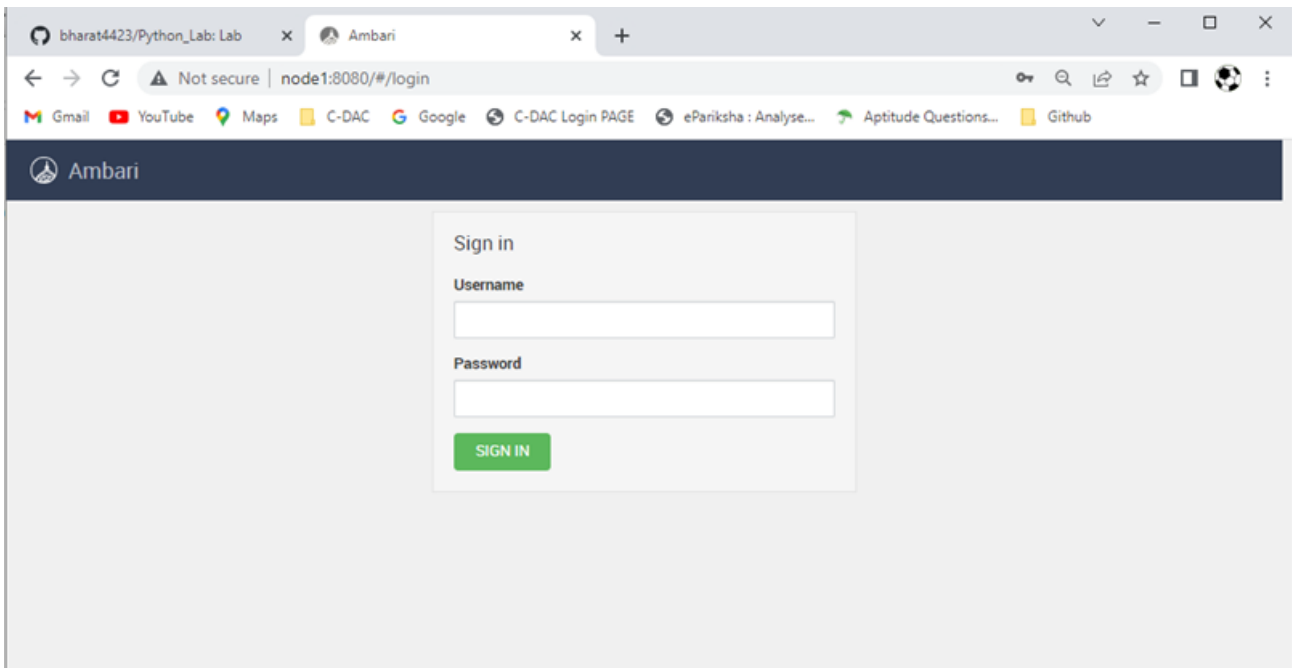


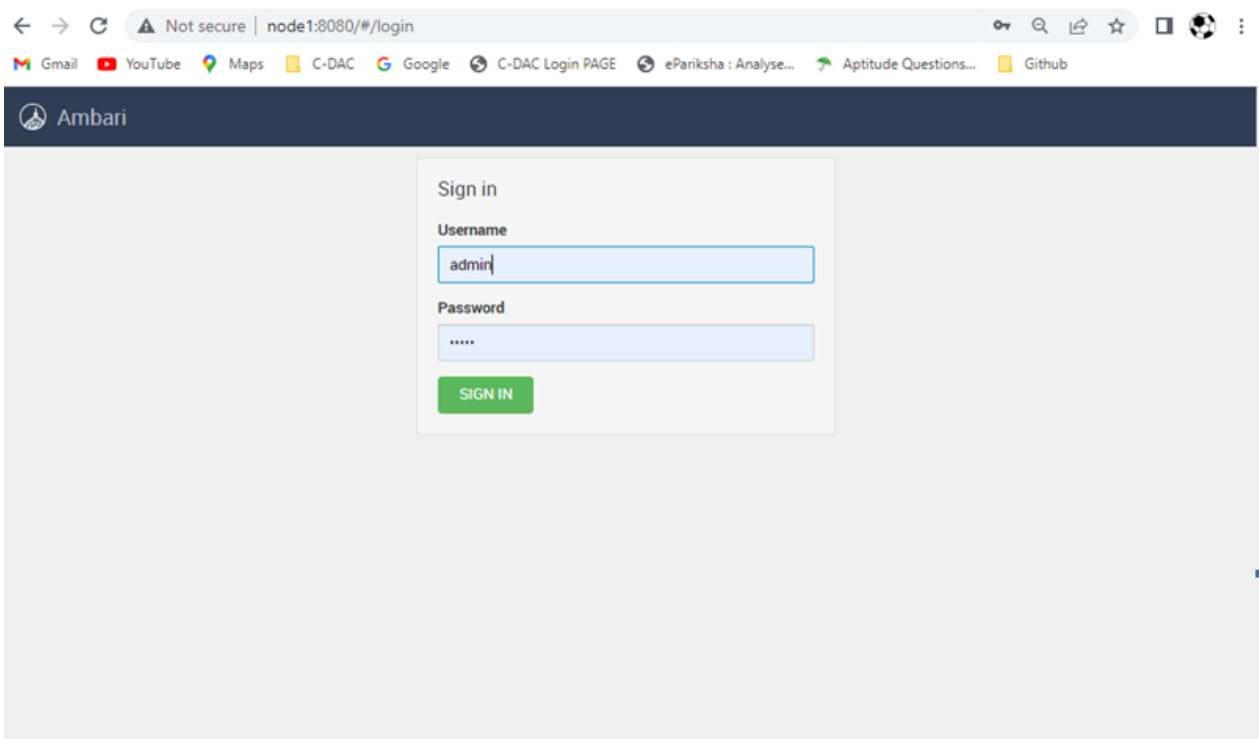
Ambari Server installation and configuration

Step 1: Login in Web Browser

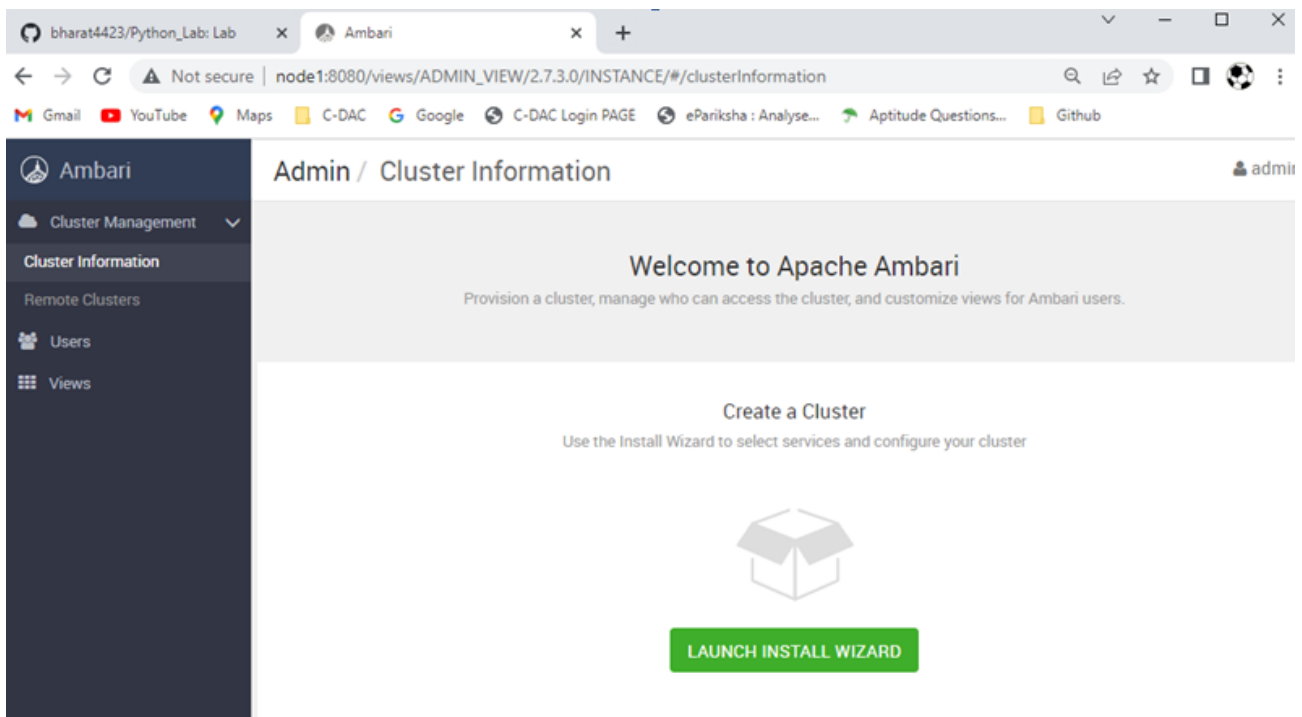


Step 2:- Enter Login credentials

Username- admin Password- admin

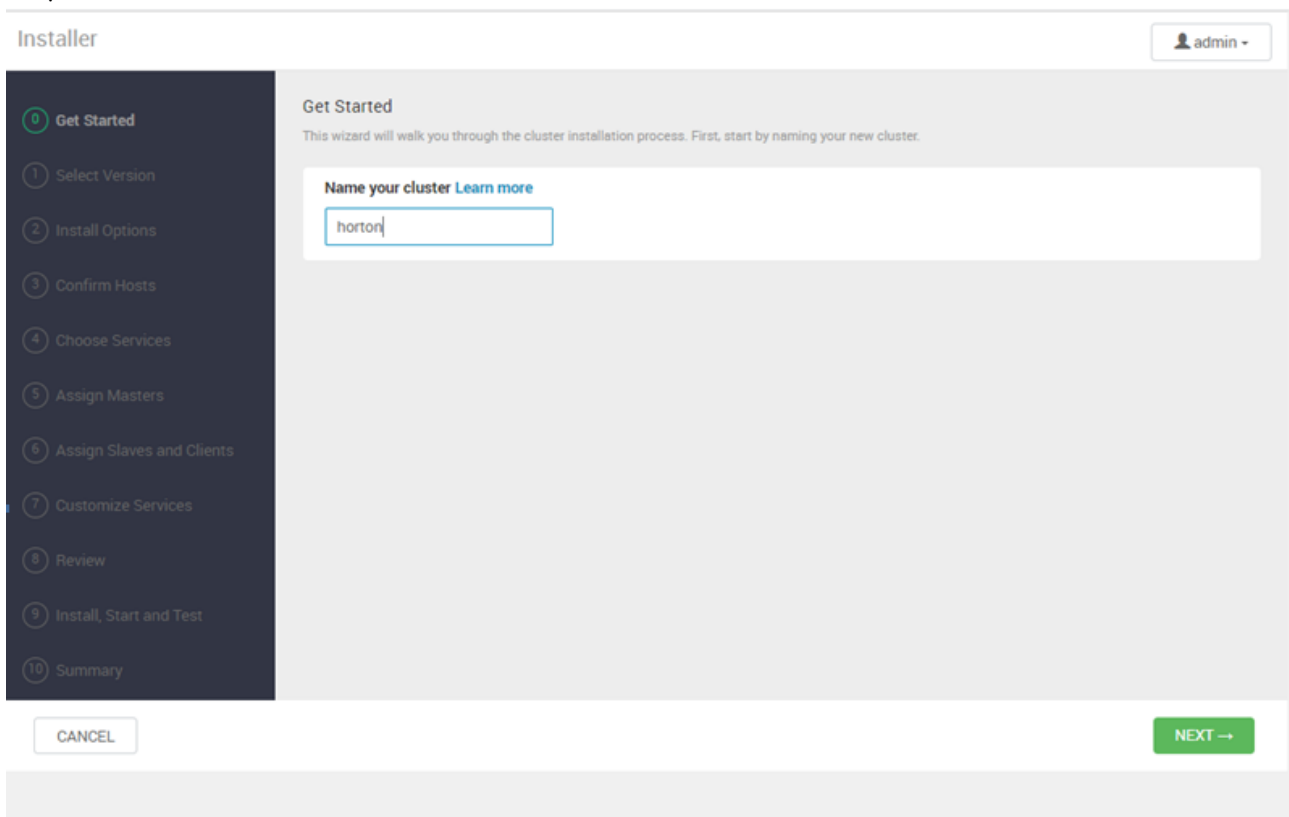


Step 3: Launch install wizard



The screenshot shows the Apache Ambari web interface. The browser address bar indicates the URL is `node1:8080/views/ADMIN_VIEW/2.7.3.0/INSTANCE/#/clusterInformation`. The page title is "Admin / Cluster Information". The main content area displays "Welcome to Apache Ambari" with the subtitle "Provision a cluster, manage who can access the cluster, and customize views for Ambari users." Below this, there is a section titled "Create a Cluster" with the instruction "Use the Install Wizard to select services and configure your cluster". A large green button labeled "LAUNCH INSTALL WIZARD" is prominently displayed.

Step 4:- Click on that and Enter Cluster Name:- Horton



The screenshot shows the Apache Ambari Installer interface. The left sidebar contains a list of steps: 0 Get Started, 1 Select Version, 2 Install Options, 3 Confirm Hosts, 4 Choose Services, 5 Assign Masters, 6 Assign Slaves and Clients, 7 Customize Services, 8 Review, 9 Install, Start and Test, and 10 Summary. The main area is titled "Get Started" and contains the text "This wizard will walk you through the cluster installation process. First, start by naming your new cluster." Below this, there is a form labeled "Name your cluster" with a text input field containing the word "horton". A "NEXT →" button is visible at the bottom right, and a "CANCEL" button is at the bottom left.

Step 5:- Keep only redhat7 Repositories, and Remove all other Repositories

Select Version
Select the software version and method of delivery for your cluster.

HDP-3.1 HDP-3.0

HDP-3.1

Accumulo	1.7.0
Infra Solr	0.1.0
Ambari Metrics	0.1.0
Atlas	0.7.0.3.1
Druid	0.12.1
Ubase	3.0.0.3.1

Repositories
Using a Public Repository requires Internet connectivity. Using a Local Repository requires you have configured the software in a repository available in your network.

☐ Use Public Repository [Why is this not selected?](#) ☒ Use Local Repository

Provide Base URLs for the Operating Systems you are configuring.

