

APACHE HIVE

Part 2

by Sumit Mittal



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Trainer Introduction



Mr. Sumit Mittal, CEO & founder of **TrendyTech**. He has a Master's degree in Computer Applications from NIT Trichy & have a total of 7+ years of industry experience. He has worked for top MNC's like **Cisco** & **VMware**.



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Storing Data in Hive

Storing Data in Hive



Data

The records in the table which holds the actual data



Metadata

Information about the underlying data in the table

Data



Stored in **HDFS**, the reliable storage for data in Hadoop

Files partitioned across multiple machines in the cluster

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Data



Stored in directories under Hive's warehouse directory

Data



hive.metastore.warehouse.dir
property in hive-site.xml

Data

user

hive

warehouse

Table 1

Table 2

Table 3

Table 4

Defaults to
/user/hive/warehouse



Metadata

Metastore, acts as a bridge between Hive and files in HDFS

A **relational database** with information on:

- databases, tables
- columns, owners, storage, serialization/deserialization information
- user supplied metadata





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