NAME 2 AMAN DEV CHAMDANG LOLL 2 07 MCA 03 CLOUD COMPUTING ASSIGNMENT-3 Open Source JAAS Software Intrastancture as a Segvice is a Segvice model Where on Organization OUT Source
the equipment used to support Storage,
Hardware, Server and networthing Component. Open Stack is on Open Soughe Cloud Computing
Peroject to Parvide on Infrastaucture of a Service Class) This etagention is facilitated through Public API's that each source office Open stack Control large Pool of Compute, Storage and networking resource theoretout a data Center, all managed through a dash broad their gives administration Control while empowering their users to terrision resource through a web interface if delivers a magnively scable cloud Oferating System

The technology Consist of a Service of Connected projects that controls Pool of Perocessing, Storage and networking Diesovareg throughout a date Conten All Managed through a dashboard that gives adming Contou) while empowering its uses to Parayasion presource through a meb interface. OPEN STOCK main Scarice & Conformat HFRT. DASHBOARD, WEDU DENTITY Supre ORCHE STATION MOVA NETWORK CONDUCTOR GLANCE, VM I MAGE MANAGER SCHEDULER COMPUTER! VM HYPERVISION (INDEX) BLOCK STORAGE

Open Source Pags Software Plat born as a scrice is a Category of cloud Computing scarices which offen of way to support the Computer lifecycle of delivery web application & Services Via Oto Chreviously known ay Openhift Origin)
is a Pass Computing Platefrom as a Service
Product from one hat. It is an
application Platform whose application developery and team Con build, test, deploy, and non their applications oks takes Core of infrastoucture, middle vou & Mongement so that developery on focus on lein app. OKD enables you to carate, doplay and manage application within the could. It provides dank space CPU substices, memosing, network Cornectivity and on Apache on Those Seeves.

Defending on the type of application being deployed a template file System layout is Powvided DKD also generates a limited DNS So your application is accessed online It Provides Support for a wide same Wasiety of longuage owntimes and dot layer Including Java. Ecc., Ruby, Pup, Python, Pers, Mongods, 1945al, 6 Postgresql.

OKD Anchitecture Rowing byen Developer MASTER ANTHENTICATION Scm Pensistent MORE MODE MODE GIT/SUM Storage DATASTORE NoDE Mode Made 1 C/100 1 SCHEDULER Existing Astonation MANGACEMIEN I Teclores REPUGATION Redhat OPeration Enterprise Lenus Sounce layer Physical Visitual Parinate Public

Open Source Sags Software Say & a distailbution madel where in third Porty & tourted with the responsibility or hosting application and nake then grailable for Customers with the help of Enternel Cloudily is on Open Sounce cloud suchestantian Grangwork. If help in the customation of the entire liberycle of an oppliation, doudity enables were to deploy the application To two ways 1) By spring box CLI Doly 2) By oppny for the cloudity Mongey Application Configuration are defined through blue Pornt that one developed on Jame DCL Configuration files. These bluepaint have Complete information organize the application life cycle Starting from Inetallation to & Monitoning Features - Local Blue Print -> JT GOVERNANCE (SECURITY

- Bluepinky Modeling -> Tosa Onchestration -> Builton note types O' Open Source doud Somulator Software -s cloud Sion cloud 8 ion 95 a rew, highly generalized and extensible Java basel simulation Toolkit and is actually oregard as Software grone coogh. It Support Several Cole junctionalities like Duerry of Events, the Corection of Cloud Ston entitles , Communication among Components and the management of the Simulation dock Cloudsion has been developed by the cloudy laborertory of the Computer Science (Software engineering department of the University of This toolkit enables Seanless Modeling, simulation and experiment in cloud computing and application Service

	Peatures
>	Suprose Modelly and Simulation of large Scale, Cloud Compoting data Century
	Support Maldery on Simulation of Viertuslije Server hoste, along with Customisable Pollicies for Porovision airy host organicy to Viertual machiner Support dynamic indusion of Cimulation events discontinuous
	USER CODE
	Specification Clark Use Application Specification Scenario Reg Configuration
	Schooling Policy Use on detabase Center Breaken

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Opensource Distributed System Sythware The Apache Hadeop Paroject develop Ofen Source Software for adiable, Sealebr, distanted Computing. The Apache Hadoop Software library is a franctionic that allows for cliebrished Beoccing of large date sets across Cluster by Computer very simple Broggaming Madel It is disigned to scale of from Single Server to thought of markine early offering local computation of storage rather than selly on lardware to deliver high availability, the library thell is designed to detect and handle failure at the application layer so detrocy highly available service on top of a clayter Powne to Gilway which may be Hadoop Common : The Common Utities that support the other hadoop modules Redoop Dictailbuted file System = HDFS is a.

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