CLASS: MSc - 30ftware systems

SEMESTER: I Semester

SUBJECT CODE : 15 MSS E 20

SUBJECT NAME : CLOUD COMPUTINGS.

Date : 28/11/2020

fist the salient features of claud computing.

i) lesources fooling - the cloud gives a large space to use and exploit the resources

"ii) Easy maintenance - It is easy to maintain

iii) on-demand services - resources are allocated on the demand

IV) Economical - pay what you use.

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1.

what is service oriented Architecture?

SOA - service oriented Architecture

so style of software pergn where services

are provided to other components by

one provided to other components by

application component, through the metwork

communication procotol over the network.

1831055 How do you create REST-ful web service in 5) Amazon 93 Interface ?

D Expore CHET on the Apis Good resource to Les efall to American es buckers et a valler

2) Expore GET on a Holder resource to view a list of all of the Objects in an amazon 13 bucket

3) Expose Por ona folder resource add a laucket to Amazon S3.

4) Expose OHET On a Folder (Item Desource to paew or sever download an Object from the amazon 93 toucket.

2) compare bised computing with cloud computing In terms of user management and Accessibility.

Grad Computing Cloud computary D The Grad computing 1) & It follows the follows the & distributed ctient - Server architecture computing architecture 2) sca biblity is normal.

3) It is service - oriented 3) It is application oriented.

2) Scalability is trigh

- D High coa on mainternability
- 2) security sisks.
- 3) Availability Issue.

claid computing overcomes the things by provides a scalable environments to that on demand the resources are allocated, on when they are they can free up the resources that are allocated.

PART-C

1) Describe the components of Hadoop Fransevoork with a neat Sketch

As the year 3 went by ewit dater

Generation increased, tights volumes end more

British energed. Hence multiple processors across

readed to process dater to save time. However,

a single storage unit became the bothlereck

due to the netwood that was

generated. This led to wing a distributed

storage unit for each process or welich

storage unit for each process or welich

made data access easies.

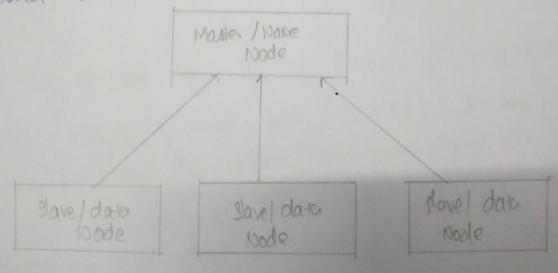
The components of Hadoop . 1831055 @ D HDFS - Hadoop divisibilited file system.

Ma is stored in a distributed manner in these there are two components of HDFS more rade and data node. while there are only one name rade attention combe multiple data nodes.

HOPE IS PECIALLY clerigned too storing ruge.
datagets in commodity houdware. Hadoop enables
you to use commodity machines er your data
nodes. However, the name node is always an
enterprice lesver.

Master and Slave Nodes 8-

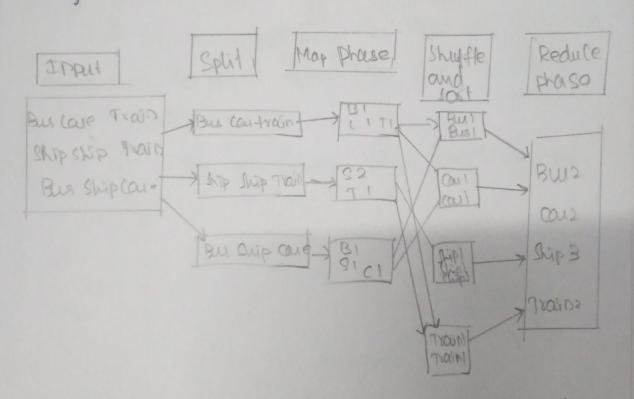
Master and Slave mode forms the HDFS cluster, the name node is called the souster and the data node called the slave node.



2) Hodoop Map Reduce

Hadoop Mapreduce is the processing unit of Hadoop. In the Mapreduce expression, the processing is done at the Blave nodes and the final result is ent to the master node.

A data containing code is used to procest the orthogodata. This coded data is usually very small in Comparison to the data Theely.



The Imputs one splitted according. Mapphane the Imput countrave counted. In third step the dotte are arranged on their clauses or similardata grouped their clauses or similardata grouped to ge then and In Reduce phase the Data is reduced according to their counts.

3) Hadoop YARD.

Resource negotrator of the doop version 2.

Distribute your acts like a os to the Hadrop. It is a file system that is built or the top of the HDFS

resources to make sure you don't overload one machine

3) It per forms tob scheduling ...

