

Apache Hadoop Installation – pSudo Distribution Mode

Apache Hadoop Installation Introduction:-

“Apache Hadoop is a collection of open-source software utilities that facilitates using a network of many computers to solve problems involving massive amounts of data and computation. It provides a software framework for distributed storage and processing of big data using the MapReduce programming model.”

Apache Hadoop Installation – pSudo Distribution Mode

Apache Hadoop pSudo Distribution Mode Introduction:-

- ➔ pSudo Distribution Mode we will install on Single Machine.
- ➔ All Daemons (NameNode, SecondaryNameNode, DataNode, ResourceManager, NodeManager) runs different JVM's (Java Virtual Machine).

pSudo Distribution Mode

NN	SNN	DN	RM	NM
JVM	JVM	JVM	JVM	JVM
Java (JDK 8 or Latest)				
Operating System				

- ➔ pSudo Distribution Mode uses HDFS Filesystem.
- ➔ pSudo Distribution Mode used in Development, Testing and Production Environments.

Apache Hadoop Installation – pSudo Distribution Mode

Steps to Install pSudo Distribution:-

1. Pre-Installation Steps
2. Installation Steps
3. Post-Installations

Pre-Installation Steps:-

1. Operating System (Linux Operating System) should be Install (On Physical Machine or Any Virtualization or Any Cloud Computing AWS or Azure or GCP)
2. Java Should be Install (Recommended is Java 8 or Later)
3. Password Less SSH Should be Setup

Installation Steps:-

1. Hadoop 1.x – It is Outdated
2. Hadoop 2.x – Still Some People
3. Hadoop 3.x – Now days every one using

Post-Installations:-

We are going to configure Hadoop. There are 4 Important Files. They are:

1. core-site.xml
2. hdfs-site.xml
3. mapred-site.xml
4. yarn-site.xml

We are going to format NameNode

We are going to enable required port numbers.

By

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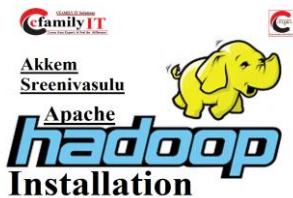
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