Experiment - 16

Aim: To create a sql storage service and perform a Basic Query using any cloud service provider by database as a service.

Procedure:

* Go to microsoft azure student portal
* login or create account with any of the email Id.
* Now Create a sample resource group.
* Now create a new service "SQL database and select the version
* ~~Server~~ enter the server name the name of the database "university".
* on networking server allow azure service and process to access server.
* In additional settings select simple.
* The database is begin created.
* Now Create a table with some values.
* Now try to retrive those data in SQL Queries.

Result: The SQL is created and executed

Output:-

~~Azure~~ mai

Resource group:- uday use app1group.

Status :- Running.

location :- southindia.

subscription :- azure student.

Tags :- owner : uday

Default domain :- linuxwebapp.net

app service plan :- ASP-linux.

OS :- linux.

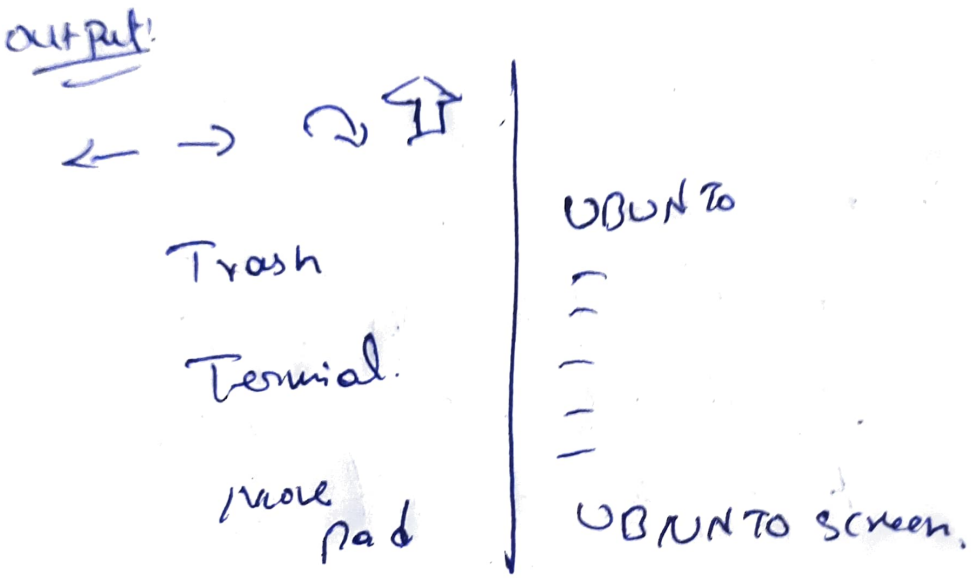
Health check :- not configured

Experiment - 17

Aim: install Hadoop 2x and configure the name node and data node

Procedure:

- make sure that have installed Java on the system if not then
  - sudo apt update
  - sudo apt install default-jdk
- download Hadoop 2x package from official web site and executed it by using.
  - cd sudo tar xz cf hadoop-xxx
  - edit Basic files (or) bash Profile Set necessary Environment - variable by
    - source /bash
- Configure Hadoop directory and modify the Configuration files.
  - cd HadOop - Home /hadoop.
  - Sudo nano hadoop - env.sh.
  - Sudo nano core - site xml.
- add configration inside.
  - HDFC site : xml.
  - cd ~ Home .ssh : id-sa Pub > ~Home .ssh/ authorizes


output
Trash
Terminal
Mouse pad
UBUNTO
UBUNTO screen.

=) click if SSH work.

=) SSH local Host

I) Install Hadoop.

=) extract hadoop 2-7-2.

& Sudo tor xvzf hadoop 2-9-2 (-al Y2.

11. Create a fader "hadoop" inside 11ocal

$ sudo hw disk Puyu /hadoop.

local host / express html/
drw xx - xx - xx hduser Super group
drw xx - xx - xx hduser super form
drw xx - xx - xx hduser Supergroup
drw xx - xx - xx hduser Super group.

Result: The name node and data node is Created and executed successfully

10) Launch the hadoop 2x and perform mapReduce Program for hadoop

Aim: To create a hadoop 2x and test the map reduce Platform with hadoop.

Procedure: open termial

1. sundunt.
   Password.
2. Start dfs and map reduce site
3. cd /user/local/hadoop/hadoop 2-7.2/bin
4. start-dfs-sh.
5. start-yarn-sh.
6. SPS

=> check the hadoop through web UI

http://local host=8088.

http://local host=50070

=> local New termial.

1. cd desktop
2. mkdis input data.
3. cd input data.
4. echo Hai Hello, How are you > hello
5. Cat >> hello.txt

Cr. back bold terminal

→ hadoop fs -copy from local /home/hadoop/
input data/ hello.txt / folder / bolupes

// checking hello.txt have made using web

=) download and open eclipse by selecting
a new work space

=) add Sql file from.

-> local host : 50700 / Explorer.html

drw xs-xs-x hduser supergroup
drw xs-xs-x hduser supergroup
drw xv-xxx hduser supergroup
drw xs-xs-x hduser supergroup

Result: thus the map reduce function is
cleared odd executed successfully

Experiment - 19

Aim: To launch the hadoop 2.x and perform word program for count Problem

Procedure:

* Open termial
* Su hduser
* Password
* Start dfs and yarn.

$ cd /usr/local/hadoop/hadoop-2.6/sbin

$ start-dfs.sh

$ start-yarn-sh

$ jps

* Check hadoop in web UI

// Goto browse http://localhost:50070/

http://localhost:8088

* Open New termial

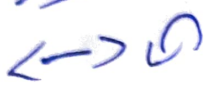
$ cd desktop

$ mkdir input data

$ cd input data

$ echo Hello How are you > hellows

Output:



Home →

Microsoft Sql database Now data:

Your deployment is complete

Go to Resource

$ cat >> hellow text.

hadoop -1 @ubantube :~ proje it shadoop/outputl
Post name

* 1
a 1
and 1
as 1
Count 1
Count 2
Count 3.
for 1
input 1
is 1
job 1
map 1
tabs 1

Result: Thus the map to reduce program and word count problem is created and successfully executed.

Experiment - 20

20. Aim: To create a SQL storage Service and Perform a Basic query using any cloud Service.

Procedure:

-> Go to Azure
-> login and Now create a sample resources.
-> Now Create new service SQL Database. and select resource Group which how-created.
-> Enter the server name the name of database.
-> on networking Select allow azure Service. and Proceed
-> In additional setting select Simple.
-> Now Create.

Output

OR/ query editor.
Query Run
create Table workerd
Result:- manual input

Result: The sql is created and successfully executed.