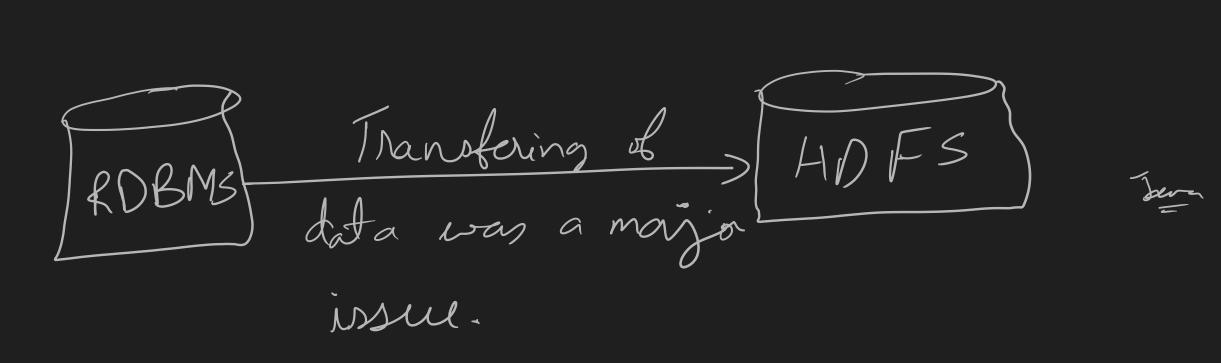


Before the existance of big data, all the data was stored in the RDBMS-(MySal, PostgraSal, Oracle...).



Apache made a tool to case up the transfer of date from RDBMS to HDFS. The tool was ramed as 58,008.

Flatures & SQDOP: -

-> Sgoot help us to connect the results from the SQL guaries to HDF5.

-> Sgroop helps to us to load the processed data directly in Hire & HBase.

-> It performs the data security operation with the help of kerbers-

-> With the help of Sqoop, we can also perform Compression of data. -> ·zip.

-> Squot is highly powerful and efficient-

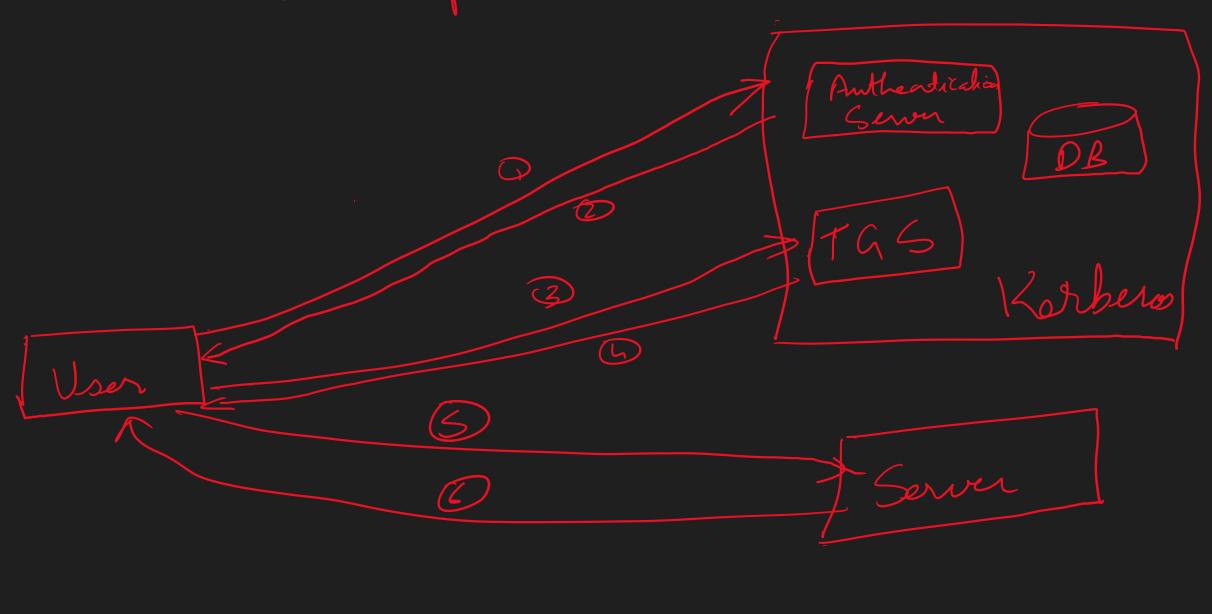
Karberos:

Central authentication server.

