Prac-1

Date / /

Cloud Computing Architecture

Tombination of both So Ac and EDA is,

Service oriented trehitecture & Event driven Architecture & Event driven Architecture & Client infrastructure & mgt. & security, and these are the components of cloud computing architecture.

Cloud Architecture

Frontend Backend.

Internal view is given as:

(Sinternent) Frontend

Application S

R

Cervice C

Cloud Runtime R

Sockend

The prostruction Y

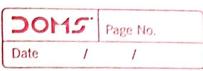
The prostruction Y

the service provider.

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	components of ce are.	of Factoria	
	1) client Infrasmeture	(Transfer	
, 1	2) Application	1	
:	3) cervice		
	4) Runtine coud		f
	1) Storage		
L) Infoastructure		
-	1) Managiment		
8		W LOVE	
9) Interes	- A	
10	Database		
11			
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# :	JAAS		
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b	ay as you got basis.		
	DAOS is one of the four types of che long of software as a serie, parto	oud son	nces
	long of ontholone as a serie plate	im as a	
oe oe	vice & server lin.		4
		in Euging	
M	igsating your organis ation is infra	to an.	Saas
1	olution helps you reduce mainta	irence	plon
	premises data center, save money	ate.	

Importance			
, I aan has orisen to prominence as enturprises have			
sought allinatives to deproying and maintaining			
their own-on grimine Intra.			
It has offered a cost effection solution to			
high cost computing equipment.			
This leaves the clustomers dients to collect, proun,			
story setrieur data			
words when the stable to the words applied			
AUS.			
-> It is the would's most comprehensive & broadly			
a dapeted cloud offering, over 200 fully featured			
pervices - Including the fastest growing startups , enterprism, fout.			
entergorism, fout.			
The state of the s			
cloud proider - from Intra technoligies all storgs,			
compute to emerging technologies such a MISAL			
U			
The state of the s			
Anciutio (aws) -> Storage			
Analytis			
Leaving Applications			

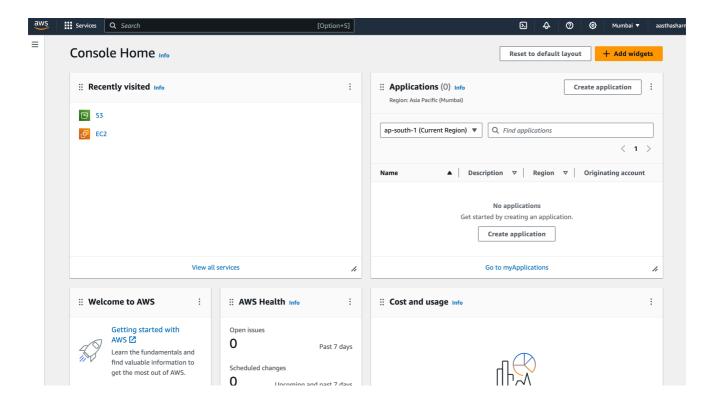
Aws pricing model is very cost effective which make lit most reciable. There is no long commitment as 5 or 10 years. sesides, there is I Awa free tier service offering upto 58 product that help user affordability and gain some emperience by the Aws playmm. Eg: companies using how arex Nettino, Coinbasi, J&J, Adobe, Airborbs Hitaclijes # Fez (Flastic cloud computing) -> It provides on demand, scalable computing capacity in the Aws cloud. Using Amazon EZZ hardware costs so you can develop + deploy applications faster. Tax can use 52 to Counch as many instances as you need. An EC2 instance to a violetal server in the Aws cloud. The instance type that you specify deturines the haraware available available to your instance. face instance offers a diff. balance of compute memory, retwork storage asources.

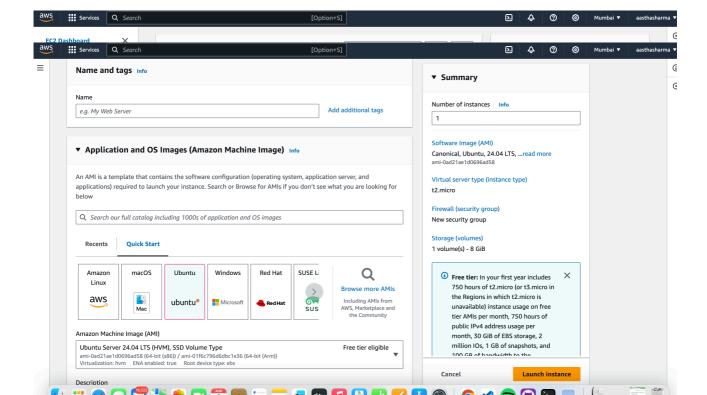


features Ed la contraction of the contraction of th
(1) Fostances - Virtual servers
(ii) Amazon Machine Inaga Imaga (Amls)
Pre configured templates for your instances that pockage
The components, you need for your server (induly
os à additional sognisais.
(iii) Instance type
Various configurations retworks, mening, storage.
graphis make up the lastance.
in keyning
Secure logis vinto for your instances. Aws stores the
buttic key & yourston the put kgg.
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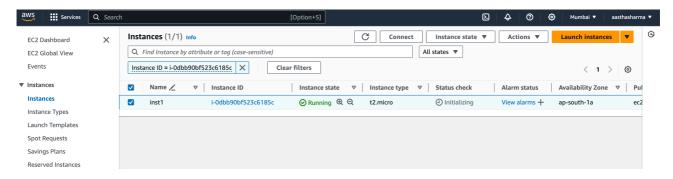
Cloud Computing Practical-1

Steps to launch an instance





Launching Server (Ubuntu)



Ubuntu command

```
ubuntu@ip-172-31-39-50:~$ LS
LS: command not found
ubuntu@ip-172-31-39-50:~$ ls
ubuntu@ip-172-31-39-50:~$ whoami
ubuntu
```

Installing python

```
E: Package 'python' has no installation candidate ubuntu@ip-172-31-39-50:~$ sudo apt install python-is-python3 Reading package lists... Done Building dependency tree... Done Reading state information... Done
```

Python commands

```
ubuntu@ip-172-31-39-50:~$ python3

Python 3.12.3 (main, Apr 10 2024, 05:33:47) [GCC 13.2.0] on linux

Type "help", "copyright", "credits" or "license" for more information.

>>> print("hello")

hello

>>> print(2+2)

4

>>> [
```