Attention: Repository Base URLs of at least one OS are REQUIRED before you can proceed. Please make sure they are in correct format with its protocol.

OS	Name	Base URL
amazonlinux2	HDP-3.1	Enter Base URL or remove this OS
	HDP-UTILS-1.1.0.22	
debian9	HDP-3.1	Enter Base URL or remove this OS
	HDP-UTILS-1.1.0.22	
redhat-ppc7	HDP-3.1	Enter Base URL or remove this OS
	HDP-UTILS-1.1.0.22	
redhat7	HDP-3.1	Enter Base URL or remove this OS
	HDP-UTILS-1.1.0.22	

Step 6:- Put there URL path

Select Version
Select the software version and method of delivery for your cluster.

HDP-3.1 HDP-3.0

HDP-3.1

Accumulo	1.7.0
Infra Solr	0.1.0
Ambari Metrics	0.1.0
Atlas	0.7.0.3.1
Druid	0.12.1
Ubase	3.0.0.3.1

Repositories
Using a Public Repository requires Internet connectivity. Using a Local Repository requires you have configured the software in a repository available in your network.

☐ Use Public Repository [Why is this not selected?](#) ☒ Use Local Repository

Provide Base URLs for the Operating Systems you are configuring.

Attention: Repository Base URLs of at least one OS are REQUIRED before you can proceed. Please make sure they are in correct format with its protocol.

OS	Name	Base URL
redhat7	HDP-3.1	Enter Base URL or remove this OS
	HDP-UTILS-1.1.0.22	

☐ Skip Repository Base URL validation (Advanced) ☒
☐ Use RedHat Satellite/Spacewalk ☒

BACK CANCEL NEXT

Step 7: URL's

HDP-3.1:- <http://node1.bharat.com/HDP/centos7/3.1.0.0-78/>

HDP-UTILS: - <http://node1.bharat.com/HDP-UTILS/centos7/1.1.0.22/>

Installer

Get Started

1 Select Version

2 Install Options

3 Confirm Hosts

4 Choose Services

5 Assign Masters

6 Assign Slaves and Clients

7 Customize Services

8 Review

9 Install, Start and Test

10 Summary

Select Version

Select the software version and method of delivery for your cluster.

HDP-3.1 HDP-3.0

HDP-3.1

Accumulo	1.7.0
infra Solr	0.1.0
Ambari Metrics	0.1.0
Atlas	0.7.0.3.1
Druid	0.12.1
MapR	3.0.0.3.1

Repositories

Using a Public Repository requires internet connectivity. Using a Local Repository requires you have configured the software in a repository available in your network.

☐ Use Public Repository
Why is this not selected?

☒ Use Local Repository

Provide Base URLs for the Operating Systems you are configuring.

OS	Name	Base URL
redhat7	HDP-3.1	http://node1.bharat.com/HDP/centos7/3.1.0.0-78/
	HDP-UTILS-1.1.0.22	http://node1.bharat.com/HDP-UTILS/centos7/1.1.0.22/

☐ Skip Repository Base URL validation (Advanced)

☐ Use RedHat Satellite/Spacewalk

← BACK CANCEL NEXT →

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Step 8:- Select Target Hosts node[1-2].bharat.com (bharat.com - Domain name)

Installer

Get Started

1 Select Version

2 Install Options

3 Confirm Hosts

4 Choose Services

5 Assign Masters

6 Assign Slaves and Clients

7 Customize Services

8 Review

9 Install, Start and Test

10 Summary

Install Options

Enter the list of hosts to be included in the cluster and provide your SSH key.

Target Hosts

Enter a list of hosts using the Fully Qualified Domain Name (FQDN), one per line. Or use Pattern Expressions

node[1-2].bharat.com

Host Registration Information

☒ Provide your SSH Private Key to automatically register hosts

☐ Perform manual registration on hosts and do not use SSH

CHOOSE FILE No file selected

ssh private key

SSH User Account root

SSH Port Number 22

← BACK CANCEL REGISTER AND CONFIRM →

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Step 9:-Select Perform manual registration and click on REGISTER AND CONFIRM

The screenshot shows the Ambari Cluster Install Wizard at Step 2: Install Options. The left sidebar contains a navigation menu with steps 1 through 10. Step 2 is currently selected. The main content area is titled 'Install Options' and includes a sub-header 'Target Hosts' with a text input field containing 'node[1-2].bharat.com'. Below this is the 'Host Registration Information' section, which has two radio buttons: 'Provide your SSH Private Key to automatically register hosts' (unselected) and 'Perform manual registration on hosts and do not use SSH' (selected). There is a 'CHOOSE FILE' button and a text input field for the SSH private key. At the bottom, there are input fields for 'SSH User Account' (root) and 'SSH Port Number' (22). A green 'REGISTER AND CONFIRM' button is at the bottom right. The footer mentions the Apache License, Version 2.0.

Step 10:- Select OK

This screenshot is similar to the previous one, but it includes a modal dialog box titled 'Host name pattern expressions'. The dialog box contains two lines of text: 'node1.bharat.com' and 'node2.bharat.com'. At the bottom of the dialog are 'CANCEL' and 'OK' buttons. The background shows the same 'Install Options' screen as in Step 9, with the 'Perform manual registration' option selected.

Step 11:- Again Click OK

The screenshot shows the Ambari Cluster Install Wizard interface. A modal dialog box titled "Before You Proceed" is open, displaying the message: "You must install Ambari Agents on each host you want to manage before you proceed." Below the message are "CANCEL" and "OK" buttons. The background shows the "Host Registration Information" section with options for SSH Private Key and manual registration, and fields for SSH User Account (root) and SSH Port Number (22).

Installer

Get Started
Select Version
2 Install Options
3 Confirm Hosts
4 Choose Services
5 Assign Masters
6 Assign Slaves and Clients
7 Customize Services
8 Review
9 Install, Start and Test
10 Summary

Before You Proceed

You must install Ambari Agents on each host you want to manage before you proceed.

CANCEL OK

Host Registration Information

☐ Provide your SSH Private Key to automatically register hosts

☒ Perform manual registration on hosts and do not use SSH

CHOOSE FILE No file selected

ssh private key

SSH User Account root

SSH Port Number 22

← BACK CANCEL REGISTER AND CONFIRM →

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Step 12:- Successfully registering our hosts. Then click NEXT

The screenshot shows the "Confirm Hosts" screen in the Ambari Cluster Install Wizard. It displays a table with host registration progress and status for two hosts: node1.bharat.com and node2.bharat.com. Both hosts show a green progress bar and a "Success" status. Below the table, there is a message: "All host checks passed on 2 registered hosts. Click here to see the check results." The "NEXT" button is highlighted in green.

Installer

Get Started
Select Version
Install Options
3 Confirm Hosts
4 Choose Services
5 Assign Masters
6 Assign Slaves and Clients
7 Customize Services
8 Review
9 Install, Start and Test
10 Summary

Confirm Hosts

Registering your hosts.
Please confirm the host list and remove any hosts that you do not want to include in the cluster.

Show: All (2) | Installing (0) | Registering (0) | Success (2) | Fail (0)

Host	Progress	Status	Action
<input type="checkbox"/> node1.bharat.com	<div></div>	Success	
<input type="checkbox"/> node2.bharat.com	<div></div>	Success	

Items per page: 25 1 - 2 of 2 <>

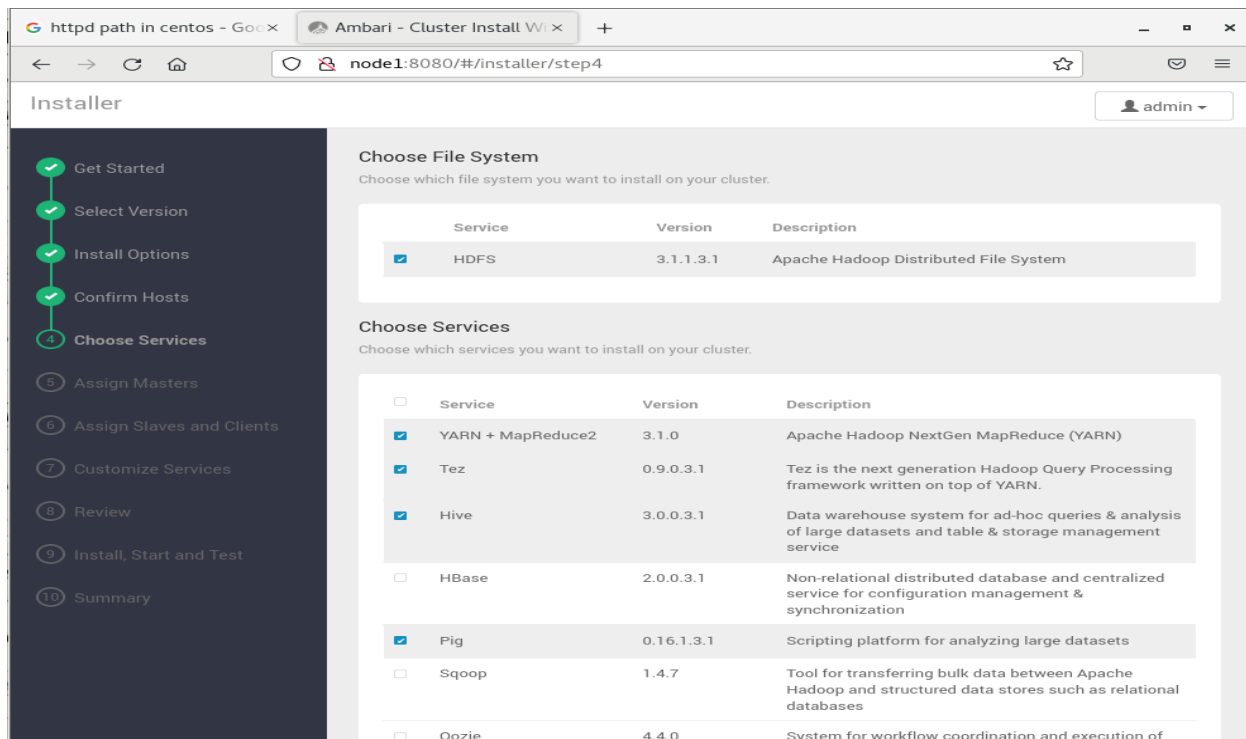
1 Other Registered Hosts

All host checks passed on 2 registered hosts. [Click here to see the check results.](#)

← BACK CANCEL NEXT →

Step 13:- Then select the below selected checkbox and unchecked others.

1)HDFS, 2)YARN+MapReduce2, 3)Hive, 4)Pig



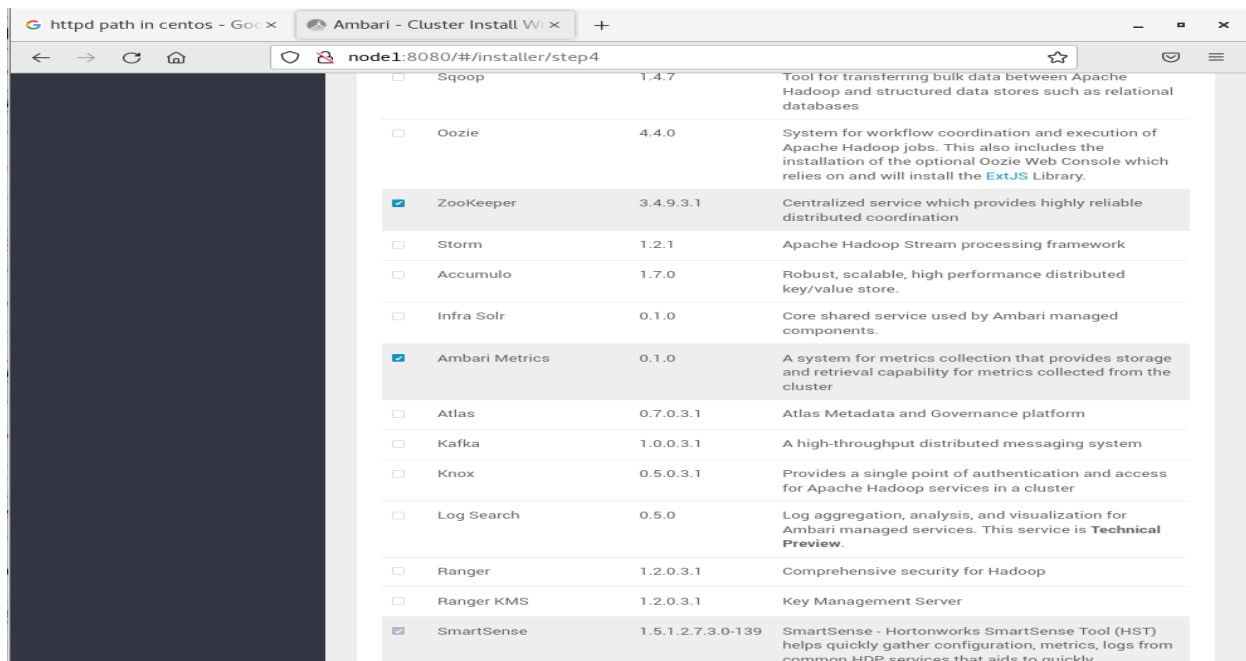
Choose File System
Choose which file system you want to install on your cluster.

Service	Version	Description
<input checked="" type="checkbox"/> HDFS	3.1.1.3.1	Apache Hadoop Distributed File System

Choose Services
Choose which services you want to install on your cluster.

