



APACHE AVRO INTRODUCTION CCA-175 CERTIFICATION EXAM

By www.HadoopExam.com

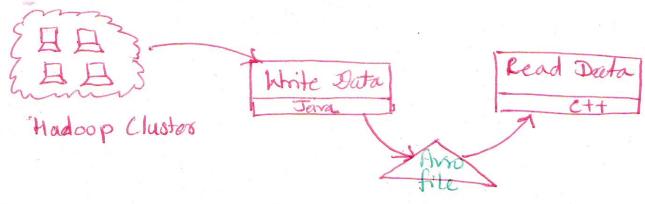
Note: These instructions should be used with the HadoopExam Apache Hadoop: Professional Trainings. Where it is executed and you can do hands on with trainer.

=> Use of Arrofiles are

1 Duta Sericlization

2) Duta Exchange (RPC)

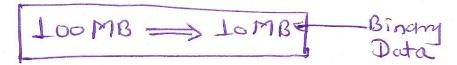
=> Avro files are language neutral.



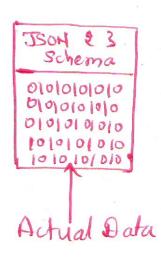
Avro Serialization: Program can efficiently Serialize data into files. Message 10/0/0/010 I am legini Hadoop. Serialization or Apache Arro Apach Hing Data Disk LOOMB 10101013 101010 Binary file 101010 CHOMBO

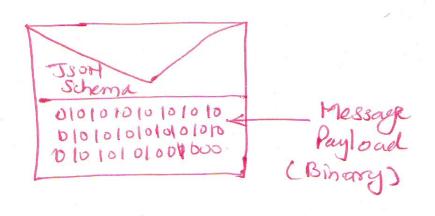
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=> Data Storage is compact & efficient.



=) Avro stores both the deta definition and deta together in one message or one file.





=) Arro Stores data and its definition (schema) together. Which helps program to understand the information stored in an Arro file or message.

Data Definition = Schema = JSON

Data = binary compact formet tata

=> Arro files include markers that can be used to splitting large dotasets into subset (HDFS) Slocks which make it suitable for MapReduce processing

Schema Endution

- 2) Its a key feature of Arro in this case schema com change over time. For instance.
 - -> Adding a field
 - -> Removing a field

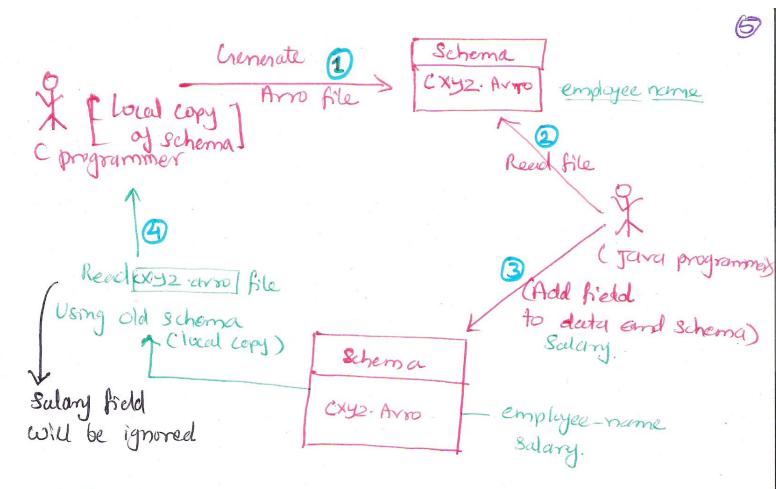
Still there is no problem for reading and writing duta with changed schema or old (unchanged) schema.

- =) Avoo cleanly hundles schema changes like O Missing fields
 - 1 Newely added fields
 - 3 changed fields.

Because of this

- O Old program com read new data new schema
- 1 New program com read old date [Based on]

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=> Summany:-

- D Apache Arm is a fremework that allows you to senalize data in a format that has schema built in
- 1 It serialize data in a compact binary format that does not require proxy objects or cale generation.
- 3 Instead of using generated proxy libraries and strong typing. And relies heavily on the schemas that are sent along with the serialized data.

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- Including schemus with the Arro message allows any application to deserralize the duta.
- 6 Avro schemes describe the formet of the message and are defined using Javascript object Notation (ISOM)

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