DKuy-distribution Center (KDC)

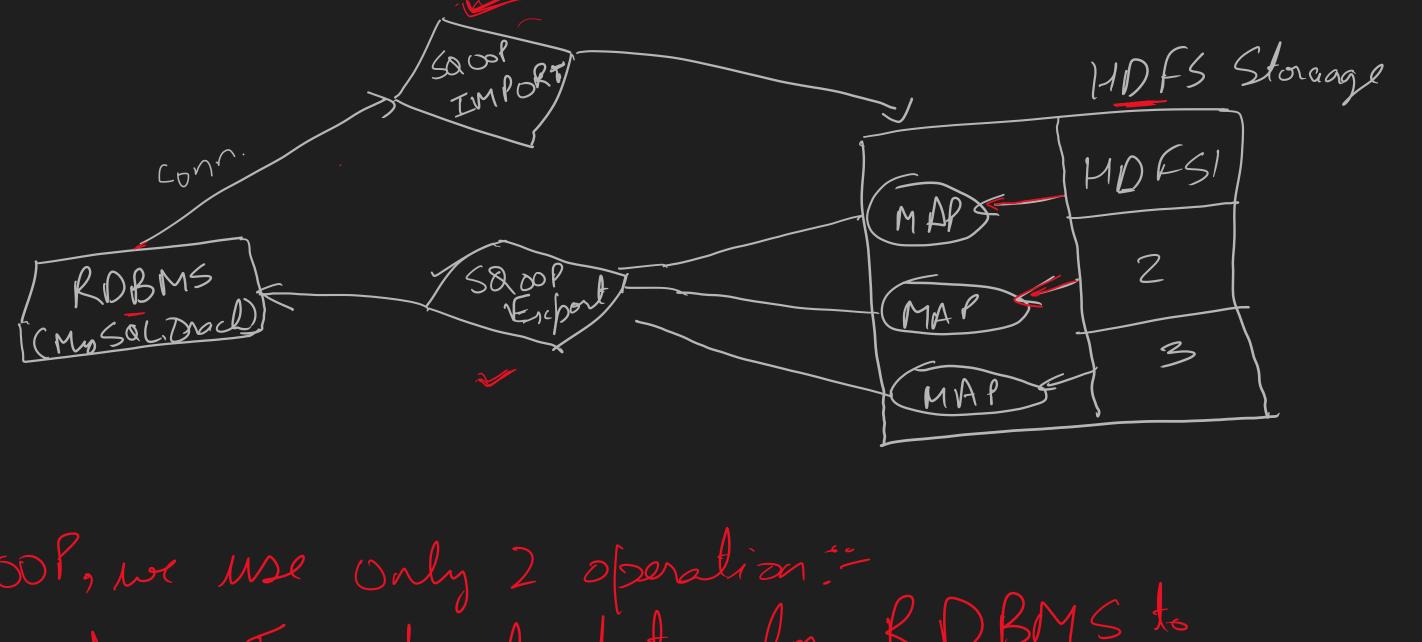
2) Authentication Server & It performs the initial authentication and reises ticket for the Ticket Granting Services.

(3) Ticket Granting Services -> It issues the ticket for the server.



- 1) User log in and request service on host. Thus Wer requests for TGS.
- 2) Authentication Server verify User's access right using the database and then gives the TGT and session token. TGT and token will enought
 - 3 The decryption of the message is done using the password and then the ticket is sent to the ticket granting server.
- 5 TGS decrypts—the ticket sent by user and authorisation validation takes place. 3 The user sends the ticket and the authorisation
 - validation to the server. The server verties the ticket and the access of the service. One granted, the user can access the service.

Work Flows & SQCOP:-



In SQ OOP, we use only 2 operation:

1 Infort - To import data for RDBMS to 2) Export > Exports data from HD FS to

RD BMS.

Prorequist: D Linux OS -> Free

2) Virtual Box inside Virtual Box you can have linex of 3 Cloud Instances (E(2) -) Charge you