in flux as new Components are added & other are deprecated.