Quick Ref: Hue

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| **S.No** | **Topic** | **Desc** |
|  | **Web Ref** |  |
|  |  | <https://www.youtube.com/watch?v=MirUViCib-Q&list=PLf0swTFhTI8pOZ4VBSGerKUmF9USWL6vd&index=23> |
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|  | **General Info** |  |
|  | About Hue | 1. Hue is a web interface. It consolidates all Hadoop eco system tools under one web interface. So that handling Hadoop eco system is easy via WUI instead of CLI (Command Line Interface). Mainly used by Developers not by admin. 2. Hue is not part of Hadoop eco system 3. Hue will NOT use MapReduce job 4. Upload data into HDFS using Hue WUI 5. Run most of the tools in Hadoop eco system using Hue WUI   It has ‘Query Editor’ menu to choose: Hive, Impala, DB Query, Pig, Job Designer, Spark |
|  | Pre-request for Hue | ZooKeeper, HDFS, YARN (MRV2), Hive, Oozie |
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|  | **General Navigation** |  |
|  | Menu | 1. File Browser - To access HDFS 2. JOB Browser – To see the job status |
| 1 | Admin login (first time) | CM Home -> Hue -> Hue Web UI (under quick links) -> First time login with uid & pwd as admin & admin  # It will automatically create a folder for user ‘admin’ in HDFS  >Hadoop fs –ls /user/admin |
| 2 | Validate Hue | # Go to File Browser/Query Editor menu to make sure WebUI connected to server   1. File Browser (menu): If it shows ‘server error (500)’ then Hue is not configured properly 2. Query Editor(menu) : Hive, Impala, DB Query (To connect to RDBMS like MySQL, Oracle), etc. Note: select DB in the left hand side |
| 3 | Admin (menu)  Group , User and Permission creation | #Note: Whenever you add a new user, it will create a directory in HDFS. Ex: You are adding a new user in Hue ‘kumar’. It will add a directory in HDFS /user/kumar  After login to Hue -> Admin (menu) -> Manage Users -> Add a Group  After login to Hue -> Admin (menu) -> Manage Users -> Add users (add new user details) -> known issue (can’t make home directory for user) -> Because admin doesn’t has access to create user under home directory (/user/kumar)  # Also Integrate with LDAP (Need to check LDAP details)  # Also create a group and let user part of the group  # Hue Web UI: Port:8888  # Hue 3.6.0 |
| 4 | Query Editor (menu):  Job designer (Oozie) | Hue WebUI -> Query Editor (menu) -> Job Designer (Oozie) -> New Action (button) -> Choose action (MR, Hive, etc) -> Setup Oozie Job |
| 5 | Data Browser (menu): | Databrowser:   1. Metastore Tables (Hive) 2. HBase 3. Sqoop 4. Zookeeper |
| 6 | Workflow (menu): | # Hope this is also for Oozie… still pending.. need to explore |
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