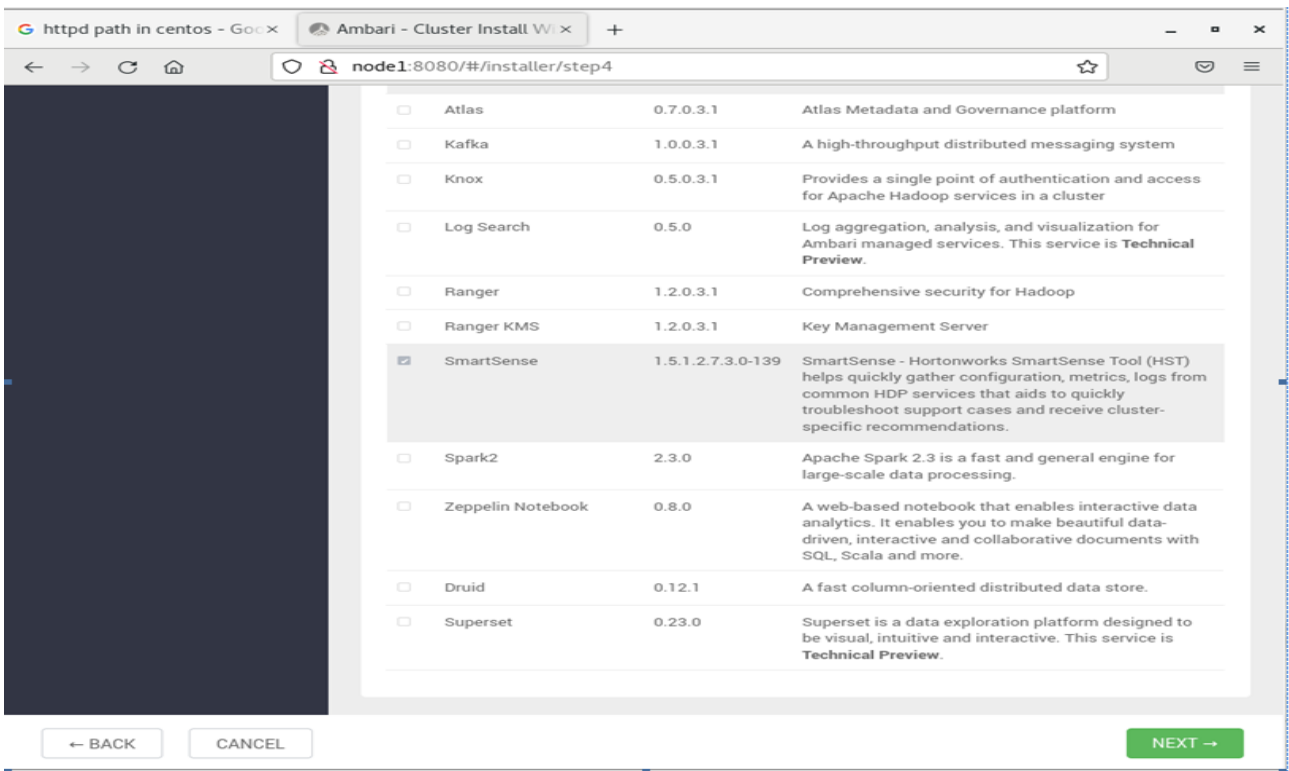
Service	Version	Description
<input checked="" type="checkbox"/> YARN + MapReduce2	3.1.0	Apache Hadoop NextGen MapReduce (YARN)
<input checked="" type="checkbox"/> Tez	0.9.0.3.1	Tez is the next generation Hadoop Query Processing framework written on top of YARN.
<input checked="" type="checkbox"/> Hive	3.0.0.3.1	Data warehouse system for ad-hoc queries & analysis of large datasets and table & storage management service
<input type="checkbox"/> HBase	2.0.0.3.1	Non-relational distributed database and centralized service for configuration management & synchronization
<input checked="" type="checkbox"/> Pig	0.16.1.3.1	Scripting platform for analyzing large datasets
<input type="checkbox"/> Sqoop	1.4.7	Tool for transferring bulk data between Apache Hadoop and structured data stores such as relational databases
<input type="checkbox"/> Oozie	4.4.0	System for workflow coordination and execution of

Step 14:- Select here Zookeeper and Ambari

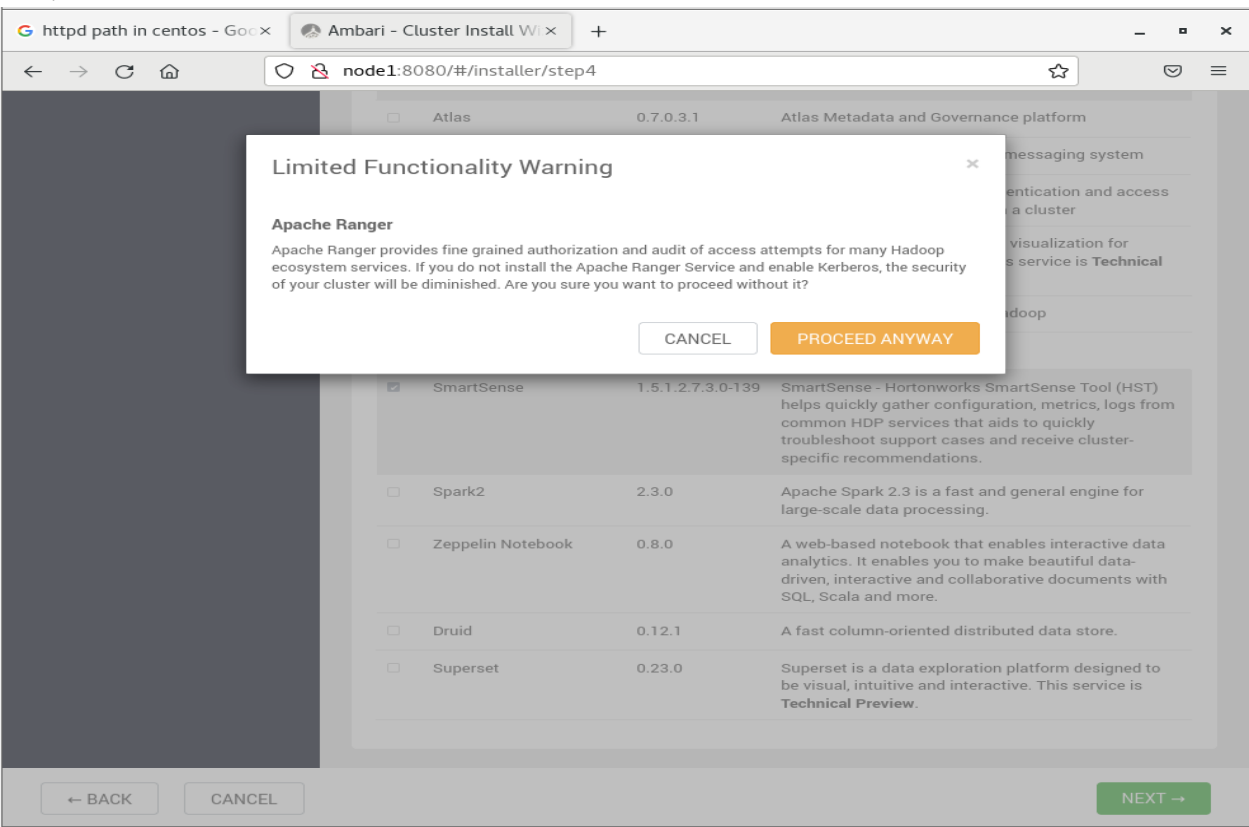


<input type="checkbox"/> Sqoop	1.4.7	Tool for transferring bulk data between Apache Hadoop and structured data stores such as relational databases
<input type="checkbox"/> Oozie	4.4.0	System for workflow coordination and execution of Apache Hadoop jobs. This also includes the installation of the optional Oozie Web Console which relies on and will install the ExtJS Library.
<input checked="" type="checkbox"/> ZooKeeper	3.4.9.3.1	Centralized service which provides highly reliable distributed coordination
<input type="checkbox"/> Storm	1.2.1	Apache Hadoop Stream processing framework
<input type="checkbox"/> Accumulo	1.7.0	Robust, scalable, high performance distributed key/value store.
<input type="checkbox"/> Infra Solr	0.1.0	Core shared service used by Ambari managed components.
<input checked="" type="checkbox"/> Ambari Metrics	0.1.0	A system for metrics collection that provides storage and retrieval capability for metrics collected from the cluster
<input type="checkbox"/> Atlas	0.7.0.3.1	Atlas Metadata and Governance platform
<input type="checkbox"/> Kafka	1.0.0.3.1	A high-throughput distributed messaging system
<input type="checkbox"/> Knox	0.5.0.3.1	Provides a single point of authentication and access for Apache Hadoop services in a cluster
<input type="checkbox"/> Log Search	0.5.0	Log aggregation, analysis, and visualization for Ambari managed services. This service is Technical Preview .
<input type="checkbox"/> Ranger	1.2.0.3.1	Comprehensive security for Hadoop
<input type="checkbox"/> Ranger KMS	1.2.0.3.1	Key Management Server
<input checked="" type="checkbox"/> SmartSense	1.5.1.2.7.3.0-139	SmartSense - Hortonworks SmartSense Tool (HST) helps quickly gather configuration, metrics, logs from common HDP services that aids to quickly

Step 15:-Then Click on NEXT



Step 16:- Click On PROCEED ANYWAY



Step 17:- Then see the configuration which is automatically taken.

Installer

admin

Assign Masters

Assign master components to hosts you want to run them on.

Get Started

Select Version

Install Options

Confirm Hosts

Choose Services

Assign Masters

Assign Slaves and Clients

Customize Services

Review

Install, Start and Test

Summary

NameNode: node1.bharat.com (15.5 GB, 4 cores)

SNameNode: node2.bharat.com (7.6 GB, 4 cores)

ResourceManager: node1.bharat.com (15.5 GB, 4 cores)

Timeline Service V2.0 Reader: node1.bharat.com (15.5 GB, 4 cores)

YARN Registry DNS: node1.bharat.com (15.5 GB, 4 cores)

Timeline Service V1.5: node2.bharat.com (7.6 GB, 4 cores)

History Server: node2.bharat.com (7.6 GB, 4 cores)

Hive Metastore: node2.bharat.com (7.6 GB, 4 cores)

HiveServer2: node2.bharat.com (7.6 GB, 4 cores)

ZooKeeper Server: node1.bharat.com (15.5 GB, 4 cores)

node1.bharat.com (15.5 GB, 4 cores)

NameNode

ResourceManager

Timeline Service V2.0 Reader

YARN Registry DNS

ZooKeeper Server

Metrics Collector

Grafana

Activity Explorer

HST Server

Activity Analyzer

node2.bharat.com (7.6 GB, 4 cores)

SNameNode

Timeline Service V1.5

History Server

Hive Metastore

HiveServer2

ZooKeeper Server

Step 18:- Then click NEXT

Timeline Service V1.5: node2.bharat.com (7.6 GB, 4 cores)

History Server: node2.bharat.com (7.6 GB, 4 cores)

Hive Metastore: node2.bharat.com (7.6 GB, 4 cores)

HiveServer2: node2.bharat.com (7.6 GB, 4 cores)

ZooKeeper Server: node1.bharat.com (15.5 GB, 4 cores)

ZooKeeper Server: node2.bharat.com (7.6 GB, 4 cores)

Metrics Collector: node1.bharat.com (15.5 GB, 4 cores)

Grafana: node1.bharat.com (15.5 GB, 4 cores)

Activity Explorer: node1.bharat.com (15.5 GB, 4 cores)

HST Server: node1.bharat.com (15.5 GB, 4 cores)

Activity Analyzer: node1.bharat.com (15.5 GB, 4 cores)

node2.bharat.com (7.6 GB, 4 cores)

SNameNode

Timeline Service V1.5

History Server

Hive Metastore

HiveServer2

ZooKeeper Server

Activity Analyzer

← BACK

CANCEL

NEXT →

Step 19:- Then select all DataNode, all NodeManager and all Client.And click NEXT.

Installer

admin

Assign Slaves and Clients

Assign slave and client components to hosts you want to run them on.
Hosts that are assigned master components are shown with *.
"Client" will install HDFS Client, YARN Client, MapReduce2 Client, Tez Client, Hive Client, Pig Client and ZooKeeper Client.

Host	all	none	all	none	all	none	all	none
node1.bharat.com*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
node2.bharat.com*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Items per page: 25 1 - 2 of 2

← BACK CANCEL NEXT →

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Step 20:- Then give the password.

	Username	Password	Confirm Password
Grafana Admin-	admin	grafana	grafana
Hive Database	hive	hive	hive
Activity Explorer's	N/A	admin	admin

Installer

admin

ALL CONFIGURATIONS

Please provide credentials for these services

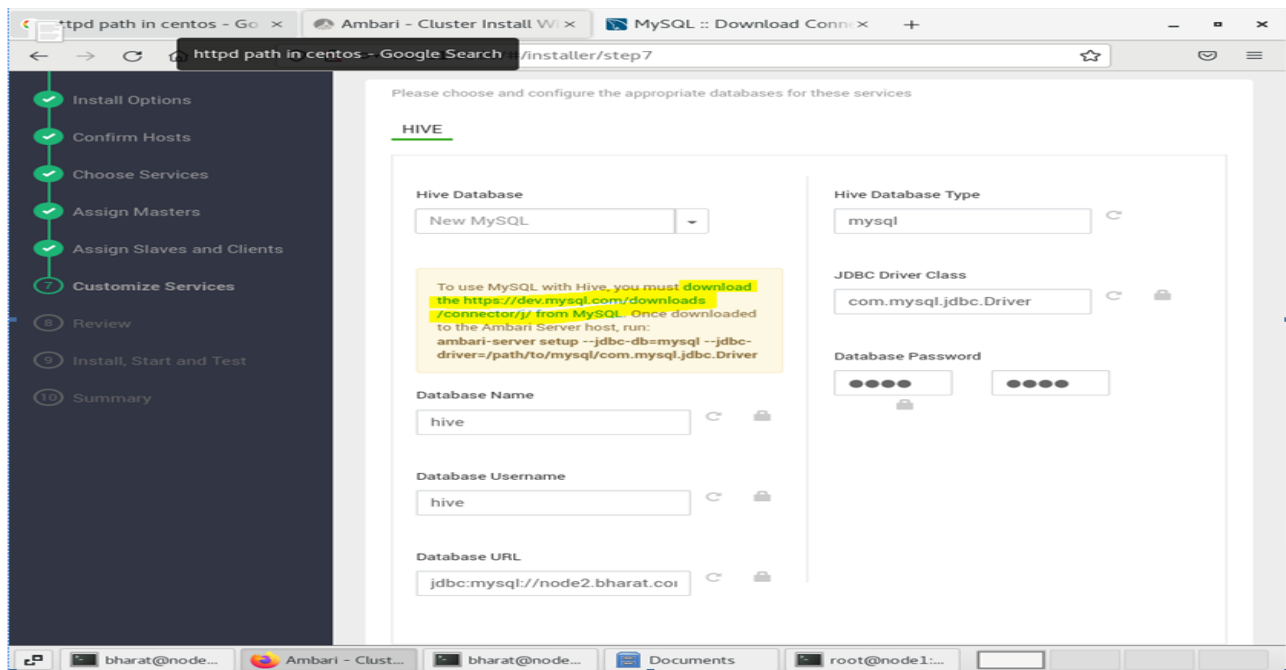
	Username*	Password*	Confirm Password*
Grafana Admin	admin	••••••••	••••••••
Hive Database	hive	••••	••••
Activity Explorer's Admin	N/A	••••••	••••••

