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Documentation for Case Study

1. Optimized Case study for the Hadoop Ecosystem portion.

Intro: All the files for optimized are in a zip folder. The Hive database referenced for all hive tables is called “cdw\_sapp”.

Create a folder called “casestudyoozie” under “/user/maria\_dev/” in Ambari , put all the files

* Copydata.hql
* caststudyexternal.hive
* casestudyinternalorc.hive
* coordinator.xml
* workflow.xml

Into the /casestudyoozie directory under Ambari File view.

The directory for all the folder will be /user/maria\_dev/casestudyoozie/

Create a directory called “casestudy” under Documents and Put the following file

* job.properties

Into the VMware using WINSCP within the directory /root/Documents. So the job.properties is in /root/Documents/casetudy/.

End result will be /root/Documents/casetudy/job.properties

Put the shell script named

* script.sh

Into WMware, logged in as root. You can put the script in any directory, preferably in Document. Make sure script.sh is executable if not type chmod +x script.sh into the command line.

Make sure the Metastore is currently running by meta-store.

Then execute the script by typing ./script.sh, in case the script doesn’t work. Just copy all the codes in the script.sh and run it on the command line individually.

1. Un-optimized Case study guide for the Hadoop ecosystem portion

All the files for unoptimized are also in a zip folder.

Create a folder called “nonopcasestudy” under Documents and put the following file

* job.properties

Into the VMware using WINSCP within the directory /root/Documents. So this job.properties is in

root/Documents/nonopcasestudy/ and in the end it will be root/Documents/nonopcasestudy/job.properties

Put the following files in maria\_dev/nonoptimcasestudy

* qinonopcaseinternal.hive
* qinonoptimcaseexternal.hive
* qinonoptimCopydata.hql
* workflow.xml
* coordinator.xml

Create the folder named “nonoptimcasestudy” in Ambari under Maria\_Dev.

Put the following file in the vmware, logged in as root using winscp

* nonopscript.sh

Make sure the file is executable in commandline by typing chmod +x nonopscript.sh.

Run the executable. In case the file is not running, just run through every single command in nonopscript.sh.

**Note: Should it not work, go ahead and run both the delete.sh and deletenonop.sh script before proceeding.**

1. **Java Portion of the Case study**

Run it as a webapp on index.jsp to view the servlet end. Otherwise run it on the console in the runner package and execute the void main. To change the database/username/password, go to dbconnection\_abstract and change the connection. I do not have a db.properties.