	Page No. :
	Date :
. \$	Open Source JAAS Software
$\rightarrow$	Infrastructure as a service is a service model
	whose an organization outsources the equipment used
· · · · · · · · · · · · · · · · · · ·	to support storage, hordinares, sowers, and
	retuenting components.
	Open stock is an open source down computing project
	to provide an Infrastructure as a Service (IaaS).
	This integration is facilitated through public API's that each source offers.
	that esch source oppers.
	Open stack controls large pool of compute, storage
	and returnking resources throughout a data center,
	all monaged through a dosplosard. This gives
- 1	administrators control while engrowering their usas to pesseision responses theory a neel interface. It
	pesseision responses though a neel interface. It
<b>—</b>	delivers a massively scalable doud operating system.
	The technology consists of a service of connected
	perjects that controls post of processing, a storage,
	and retuseking resources the sughout a data center all manyed through a darkboard that gives
	an monger usaugh a dashoord that gives
	provision ressurces through a neels interforce.
1	
100	

	Page No.: 12
	Date :
-Λ	D C H
X	Open source PaaS software
$\rightarrow$	Platform as a Service is a cotegory of cloud
	conjuting sospices which offers a way to support
	the compute lipecycle de delivery web applications
N I	& services via the doub.
	OKD (Previously known as open shift origin) is
	a Pass Conjuting Plotporm as a service
	product from Red Hat. It is an application
	platfeorn whose administration application developers
	and teering con build, test, deply, and run
	their applications OKD takes core of
	infriostructure, milleware & management so that
	developers con pocus on their app.
	avergers can pair of
	OLD II. to the looks and income
	OKD enables you to create, deploy, and manage
	applications weither the doud It provides don't
	space, CPU resources, memory, returned connectivity.
	and an Apache of Joss se server. Depending
	on the type of application locing deployed, a
	It alto hil s at land to project (OKI) also
	generates a limited DN sa your application is
	accessible police
	It provides support for a vide variety of language
	over times and dat layers including Japa ESC,
	Ruley, PAP, Python, Perl, Mangadle, MySQL
	& PostgreSQL.

	Page No. : 13
	Date :
A	Open source Sas software
$\rightarrow$	Sagas is a distribution usdel where in third
	party is trusted with the responsibility or hosting
	party is trusted with the responsibility or hosting application and make them available pos customers with the help of internet.
	with the help of internet.
	Cloudily is an open source doud prehestestion
	Teanquesek. It helps in the automation of the entire
	lipecycle of an application. Cloudify enables were to
****	deploy the application in two ways:
	1) By opting for the doudity monager
	2) By apting for the cloudify manager
	11 1 1 1 1 1 1 1 1 1 4 1 4
	Application configuration are defined through blueprints that are developed on JAMI DSL carpinguration files.
0	There blueprists have complete information regarding the
	application libecycle starting from installation to its
	manitaring
	Features:
	·
	- Local blueprints
	- IT governonce & security
	- Bluepainting a modelling
	-TOSCA probestration
	- Built in node types

	Page No. : 14
	Date :
ø	Open source doub simulator software
$\rightarrow$	Chandsin is a new highly generalized and extensible  Java based simulation toolkit and is actually  segreded as software gramework.
	It surrosts several was buretimalities like
	de de processing of events, the creation of de desdein entities, communication among components and the monagement of the simulation dock.
	Claudsim has been developed by the clauds best the computer science & safeturare enzineering deportment of the university of mellowere.
	This toolkit enables serverless modeling, simulation and expresimentation in cloud computing and application services.
	Festures
	- Supports modeling and simulation of large scale don't computing data centers - Supports modeling and simulation als virtualised server
	hat sesurces to virtual machines
	- Supports dynamic inclusion of simulation event discontinuations

	Page No. : 15
	Date :
	-Supposet the creation of various data carter retrest topologies, nessage proseing application
*	Open source distributed systems refituesse
$\rightarrow$	The Apache Hadson project develop spen source software for reliable, scalable, distributed computing.
	estituere por reliable, estable, distributed computing
	T1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	The Apache Hadosp software liberary is a promowork that allows for distributed processing of borge data sets across customers by computers using simple programming models.
	that allows per distributed processing of large data
	sets across customers by computers using simple.
	programming models.
	It is designed to easle up from single servers to
	It is designed to scale up from single servers to thousands of machines each offering local conjutation & strage rather than soly on hardware to deliver high availability, the library itself is designed to detect
	strage rather than rely on hardwore to deliver high
	avoilability, the library itself is designed to detect
	and handle pailures at the apptienting layer, so
	delivering highly available service on top of a cluster
	and handle poilures at the applications layer, so delivering highly avoilable service on top so a cluster of computers each of which may be prome to pailure.
	Hadosp common :- The common utilities that support the other hadosp modules
	support the other hadop medules
	Hadorp distributed file system :-
	HDFS is a distributed file system that provides high throughput access to application data.

		Page No. :	
		Date :	
	Hadson YARN :-		
	A pronework for John scheduling and resource management	chister.	
	ressurce mangement		
	Hadsop rapreduce :-		
•	A VAPA/ / / + / / //		
	A YARN breed system for parallel ply large data sets	his cossing	
	the wife asis sell		
	Hadosp Ozone :-		
	7.0		
	An plejest store por Hadoop		
	. 0		
		•	
		*	