← BACK CANCEL NEXT →

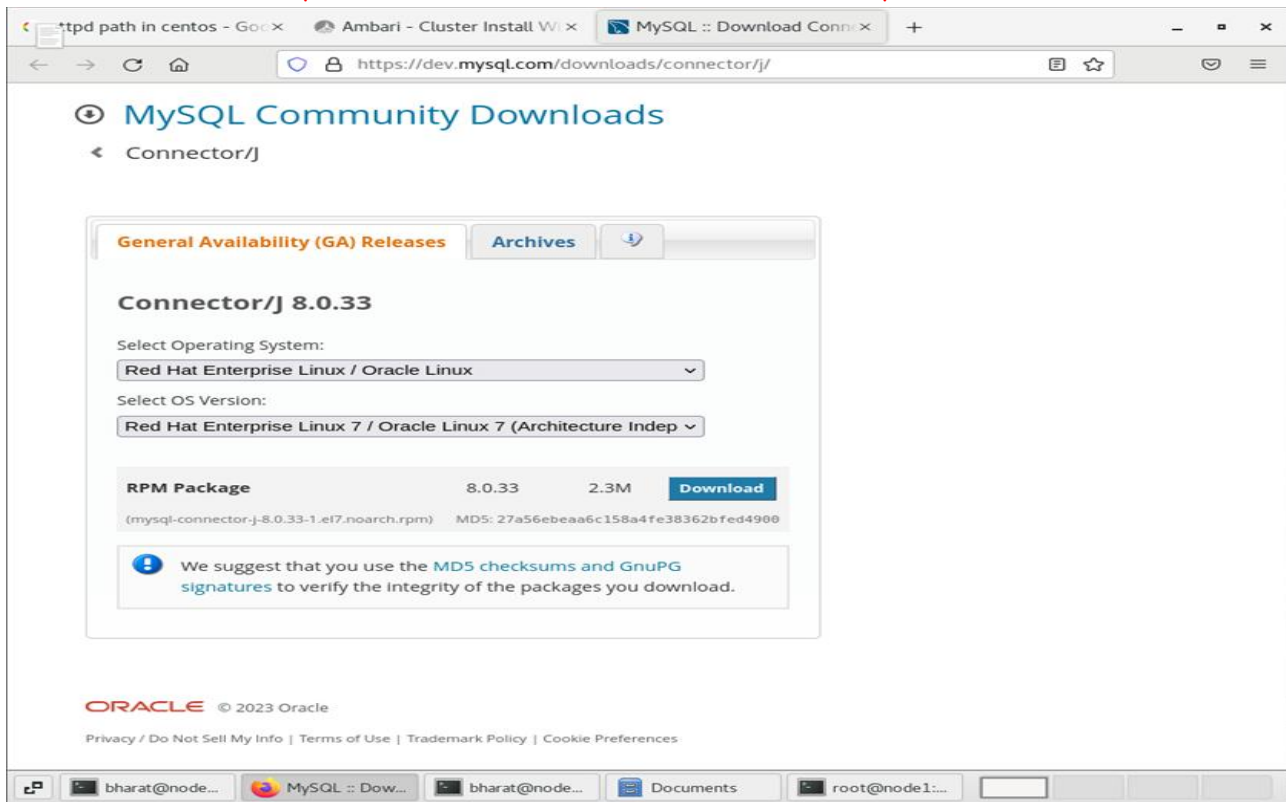
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Step 21:- Then copy this Path and paste on notepad for future installation.

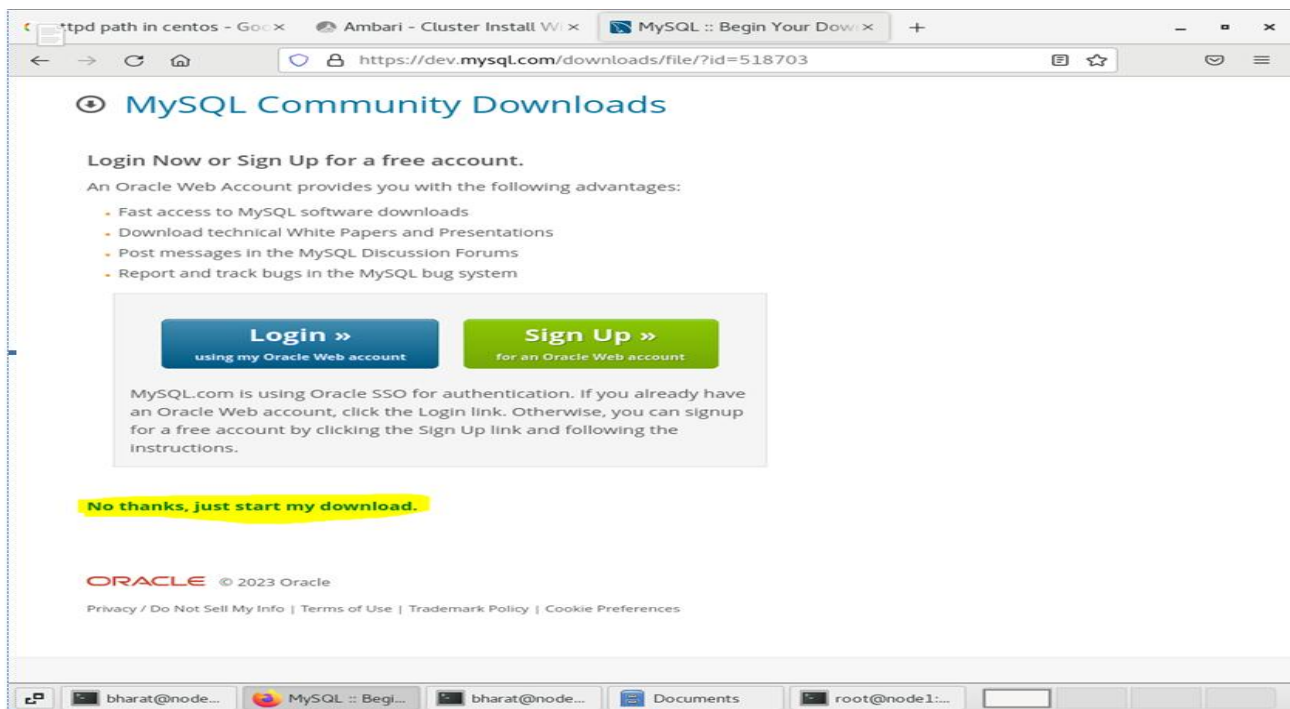
Copied Path :- `ambari-server setup --jdbc-db=mysql --jdbc-driver=`



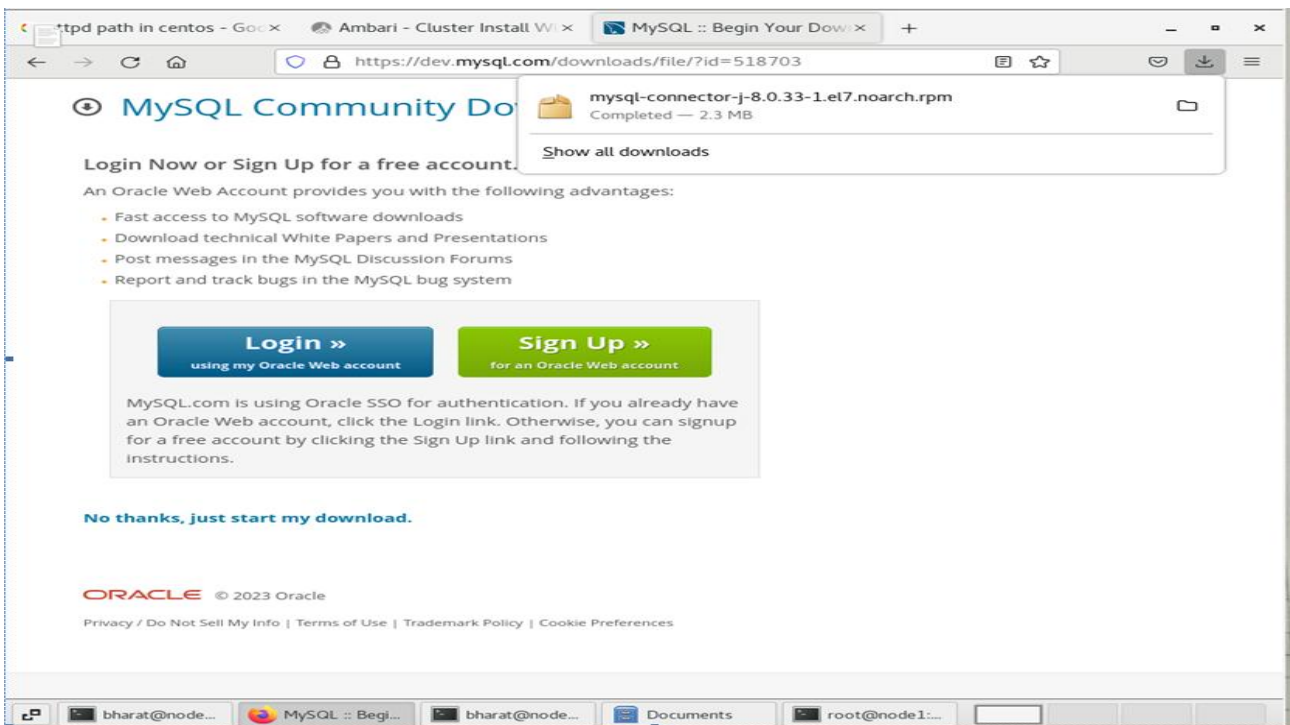
Step22:-Then select below options.Select OS: - Red Hat Enterprise Linux/Oracle LinuxSelect OS Version:- Red Hat Enterprise Linux 7/Oracle Linux7(Architecture indep)



Step 24:-Click on **No thanks, just start my download**



Step 25:-Download **mysql-connector**



Step 26:-After that go to the terminal and execute below command.

Execute in root user only

1) `rpm -i /home/bharat/Downloads/mysql-connector-j-8.0.33-1.el7.noarch.rpm`

2) `ambari-server setup --jdbc-db=mysql --jdbc-driver=/usr/share/java/mysql-connector-java.jar`

Note:-

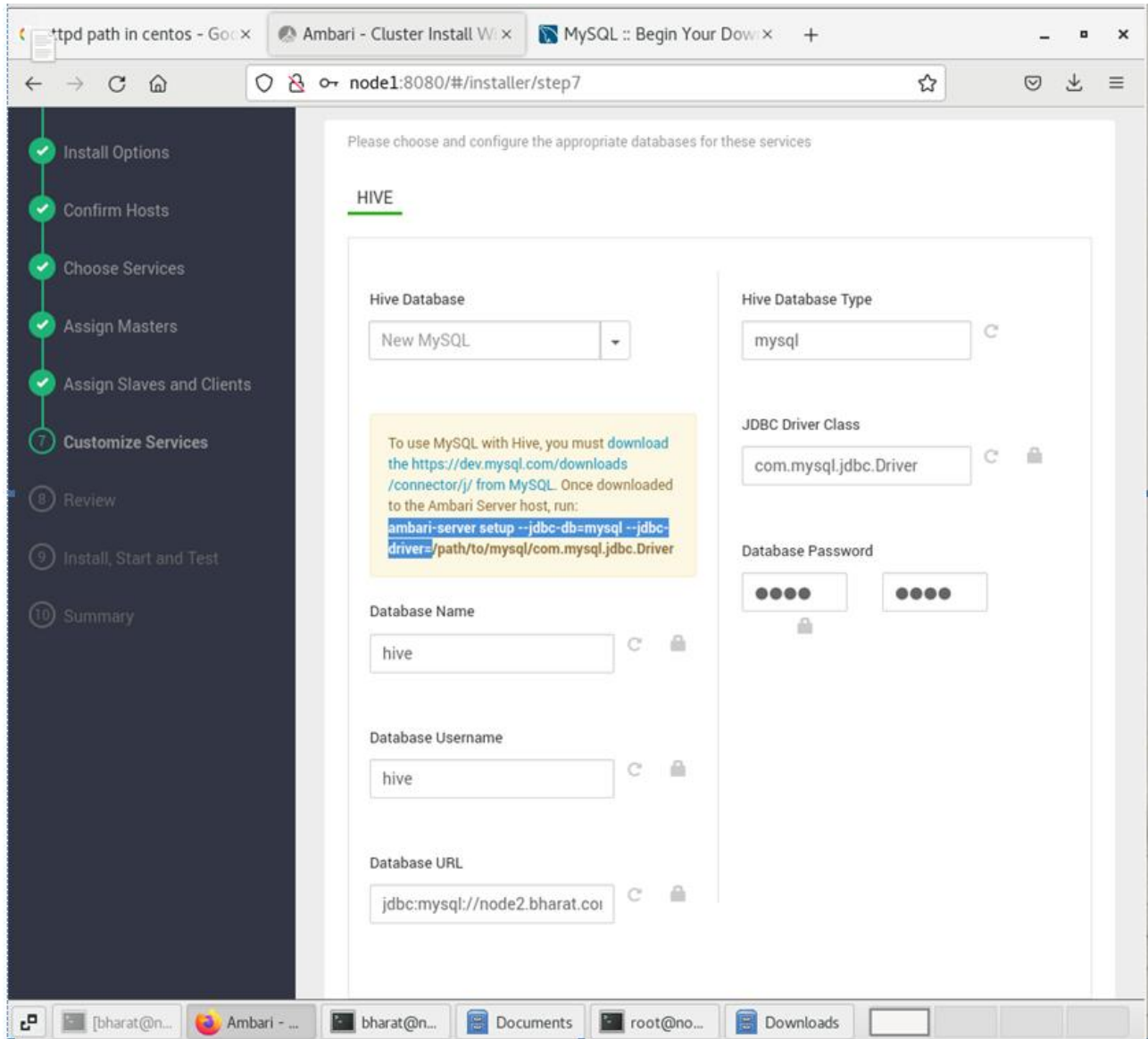
1) Copied this command in installation process please refer above screenshot .

