Practical Guide to Running Transaction Count on Hadoop HDP Platform with MapReduce (.jar files)

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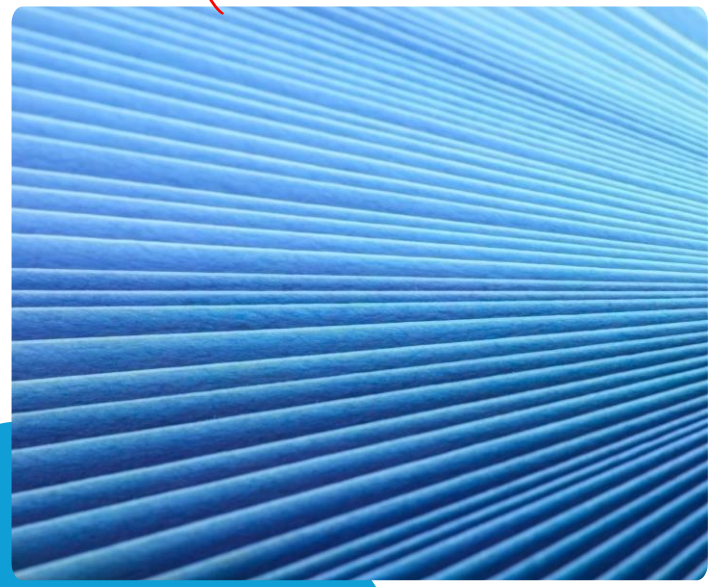

CLO

- Installation
- Development
- Execution
- Hadoop Map Reduce Limitation?
- Motivation for Hive?
- **Life Lesson**

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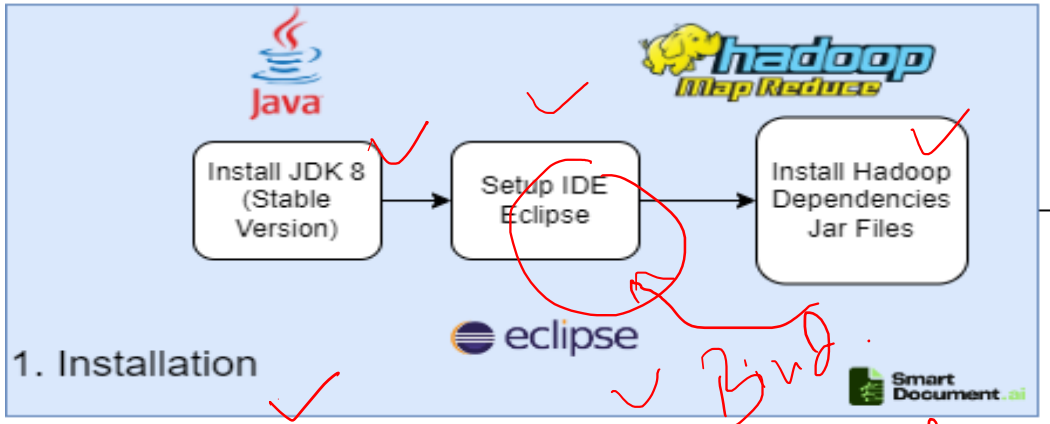

