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Procedure gor hadoop installation along with commands using wirtual box and ubustu

PREREQUISITES.

* Download and install virtual Box.

* Download the latest LTS (Long-term support) version of Obuntu.

STEP-BY-STEP PROCEDURE: create a new virtual Hackine.

* open virtualBox and click "New"

* choose a name for your VH and sclect " ubuntu'

* Pelect memory allocation atteast 24B for single

* create a new virtual hard disk and specify the size atteast 20 GB.

2. Install Ubunfu

* Attach the downloaded ubuntu Iso image to UH's optical alrive.

Start V4 & constall ubuntel

* During installation, choose suitable platform scheme and set a not passuord.

3. Updare & upgrade Parkages

- * After Enstallation, open terminal in ubuntus
 nun yollowing commands.
 - >> Bash
 - -> sudo apt apadre
 - 3 sudo apt upgrade

4. Instau Java

- * Download JOK
- * Set JAVA_ HOME environment vanable by adding Bash export JAVA_HOME = I path I to I jak to bashre.

5. INSTALL HADOOP.

- * Download hadrop
- * Extract the downloaded tar file to directory.

tar_xvf hadoop -3.x.x.tar.gz-chapt.

* Set HADOOP _HOME Environment variable

Boush

EXPORT_HADOOP_HOME = Opt/hadoop - 3. x.x to bashro file.

that hadoop bun directory to your path

-expost PATH = \$ HADOOP_HOME | BOD: \$ PATH

CONFIGURG HADOOD * Copy the core-site xml and holfs-site. xml-fices from the etc/ fladloop directory to your home directory. Bash CP \$ HADOOP_HOME/ert | hadcop / core-sire xml ep & HADOOP_ HOYELER! Radoop/ Rofs_ with xml * Edit files to consigure hadoop 2 configuration > property> 2 name > gs defaultFs </name> Lvalue > hafs: 11 localhost: 9000 / value> I (property> & property> Zname > ofs replication /mames 2 valu > 1 < 1 value

// configuration>

- 7. Format the Namewode
 - *Run the command to form out Nancwode Bash hays namenode -format.
- 8. Start Hadlop Services:
 - * Run ine commands ito start Namenode 1.

Bash Start - afs. sh

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- verify hadoop installation.
- Run to check states of hadoop services.
 - Access Hadoop web UT
- # Open web browser & navigate to Attp: 11 localhost: 50070. you should see the Hadrop web UT.