`ambari-server setup --jdbc-db=mysql --jdbc-driver=`

2) This is jar file path.

`/usr/share/java/mysql-connector-java.jar`

Step 27:- Then see the next step.



Step28:-Then click NEXT

Ambari - Cluster Install W... MySQL :: Begin Your Down...

node1:8080/#/installer/step7

Assign Slaves and Clients

7 Customize Services

8 Review

9 Install, Start and Test

10 Summary

To use MySQL with Hive, you must download the <https://dev.mysql.com/downloads/connector/j/> from MySQL. Once downloaded to the Ambari Server host, run:
ambari-server setup --jdbc-db=mysql --jdbc-driver=/path/to/mysql/com.mysql.jdbc.Driver

JDBC Driver Class
com.mysql.jdbc.Driver

Database Name
hive

Database Username
hive

Database Password
[password fields]

Database URL
jdbc:mysql://node2.bharat.coi

← BACK CANCEL NEXT →

Step29:- See Next Step

Ambari - Cluster Install W... MySQL :: Begin Your Down...

node1:8080/#/installer/step7

Installer

admin

CREDENTIALS DATABASES DIRECTORIES ACCOUNTS

ALL CONFIGURATIONS

HDFS YARN MAPREDUCE2 TEZ HIVE ZOOKEEPER AMBARI METRICS

DATA DIRS

DataNode directories
/hadoop/hdfs/data

NameNode directories
/hadoop/hdfs/namenode

SecondaryNameNode Checkpoint directories
/hadoop/hdfs/namesecondary

NESGateway dump directory

← BACK CANCEL NEXT →

Step30:-Then click NEXT.

The screenshot shows the Ambari Cluster Install Wizard at step 7. The left sidebar is dark blue with a vertical list of steps: Select Version, Install Options, Confirm Hosts, Choose Services, Assign Masters, Assign Slaves and Clients, Customize Services (highlighted with a green circle and number 7), Review, Install, Start and Test, and Summary. The main content area is white and contains the following fields:

- JournalNode Edits directory: /hadoop/hdfs/journalnode
- NameNode Checkpoint Edits directory: \${dfs.namenode.checkpoint.dir}
- LOG DIRS section:
 - Hadoop Log Dir Prefix: /var/log/hadoop
- PID DIRS section:
 - Hadoop PID Dir Prefix: /var/run/hadoop

At the bottom, there are three buttons: BACK, CANCEL, and NEXT (highlighted in green).

Step31:- Then again click NEXT.

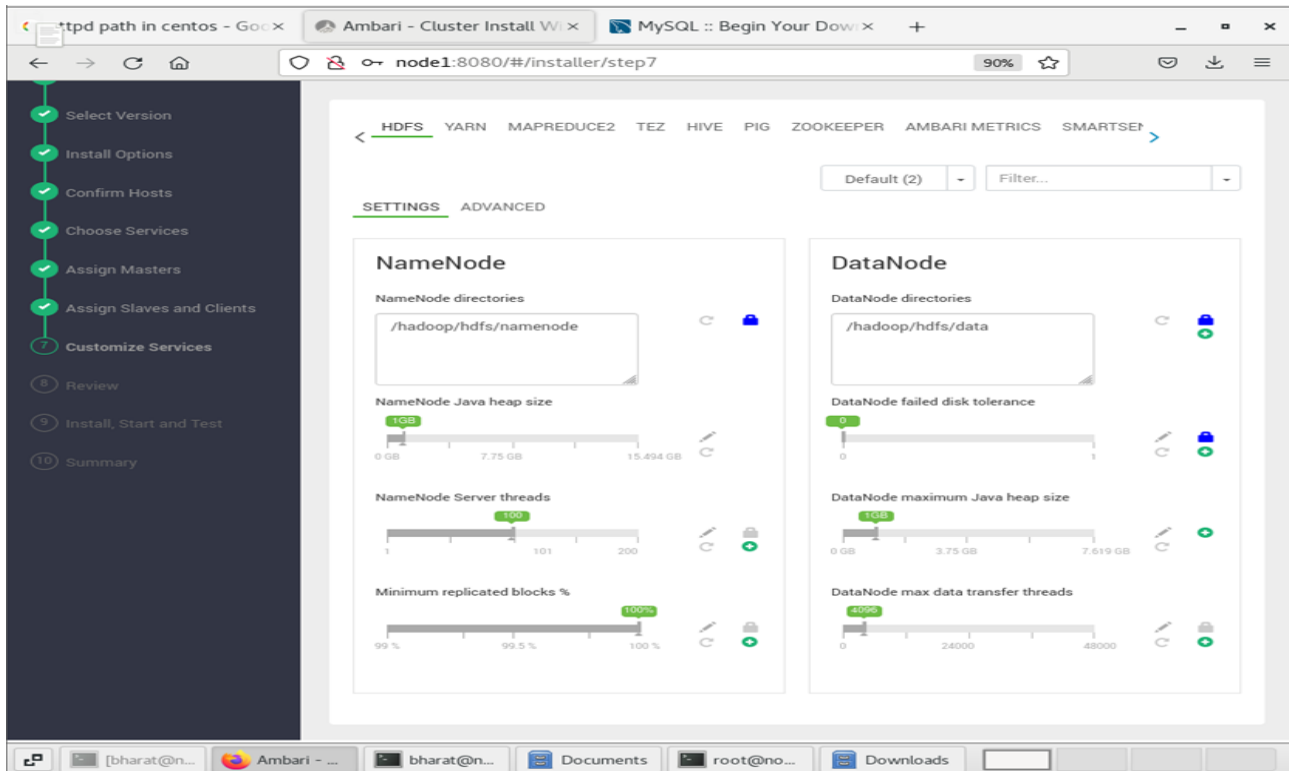
The screenshot shows the Ambari Cluster Install Wizard at step 7. The left sidebar is dark blue with a vertical list of steps: Select Version, Install Options, Confirm Hosts, Choose Services, Assign Masters, Assign Slaves and Clients, Customize Services (highlighted with a green circle and number 7), Review, Install, Start and Test, and Summary. The main content area is white and contains the following fields:

- Please review these settings for Service Accounts:
 - ☒ Use Ambari to Manage Service Accounts and Groups
 - ☒ Use Ambari to Manage Group Memberships
 - ☒ Use Ambari to Manage Service Accounts UID's
- Users/Groups section:

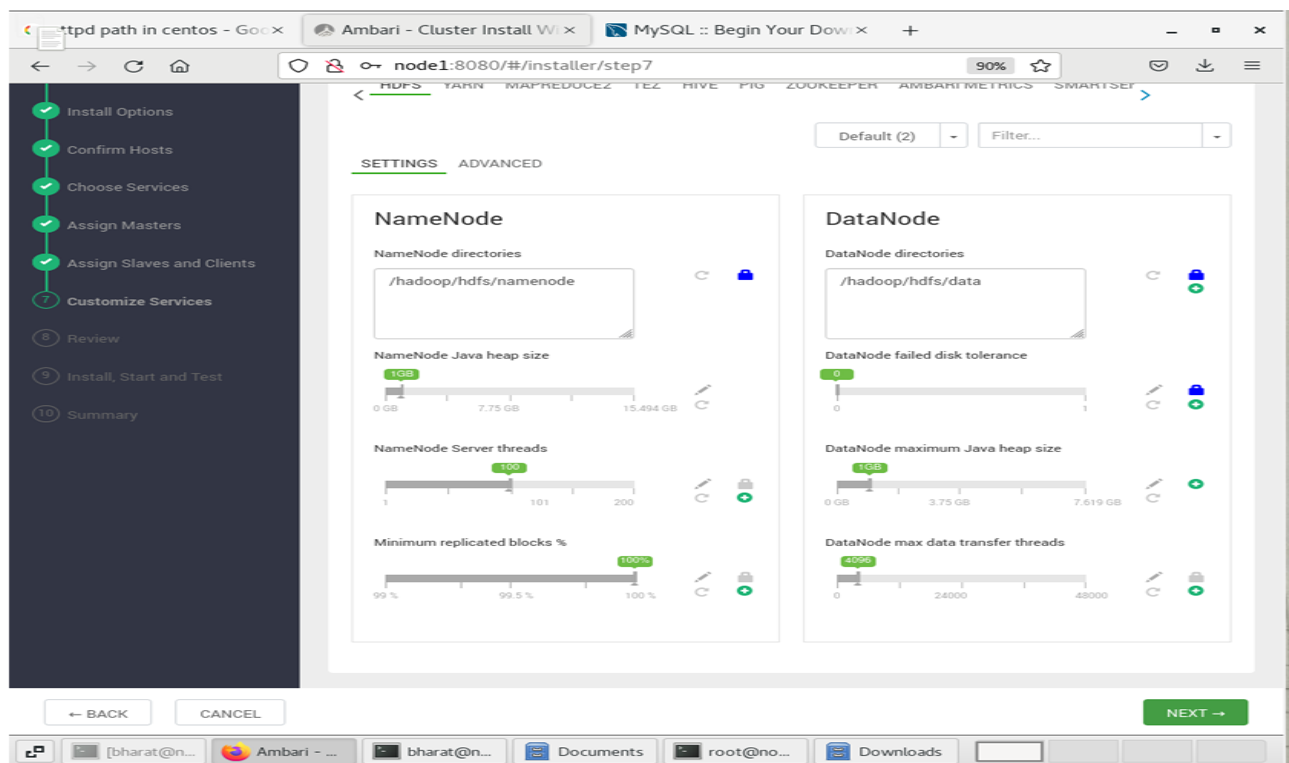
Users/Groups	Username
Smoke User	ambari-qa
Hadoop Group	hadoop
Ambari Metrics User	ams
HDFS User	hdfs
Proxy User Group	users
Hive User	hive
Mapreduce User	mapred
Tez User	tez
Yarn ATS User	yarn-ats
Yarn User	yarn
ZooKeeper User	zookeeper

At the bottom, there are three buttons: BACK, CANCEL, and NEXT (highlighted in green).