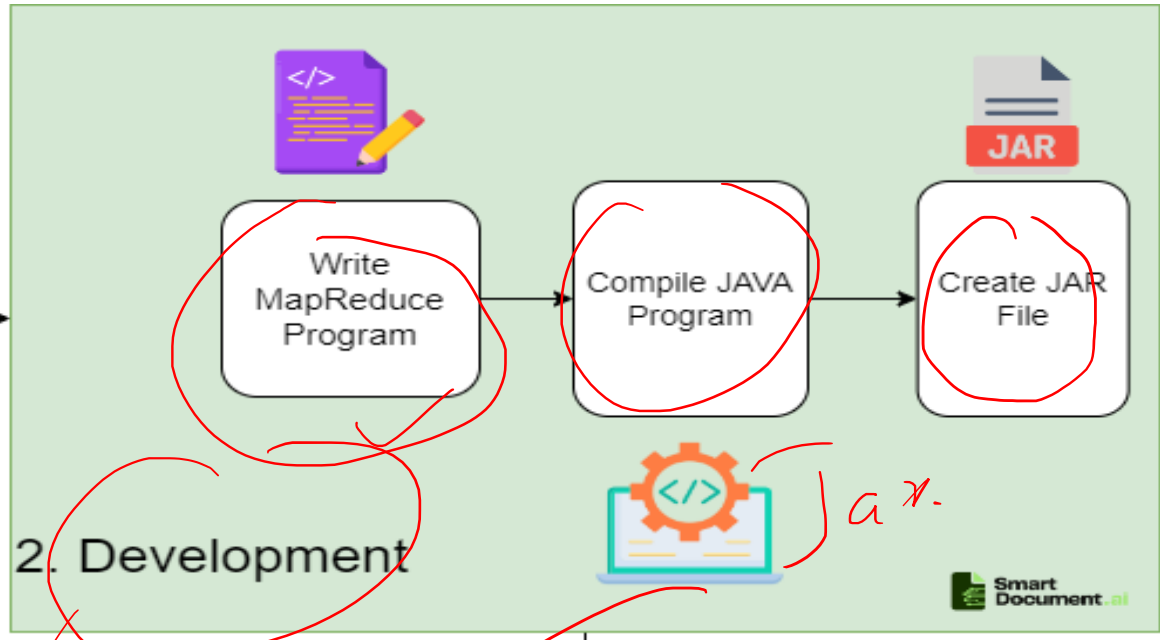

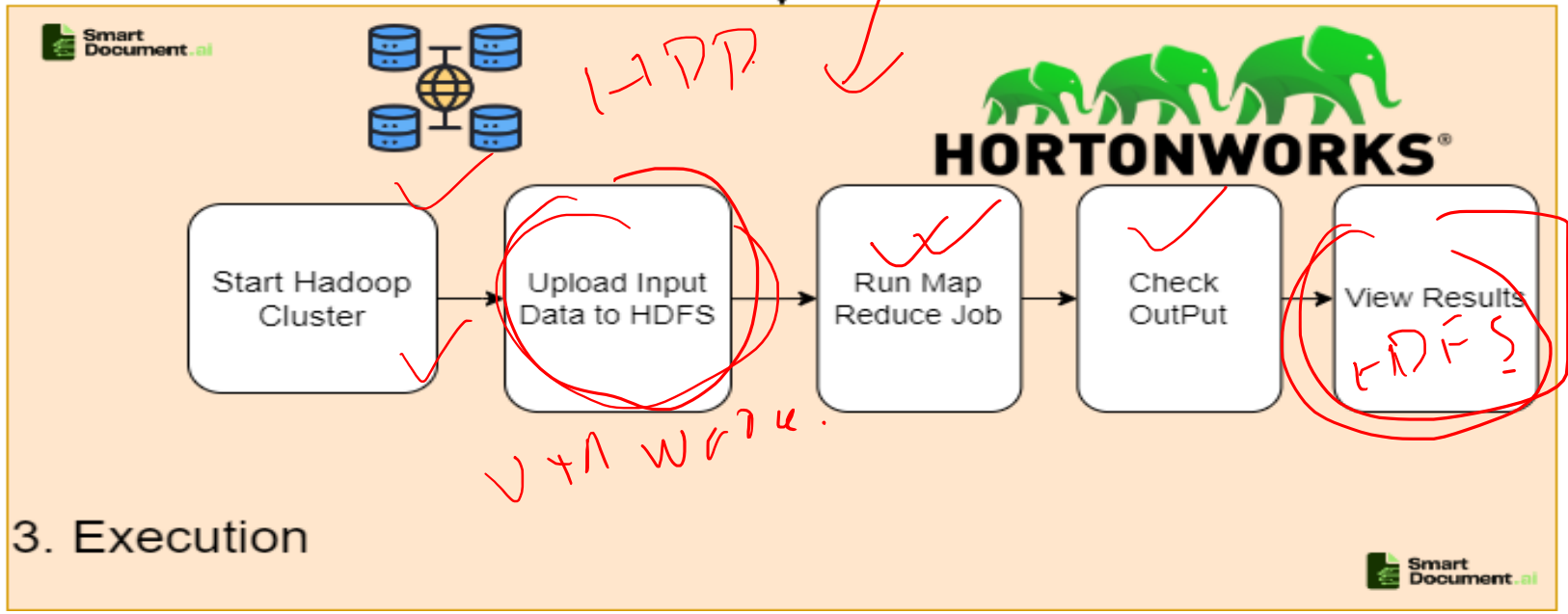

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Required Jar Files

1. hadoop-common-2.7.3.jar
2. hadoop-mapreduce-client-core-2.7.0.jar
3. hadoop-hdfs-2.7.0.jar
4. hadoop-mapreduce-client-common-2.7.0.jar
5. hadoop-mapreduce-client-jobclient-2.7.0.jar

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2. Development

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1

Open Eclipse and follow these steps:

2

Create a new Java project:

- Open Eclipse → File → New → Java Project.

3

Name the project HadoopMapReduceProject.

- Create a new package:
- Right-click src → New → Package.
- Name it com.hadoop.mapreduce.

4

Create the MapReduce class:

- Right-click on your package → New → Class.

5

Name the class TransactionAnalysis.

