

# Apache

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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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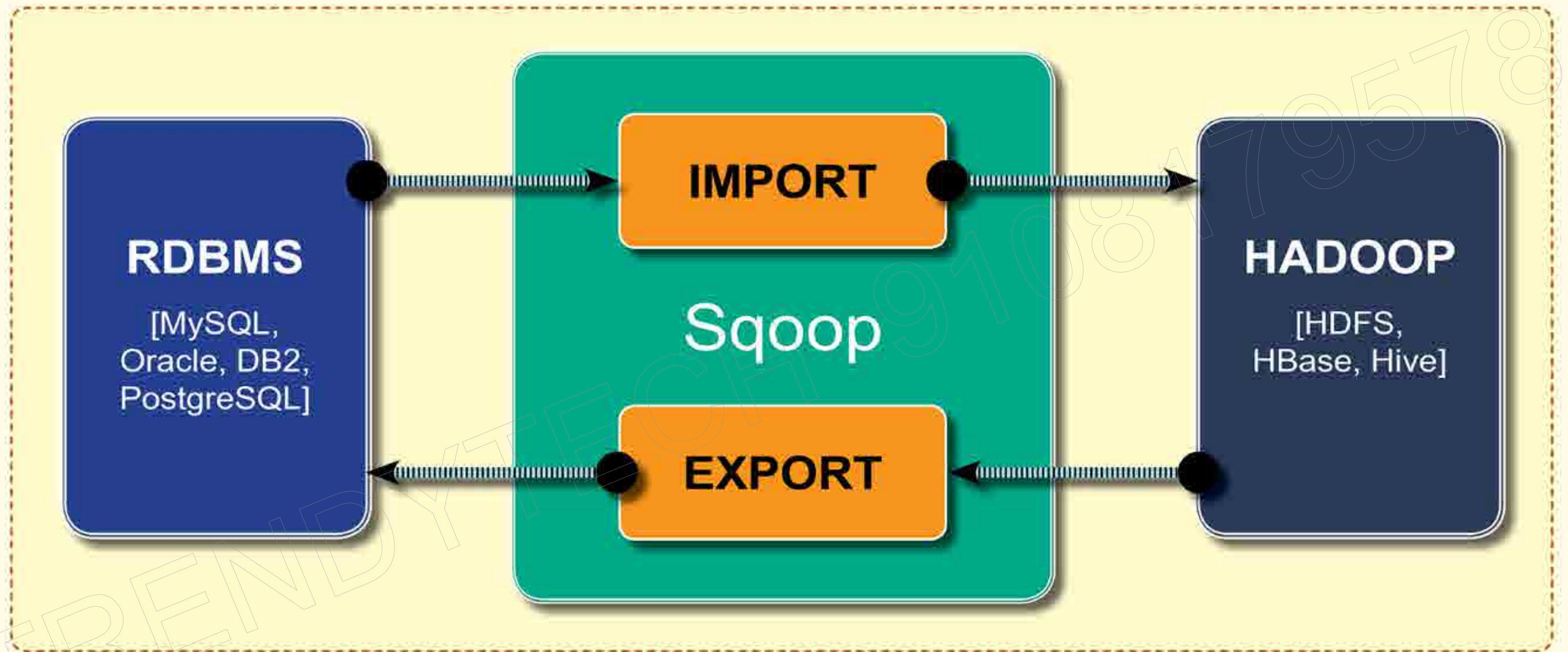
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# What is Sqoop ?

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



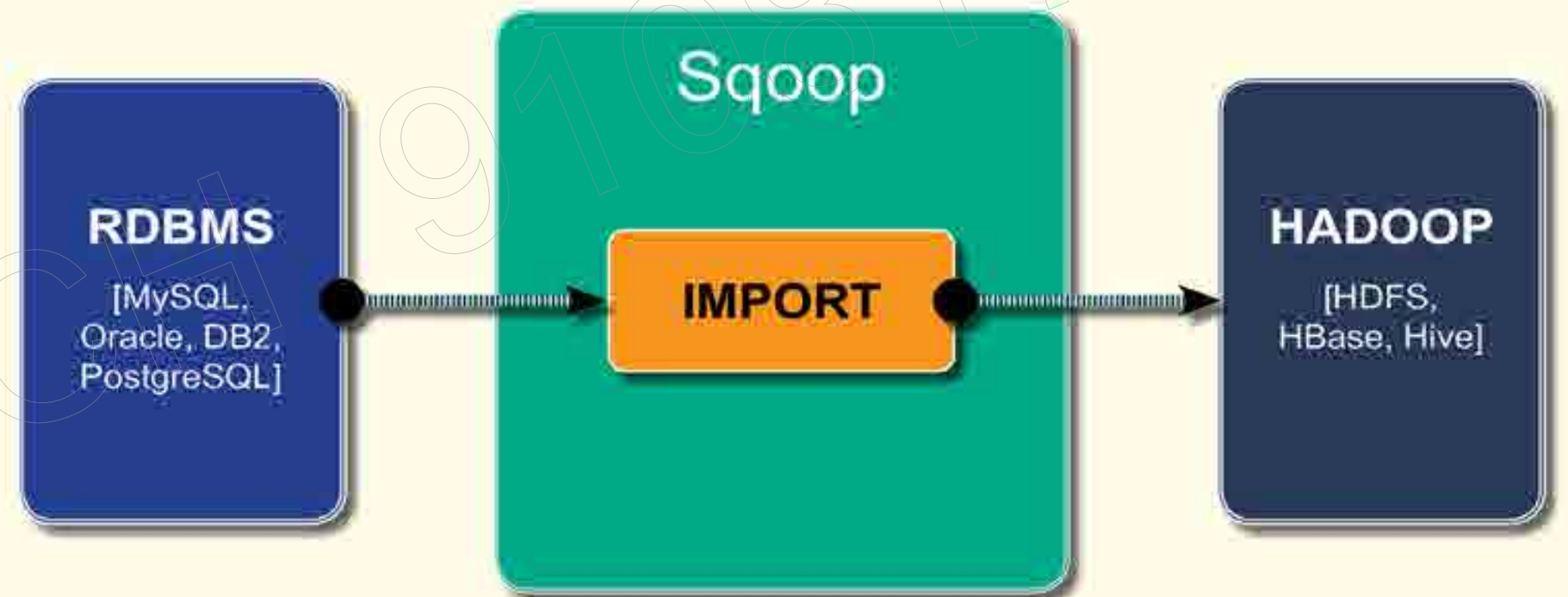
Sqoop Workflow



# 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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