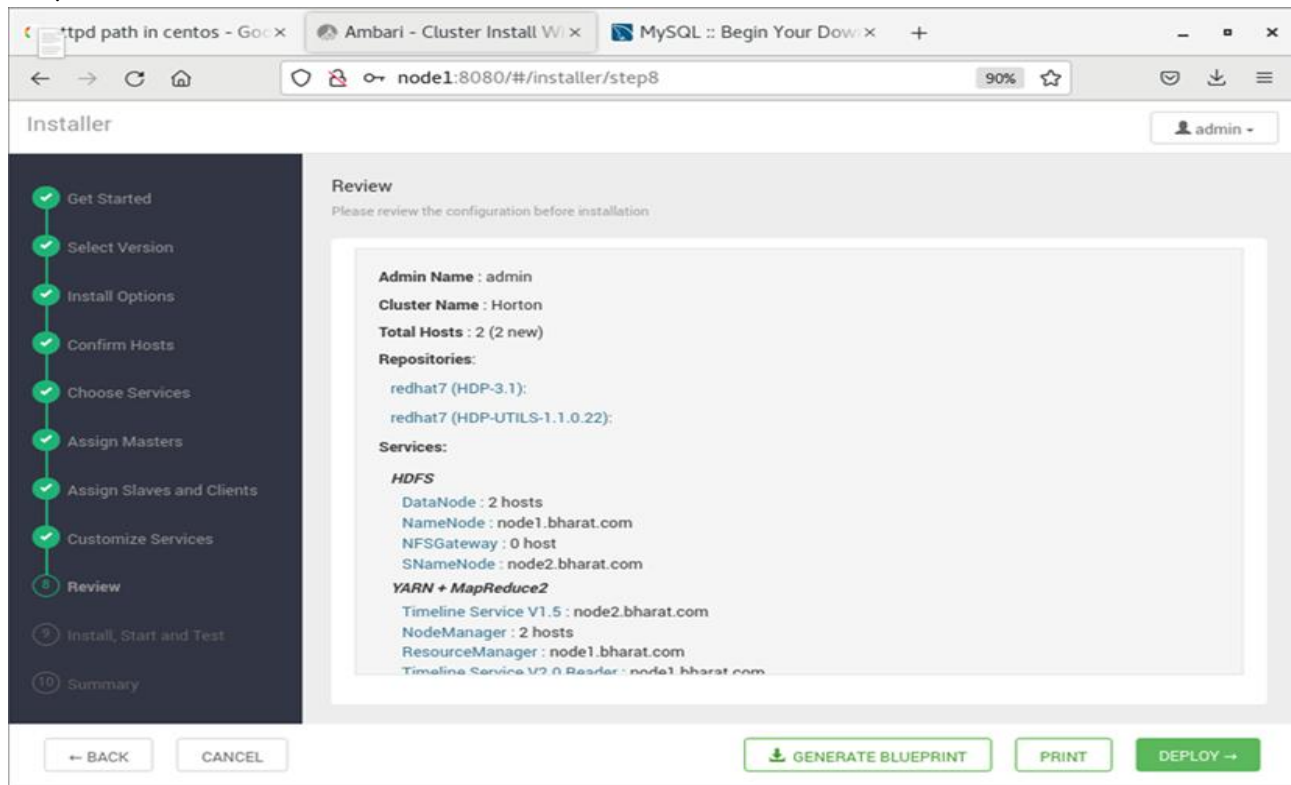
Step32:- Scroll Down



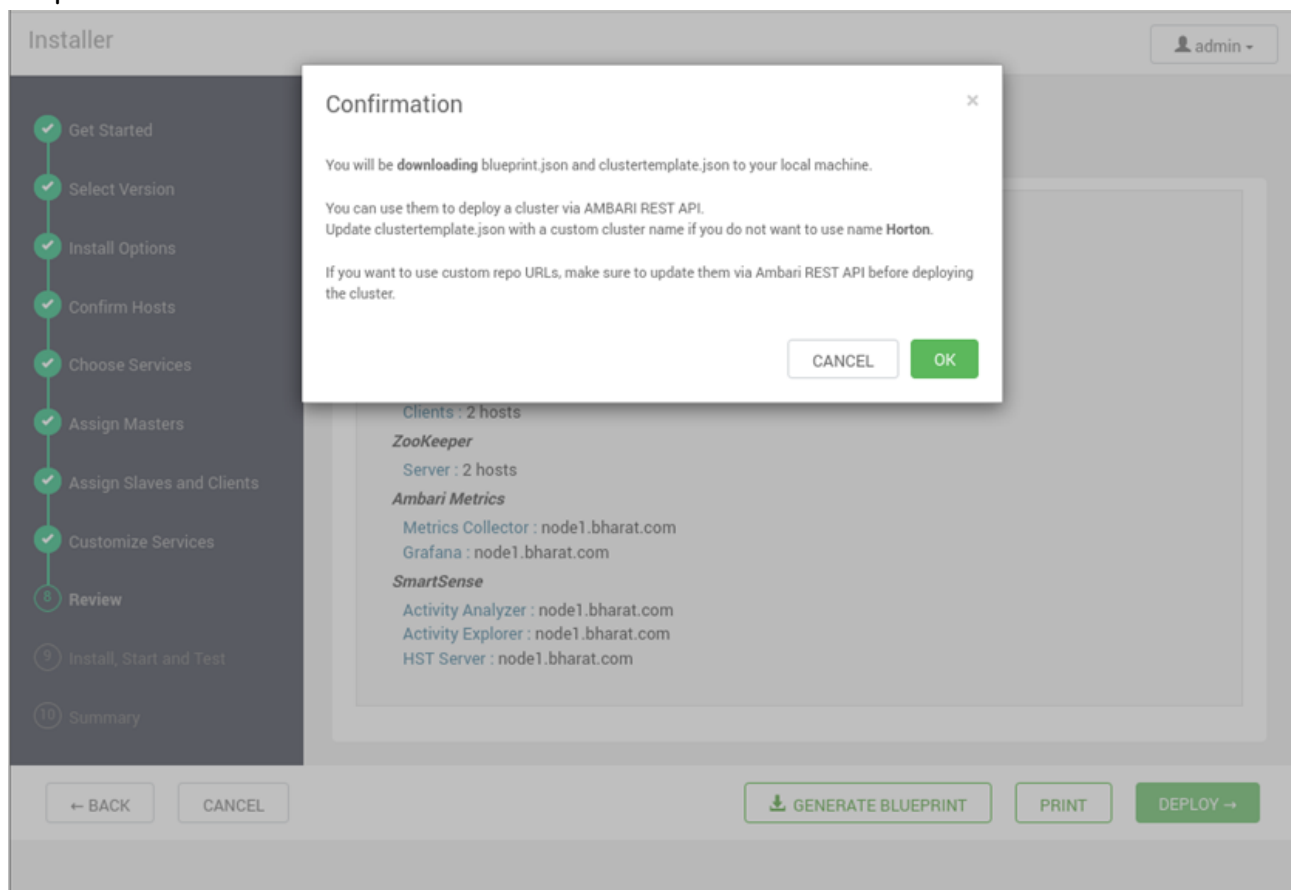
Step33:- Then click NEXT.



Step34:- Click on DEPLOY.



Step35: Click on OK.



Step36: Click on NEXT.

Installer

hortonadmin

Get Started

Select Version

Install Options

Confirm Hosts

Choose Services

Assign Masters

Assign Slaves and Clients

Customize Services

Review

Install, Start and Test

Summary

Install, Start and Test

Please wait while the selected services are installed and started.

100 % overall

Show: All (2) | In Progress (0) | Warning (2) | Success (0) | Fail (0)

Host	Status	Message
node1.bharat.com	100%	Warnings encountered
node2.bharat.com	100%	Warnings encountered

Items per page: 25 1 - 2 of 2

Installed and started the services with some warnings.

NEXT →

Step37:- Click on COMPLETE.

node1:8080/#/installer/step10

CentosWikiDocumentationForums

Installer

hortonadmin

Get Started

Select Version

Install Options

Confirm Hosts

Choose Services

Assign Masters

Assign Slaves and Clients

Customize Services

Review

Install, Start and Test

Summary

Summary

Here is the summary of the install process.

The cluster consists of 2 hosts

2 warnings

Master services installed

SNameNode installed on node2.bharat.com

NameNode installed on node1.bharat.com

ResourceManager installed on node1.bharat.com

History Server installed on node2.bharat.com

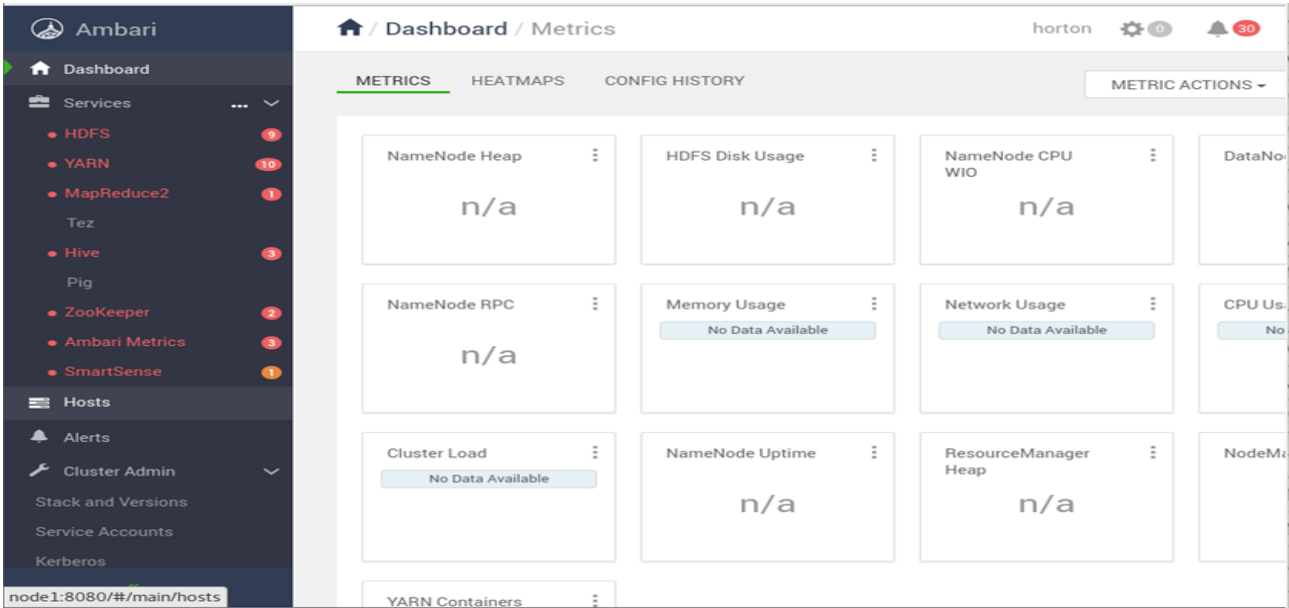
HiveServer2 installed on node2.bharat.com

Starting services failed

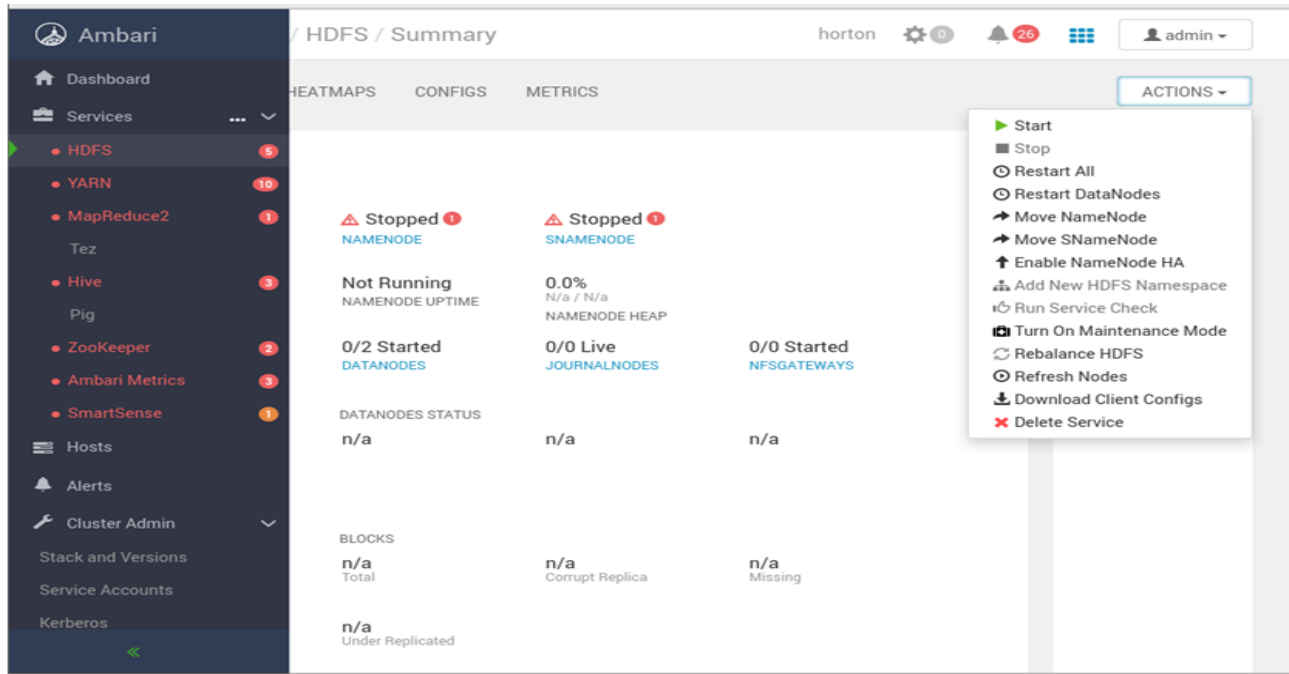
COMPLETE →

18 | Page

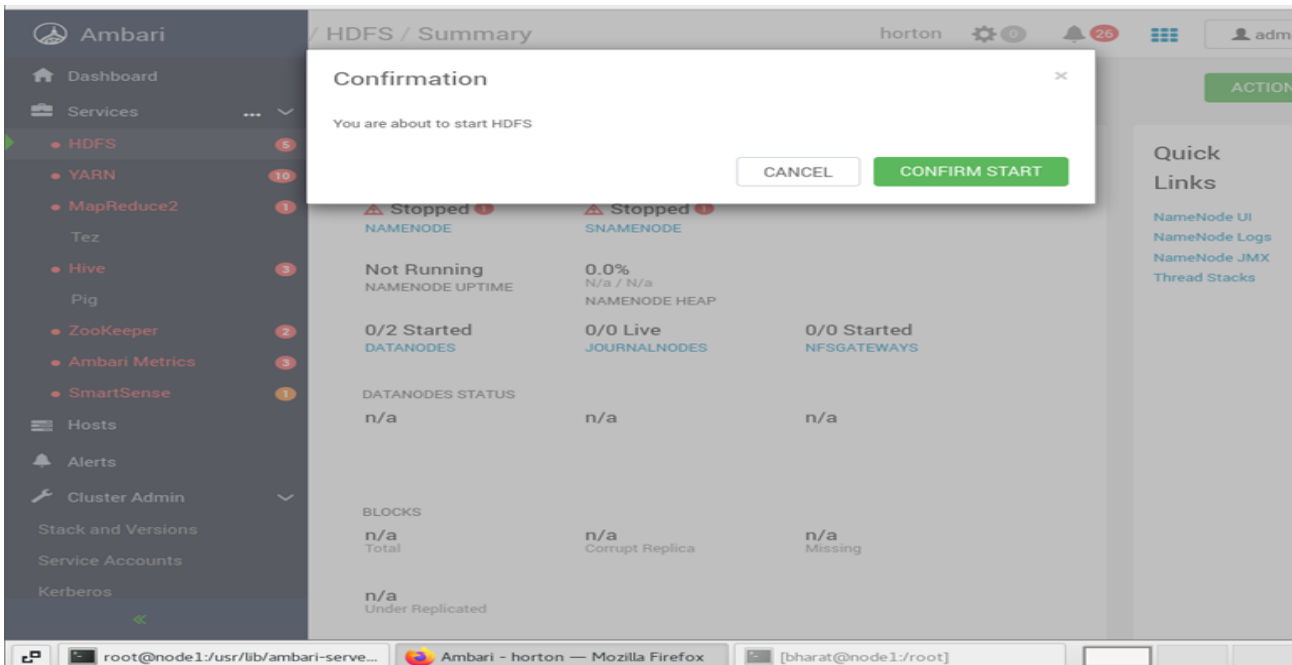
Step38:- See the Dashboard.



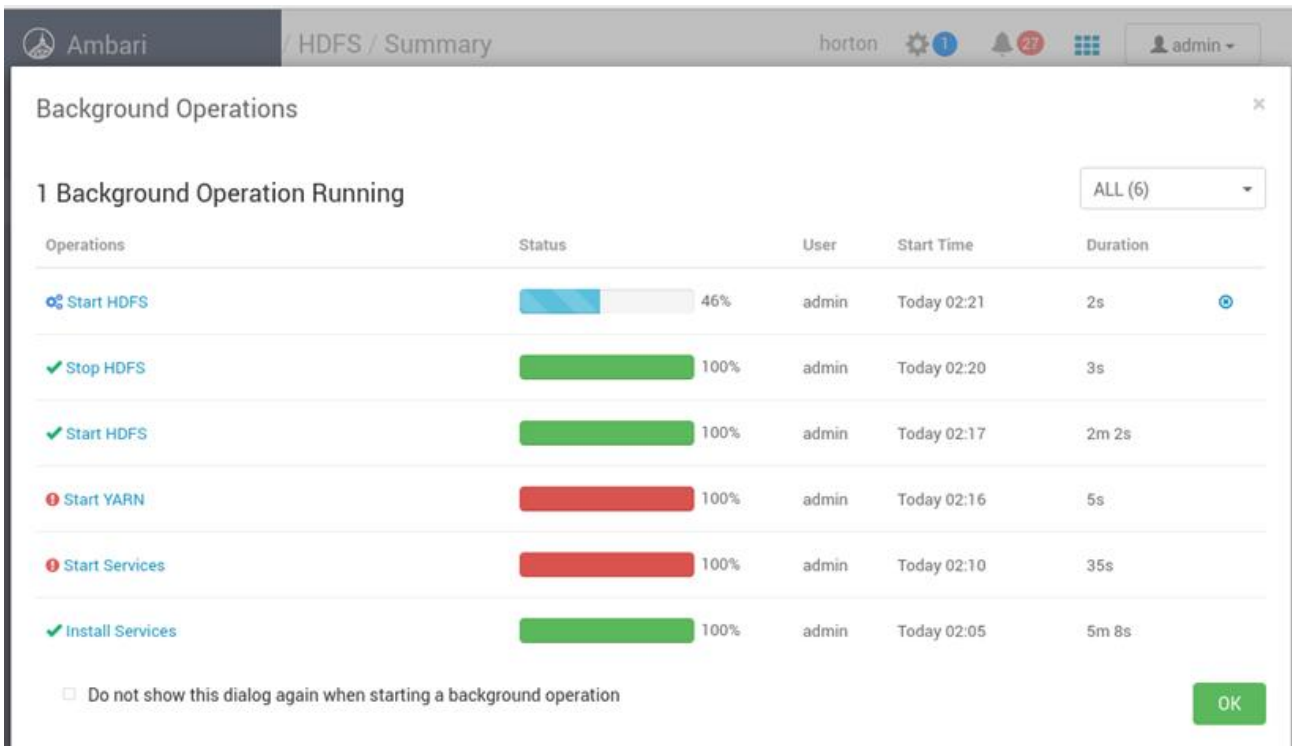
Step39:-Select HDFS and click on action button then start the services.