- Copy and paste the TransactionAnalysis code into this class.

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3. Execution: Hadoop Commands Life Saving

```
hadoop fs -ls /user/admin
```

```
hadoop fs -get /user/admin/Transactions4.jar
```

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Jar File Creations Troubleshooting

- JDK 8
- Hadoop 2.7.3
- Do not Export .classpath etc while creating jar File
- Its Optional to either keep or not keep the Menifest File

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Troubleshooting's

Specify Jar from Local File System
(Do not keep in HDFS)

Data Should be in HDFS

Output Should Also be HDFS

Run the Command Where Your Jar File is Present and Input and Output Data Path Could be Relative

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King Command

```
hadoop jar Transactions4.jar /user/admin/mapreduce_data.txt
/user/admin/output
```

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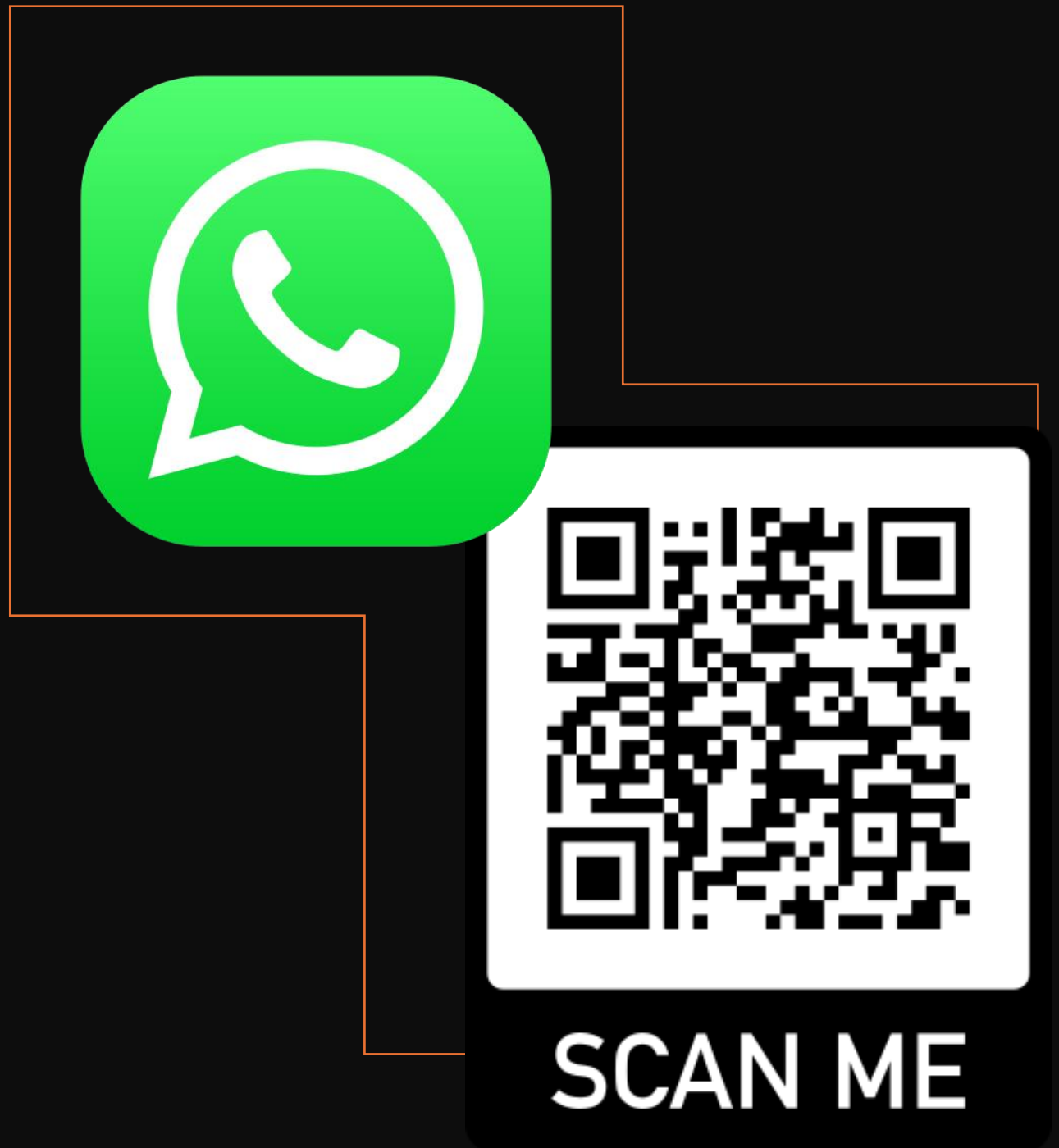

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