

Apache



by Sumit Mittal

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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What is Sqoop

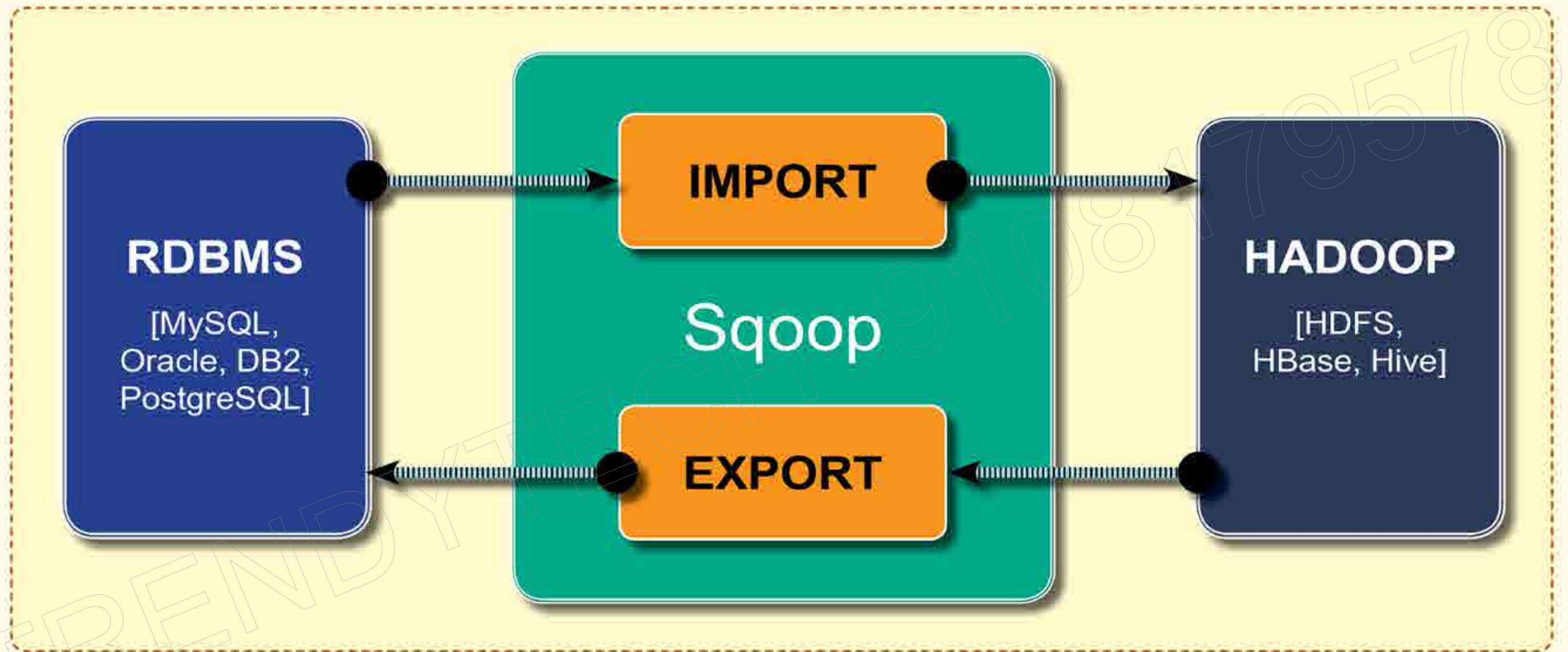
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What is Sqoop ?

Sqoop is a tool designed to transfer data between Hadoop and relational databases.

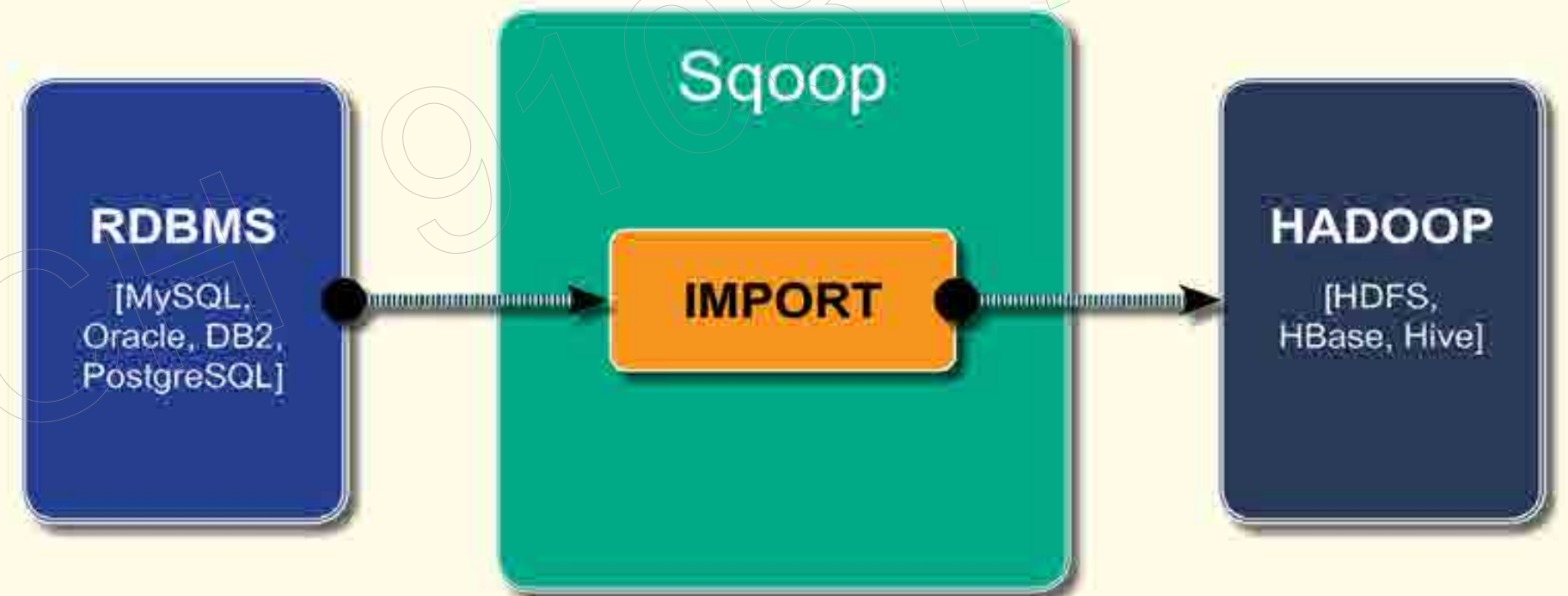


Sqoop Workflow

Key features of Sqoop

- » Full Load
- » Incremental Load
- » Parallel import/export
- » Compression
- » Security Integration
- » Load data directly into Hive/Hbase

Sqoop Import



Sqoop Import

Sqoop Import imports individual tables from RDBMS to HDFS.

Each row in a table is treated as a record in HDFS.

Records can be stored as Text file format, Sequence file format, Avro & Parquet file format.

Sqoop Export



Sqoop Export

Sqoop Export exports a set of files from HDFS back to an RDBMS.

The target table must already exist in the database.

Files are read & parsed into a set of records according to the user-specified delimiters.



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