Step40:- Click on CONFIRM START.



Step41:- See Only.



Step42:- Select YARN and click on ACTION button and start services.

The screenshot shows the Ambari web interface for the YARN Summary page. The left sidebar contains navigation links for Dashboard, Services, HDFS, YARN, MapReduce2, Tez, Hive, Pig, ZooKeeper, Ambari Metrics, SmartSense, Hosts, Alerts, Cluster Admin, Stack and Versions, Service Accounts, and Kerberos. The main content area displays the status of various YARN services: TIMELINE SERVICE V1.5 (Stopped), RESOURCEMANAGER (Stopped), TIMELINE SERVICE V2.0 READER (Stopped), YARN REGISTRY DNS (Stopped), NODEMANAGERS (0/2 Started), and YARN CLIENTS (2 Installed). A dropdown menu titled 'ACTIONS' is open, showing options: Start, Stop, Refresh YARN Capacity Scheduler, Restart All, Restart NodeManagers, Move Timeline Service V1.5, Move ResourceManager, Move Timeline Service V2.0 Reader, Move YARN Registry DNS, Enable ResourceManager HA, Run Service Check, Turn On Maintenance Mode, Download Client Configs, and Delete Service.

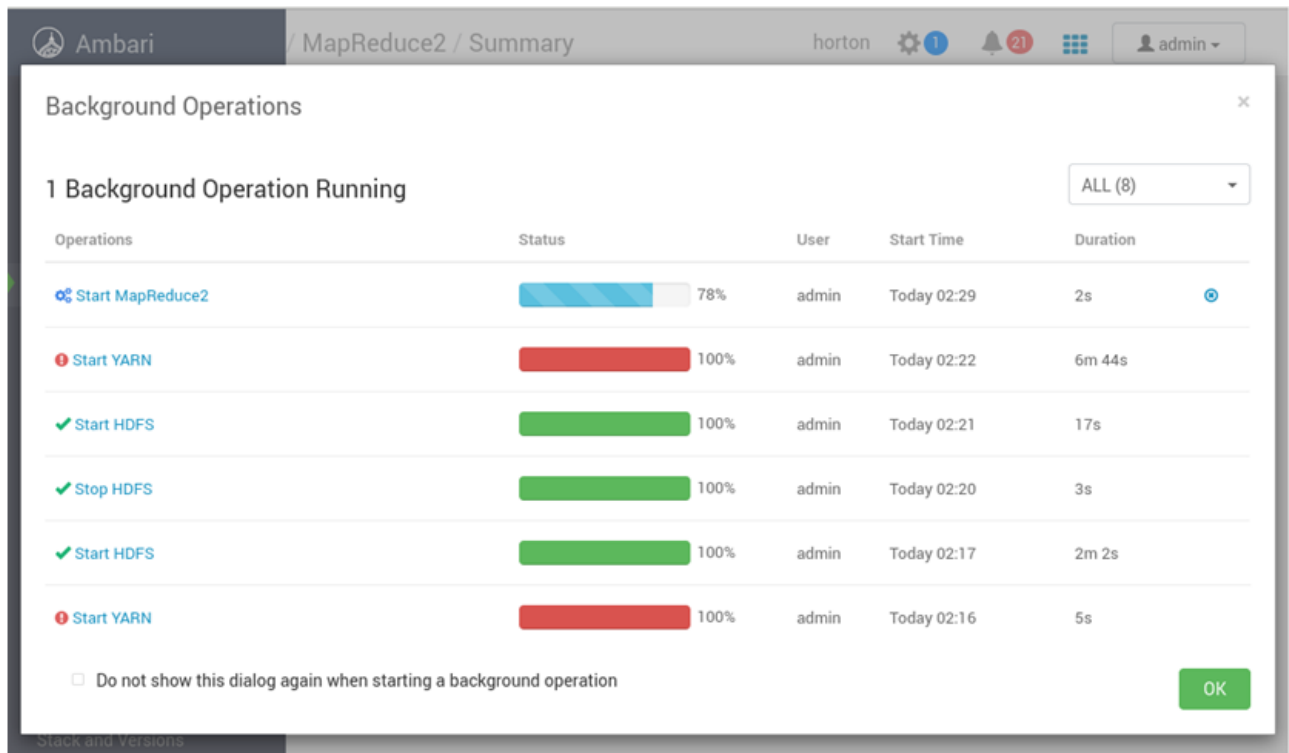
Step43:-YARN→ Click on OK.

The screenshot shows the 'Background Operations' dialog box in the Ambari web interface. It displays a table of background operations with columns for Operations, Status, User, Start Time, and Duration. The table shows one operation running: 'Start YARN' with a status of 44%. Other operations listed include 'Start HDFS', 'Stop HDFS', 'Start HDFS', 'Start YARN', and 'Start Services', all with a status of 100%. The dialog box has a checkbox for 'Do not show this dialog again when starting a background operation' and an 'OK' button.

Operations	Status	User	Start Time	Duration
Start YARN	44%	admin	Today 02:22	6s
Start HDFS	100%	admin	Today 02:21	17s
Stop HDFS	100%	admin	Today 02:20	3s
Start HDFS	100%	admin	Today 02:17	2m 2s
Start YARN	100%	admin	Today 02:16	5s
Start Services	100%	admin	Today 02:10	35s

After that do the all reaming process same for all module.

Step44:- MapReduce2

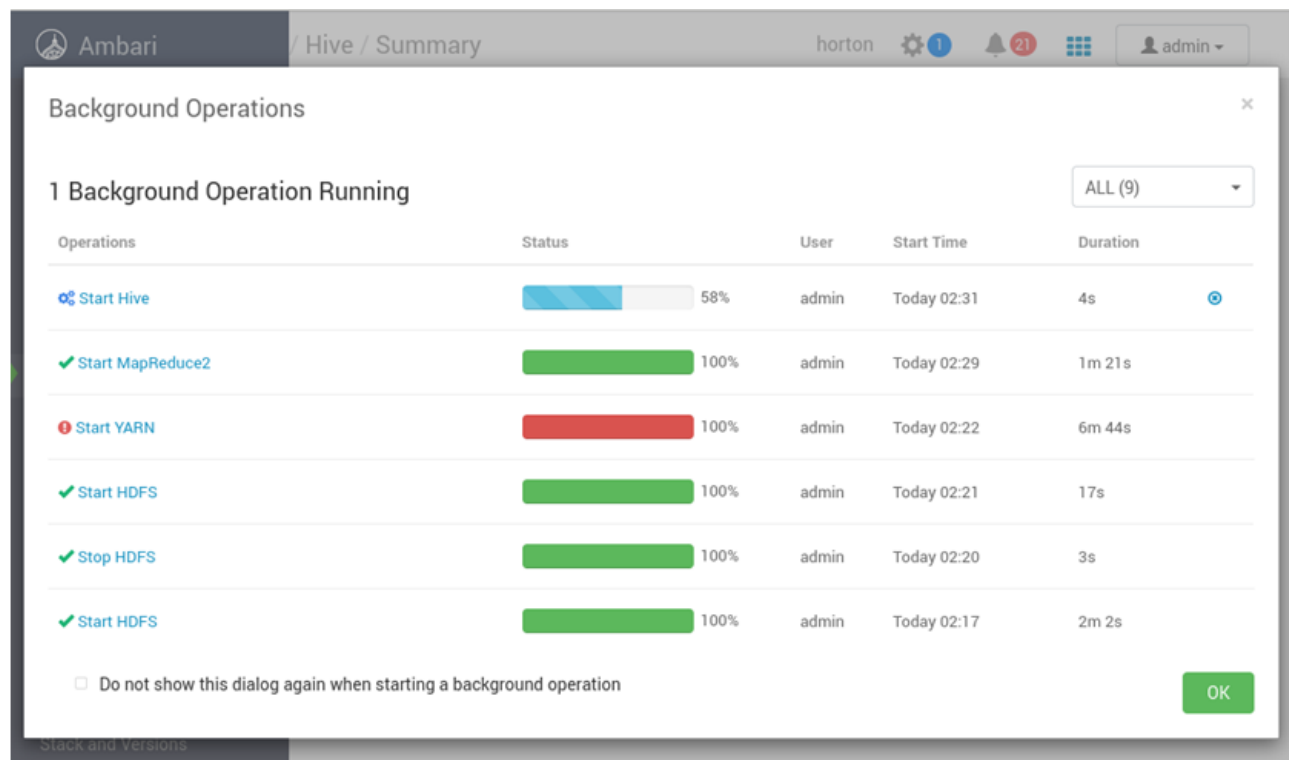


The screenshot shows the Ambari interface for the MapReduce2 Summary page. A 'Background Operations' dialog box is open, displaying a list of operations. The dialog has a title bar with a close button (X). Below the title, it says '1 Background Operation Running' and a dropdown menu showing 'ALL (8)'. The operations are listed in a table with columns: Operations, Status, User, Start Time, and Duration. The first operation, 'Start MapReduce2', is in progress (78% complete). Other operations like 'Start YARN', 'Start HDFS', and 'Stop HDFS' are completed (100%). At the bottom of the dialog, there is a checkbox 'Do not show this dialog again when starting a background operation' and an 'OK' button.

Operations	Status	User	Start Time	Duration
Start MapReduce2	78%	admin	Today 02:29	2s
Start YARN	100%	admin	Today 02:22	6m 44s
Start HDFS	100%	admin	Today 02:21	17s
Stop HDFS	100%	admin	Today 02:20	3s
Start HDFS	100%	admin	Today 02:17	2m 2s
Start YARN	100%	admin	Today 02:16	5s

☐ Do not show this dialog again when starting a background operation OK

Step45:-Hive

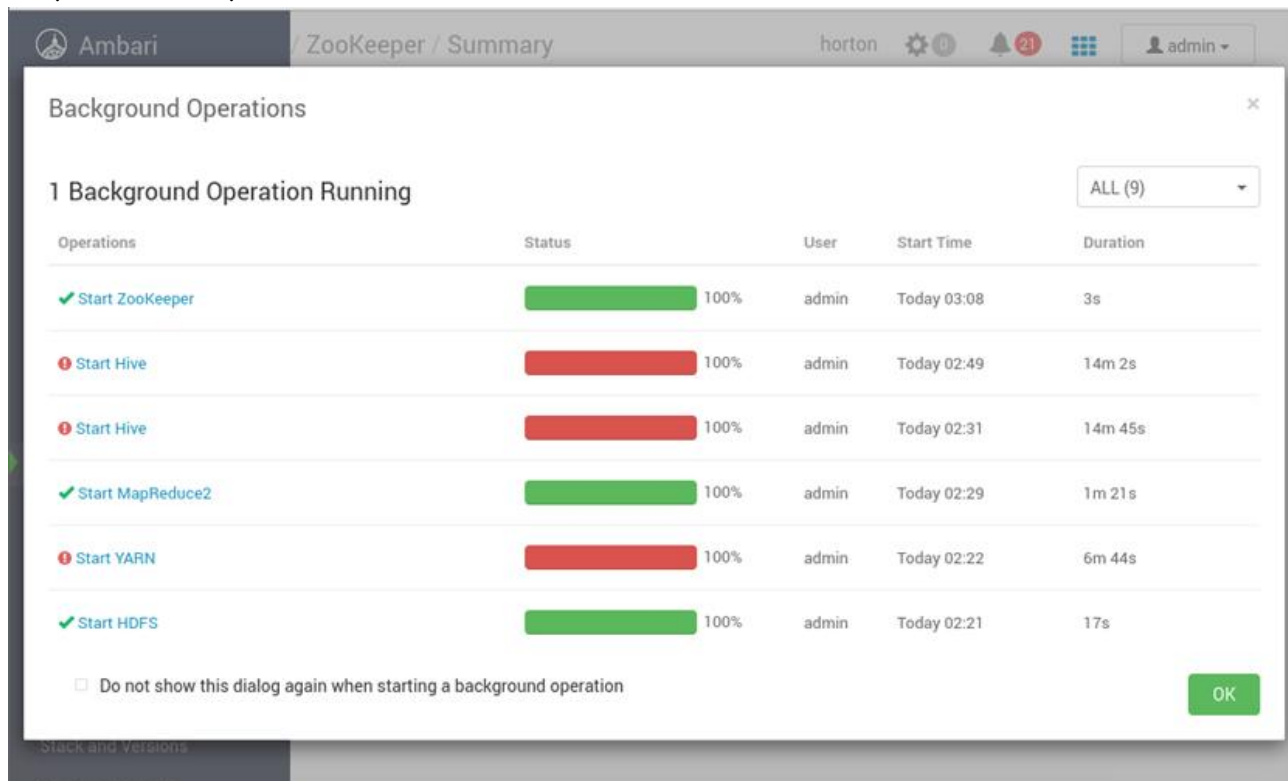


The screenshot shows the Ambari interface for the Hive Summary page. A 'Background Operations' dialog box is open, displaying a list of operations. The dialog has a title bar with a close button (X). Below the title, it says '1 Background Operation Running' and a dropdown menu showing 'ALL (9)'. The operations are listed in a table with columns: Operations, Status, User, Start Time, and Duration. The first operation, 'Start Hive', is in progress (58% complete). Other operations like 'Start MapReduce2', 'Start YARN', 'Start HDFS', and 'Stop HDFS' are completed (100%). At the bottom of the dialog, there is a checkbox 'Do not show this dialog again when starting a background operation' and an 'OK' button.

