Practical - 3

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Subject : Cloud Computing

Aim : To study open source cloud platform Openstack.

Theory :

Openstack :

Openstack is a cloud operating system that controls large parts of compute storage and networking, resource throughout a data centre all managed and provisioned through API's with common authentication mechanism.

Beyond standard infrastructure as - a - service functionality additional components provide orchestration fault mangement and service management amongst other service to ensure high availability of the application.

Openstack Landscape:

Openstack is broken up into service to allow you plug and play components depending on your needs. Then openstack gives you an 'at a glance' view of Openstack landscape to see where those lies.

How does it work?

Openstack is essentially a series of commands known as scripts. Those scripts are bundled into packages called projects that replay task that create cloud environment.

Openstack relies on 2 other types of software:

① Virtualization that creates a layer of virtual resources abstracted from hardware.

② A base operating system (OS) that carries out commands given by openstack scripts.

Conclusion:
Hence, we have successfully studied open source platform openstack.