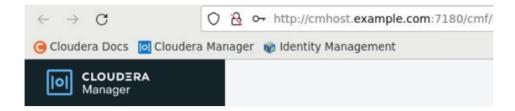
mod08_ex02: Installing Zeppelin

The purpose of this exercise is to install Zeppelin. Zeppelin is a notebook tool which is configured with interpreters. Different interpreters allow for connections to the Linux shell, a jdbc connector to a RDBMS or Hive/Impala, or a connector to Livy for the execution of Spark commands.

Reference Information

• TBD

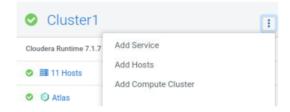
- 1. Log into Cloudera Manager as the administrative user, allan_admin.
- 1.1 On the Firefox bookmark toolbar select Cloudera Manager.



1.2 Login as the user training with password <password>.



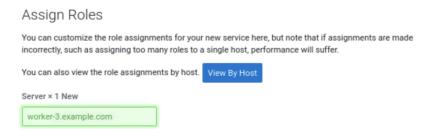
- 2. Install Zeppelin.
- 2.1 From Cloudera Manager Home select Action. Select Add Service.



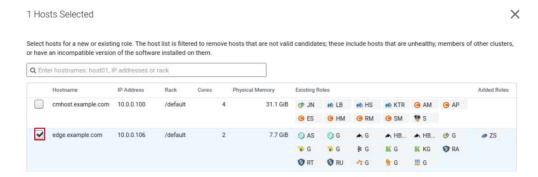
2.2 On Add Service scroll down. Select Zeppelin. Click Continue.



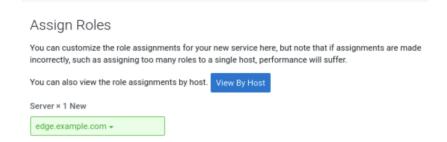
2.3 On Assigned Roles click Server.



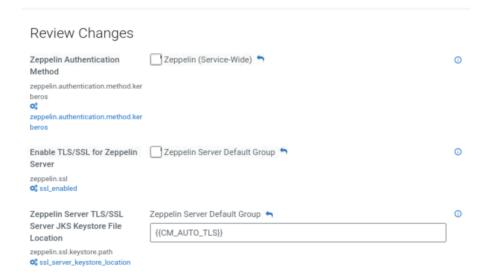
2.4 On Hosts Selected select the option for edge.example.com. Click OK.



2.5 Return to Assign Roles. Ensure only edge.example.com is selected. Click Continue.

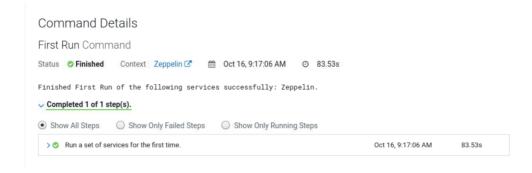


2.6 Review changes. Click Continue.



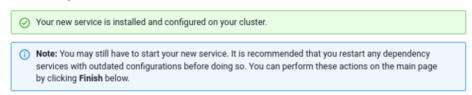
Note: TLS and Kerberos will be automatically configured.

2.7 On Command Details monitor the install. When Finished click Continue.

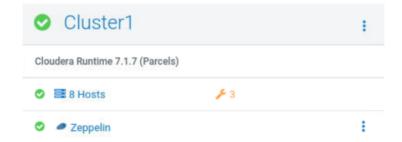


2.8 On Summary click Finish.

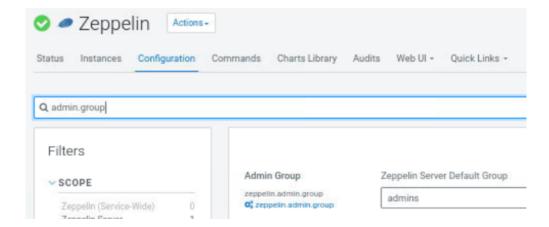
Summary



- 3. Configure Zeppelin.
- 3.1 Return to Cloudera Manager Home. Select Zeppelin. Select Configuration.



3.2 Search for "admin.group". All members of this group will have administrator privileges to Zeppelin.

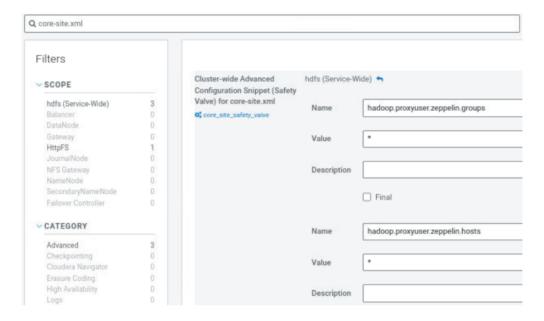


The user allan_admin is a member of LDAP group admins. The user allan_admin will have full admin privileges to Zeppelin.

3.3 Return to Cloudera Manager Home. Select hdfs. Select Configuration.

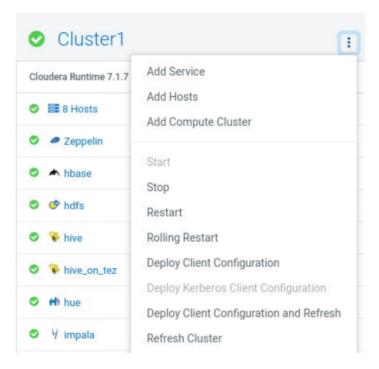


3.4 Search for "core-site.xml". This will find Cluster-wide Advanced Configuration Snippet (Safety Valve) for core-site.xml. Add the proxyuser properties for groups and for hosts. These are required to allow the service user zeppelin to access hadoop from any group or any host. Click Save Changes

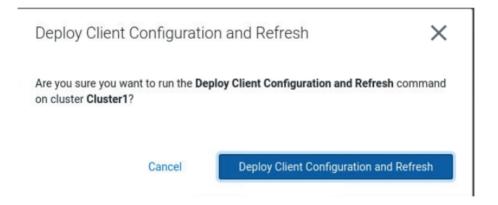


hadoop.proxyuser.zeppelin.groups=*
hadoop.proxyuser.zeppelin.hosts=*

3.5 On Cloudera Manager select Actions. Select Restart. Click Restart. When Finished click Close.



3.6 On Cloudera Manager Home select Action Deploy Client Configuration and Refresh. Click Client Configuration and Refresh.

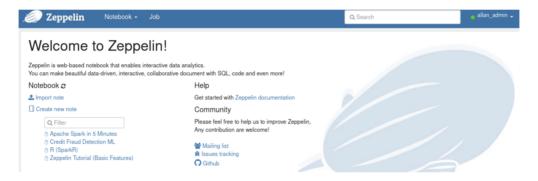


- 4. Validate Zeppelin.
- 4.1 Select Zeppelin. Select Zeppelin Server Web UI.





4.3 On Zeppelin Welcome verify you are logged in as the administrative user, allan_admin.



5. Leave Zeppelin open. Proceed to the next exercise.