Operations	Status	User	Start Time	Duration
Start Hive	58%	admin	Today 02:31	4s
Start MapReduce2	100%	admin	Today 02:29	1m 21s
Start YARN	100%	admin	Today 02:22	6m 44s
Start HDFS	100%	admin	Today 02:21	17s
Stop HDFS	100%	admin	Today 02:20	3s
Start HDFS	100%	admin	Today 02:17	2m 2s

☐ Do not show this dialog again when starting a background operation OK

Step46:-ZooKeeper

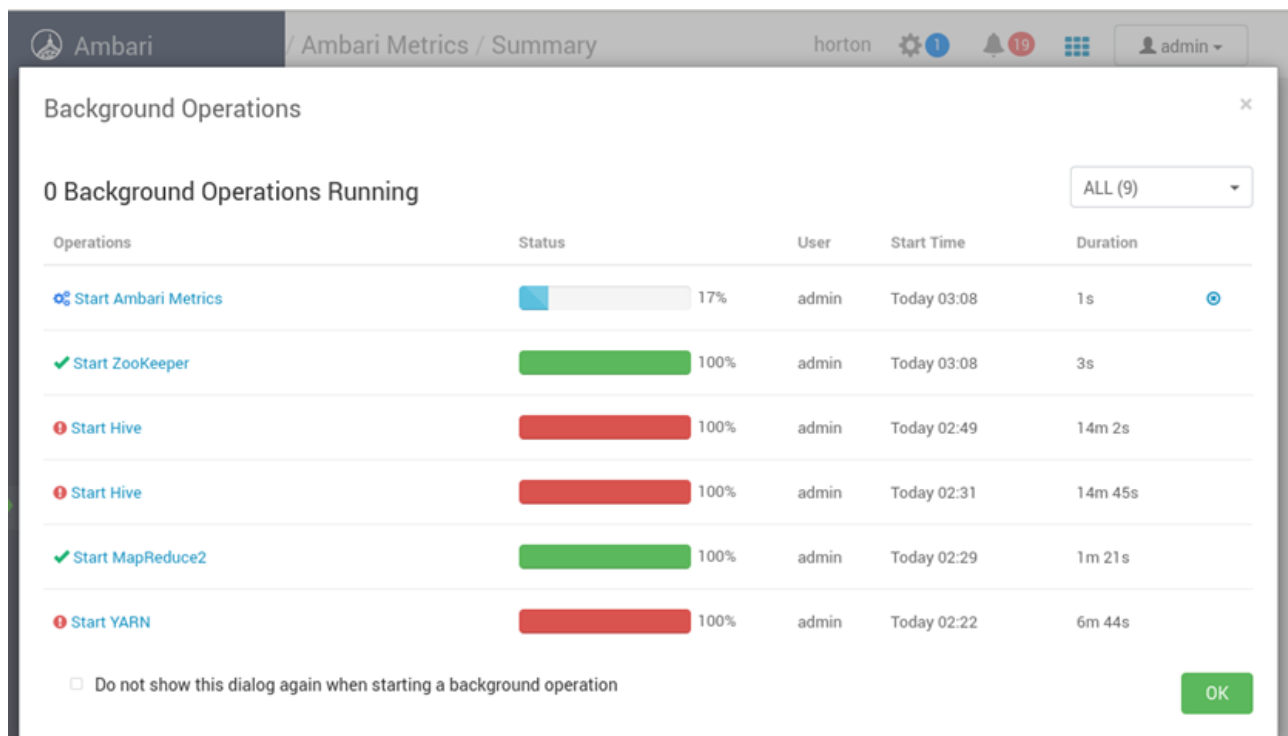


The screenshot shows the Ambari interface for the ZooKeeper Summary page. A modal window titled "Background Operations" is open, displaying a list of operations. The header indicates "1 Background Operation Running". The table lists operations with their status, user, start time, and duration. The "Start ZooKeeper" operation is highlighted with a green checkmark and a green progress bar at 100%. Other operations like "Start Hive", "Start MapReduce2", "Start YARN", and "Start HDFS" are shown with red progress bars at 100%.

Operations	Status	User	Start Time	Duration
✓ Start ZooKeeper	100%	admin	Today 03:08	3s
ⓘ Start Hive	100%	admin	Today 02:49	14m 2s
ⓘ Start Hive	100%	admin	Today 02:31	14m 45s
✓ Start MapReduce2	100%	admin	Today 02:29	1m 21s
ⓘ Start YARN	100%	admin	Today 02:22	6m 44s
✓ Start HDFS	100%	admin	Today 02:21	17s

☐ Do not show this dialog again when starting a background operation OK

Step47:-Ambari Metrics

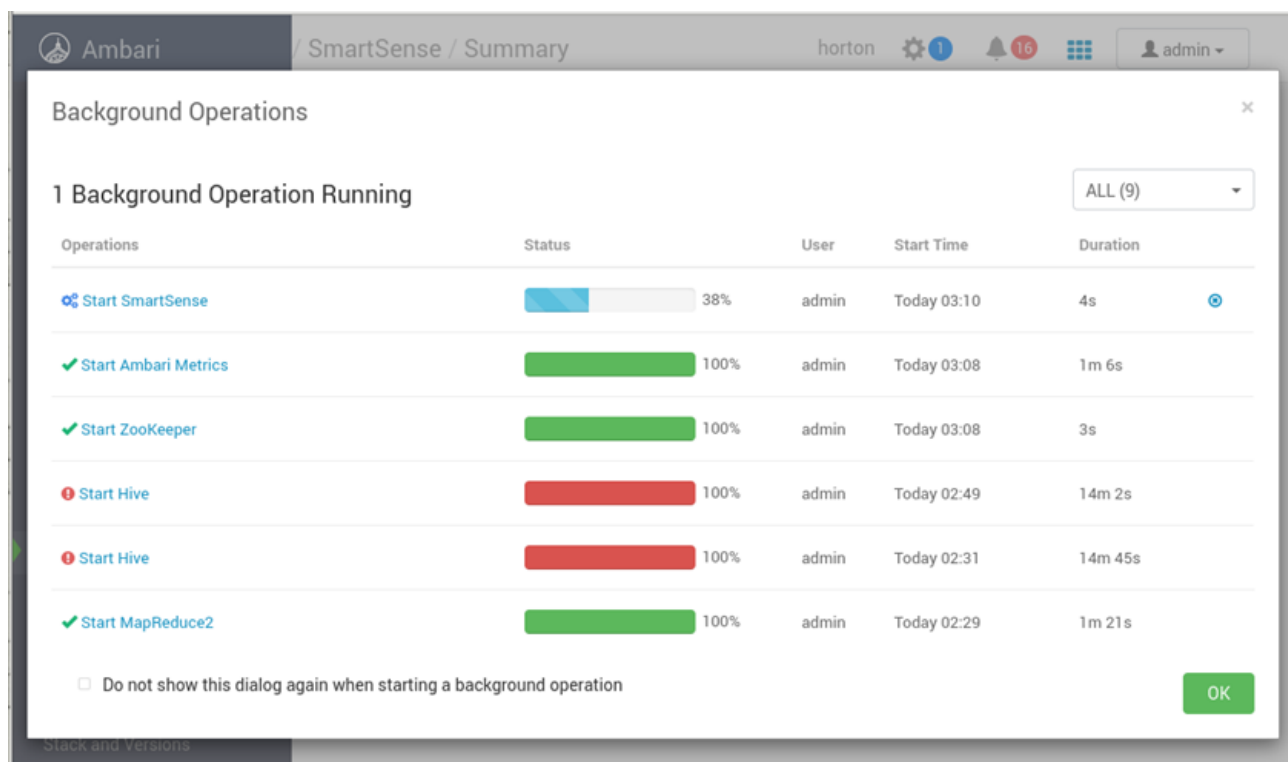


The screenshot shows the Ambari interface for the Ambari Metrics Summary page. A modal window titled "Background Operations" is open, displaying a list of operations. The header indicates "0 Background Operations Running". The table lists operations with their status, user, start time, and duration. The "Start Ambari Metrics" operation is highlighted with a blue progress bar at 17%. Other operations like "Start ZooKeeper", "Start Hive", "Start MapReduce2", and "Start YARN" are shown with red progress bars at 100%.

Operations	Status	User	Start Time	Duration
⚙ Start Ambari Metrics	17%	admin	Today 03:08	1s
✓ Start ZooKeeper	100%	admin	Today 03:08	3s
ⓘ Start Hive	100%	admin	Today 02:49	14m 2s
ⓘ Start Hive	100%	admin	Today 02:31	14m 45s
✓ Start MapReduce2	100%	admin	Today 02:29	1m 21s
ⓘ Start YARN	100%	admin	Today 02:22	6m 44s

☐ Do not show this dialog again when starting a background operation OK

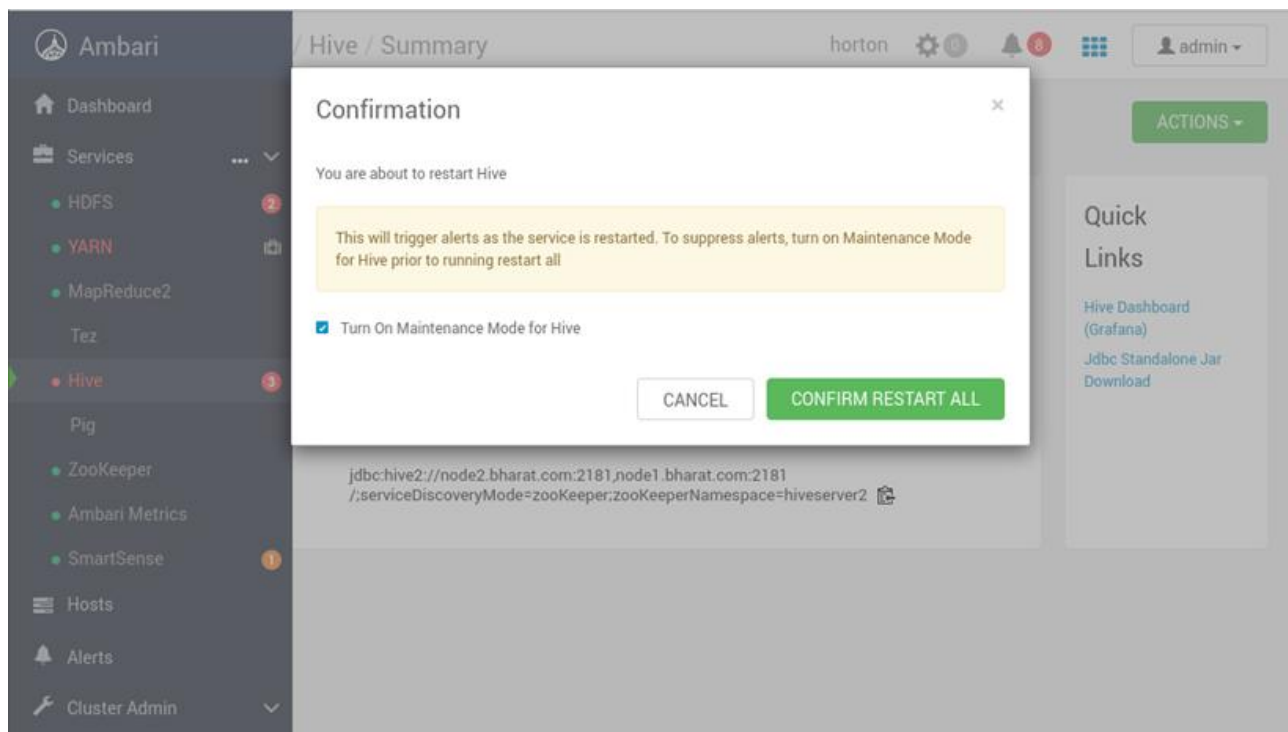
Step48:-SmartSense



The image shows the Ambari interface with the 'SmartSense / Summary' page. A modal dialog titled 'Background Operations' is open, displaying a table of running background operations. The table has columns for Operations, Status, User, Start Time, and Duration. The first operation, 'Start SmartSense', is at 38% completion. Other operations like 'Start Ambari Metrics', 'Start ZooKeeper', 'Start Hive' (two instances), and 'Start MapReduce2' are at 100% completion. At the bottom of the dialog, there is a checkbox 'Do not show this dialog again when starting a background operation' and an 'OK' button.

Operations	Status	User	Start Time	Duration
Start SmartSense	38%	admin	Today 03:10	4s
Start Ambari Metrics	100%	admin	Today 03:08	1m 6s
Start ZooKeeper	100%	admin	Today 03:08	3s
Start Hive	100%	admin	Today 02:49	14m 2s
Start Hive	100%	admin	Today 02:31	14m 45s
Start MapReduce2	100%	admin	Today 02:29	1m 21s

Step49:- Then click on CONFIRM RESTART ALL.



The image shows the Ambari interface with the 'Hive / Summary' page. A modal dialog titled 'Confirmation' is open, asking for confirmation to restart Hive. The dialog contains a warning message: 'This will trigger alerts as the service is restarted. To suppress alerts, turn on Maintenance Mode for Hive prior to running restart all'. There is a checkbox 'Turn On Maintenance Mode for Hive' which is checked. At the bottom of the dialog are 'CANCEL' and 'CONFIRM RESTART ALL' buttons. The background shows the Hive service summary page with a sidebar menu on the left and a 'Quick Links' section on the right.

Confirmation

You are about to restart Hive

This will trigger alerts as the service is restarted. To suppress alerts, turn on Maintenance Mode for Hive prior to running restart all

☒ Turn On Maintenance Mode for Hive

CANCEL CONFIRM RESTART ALL

Step50:- Successfully Completed Ambari installation.

