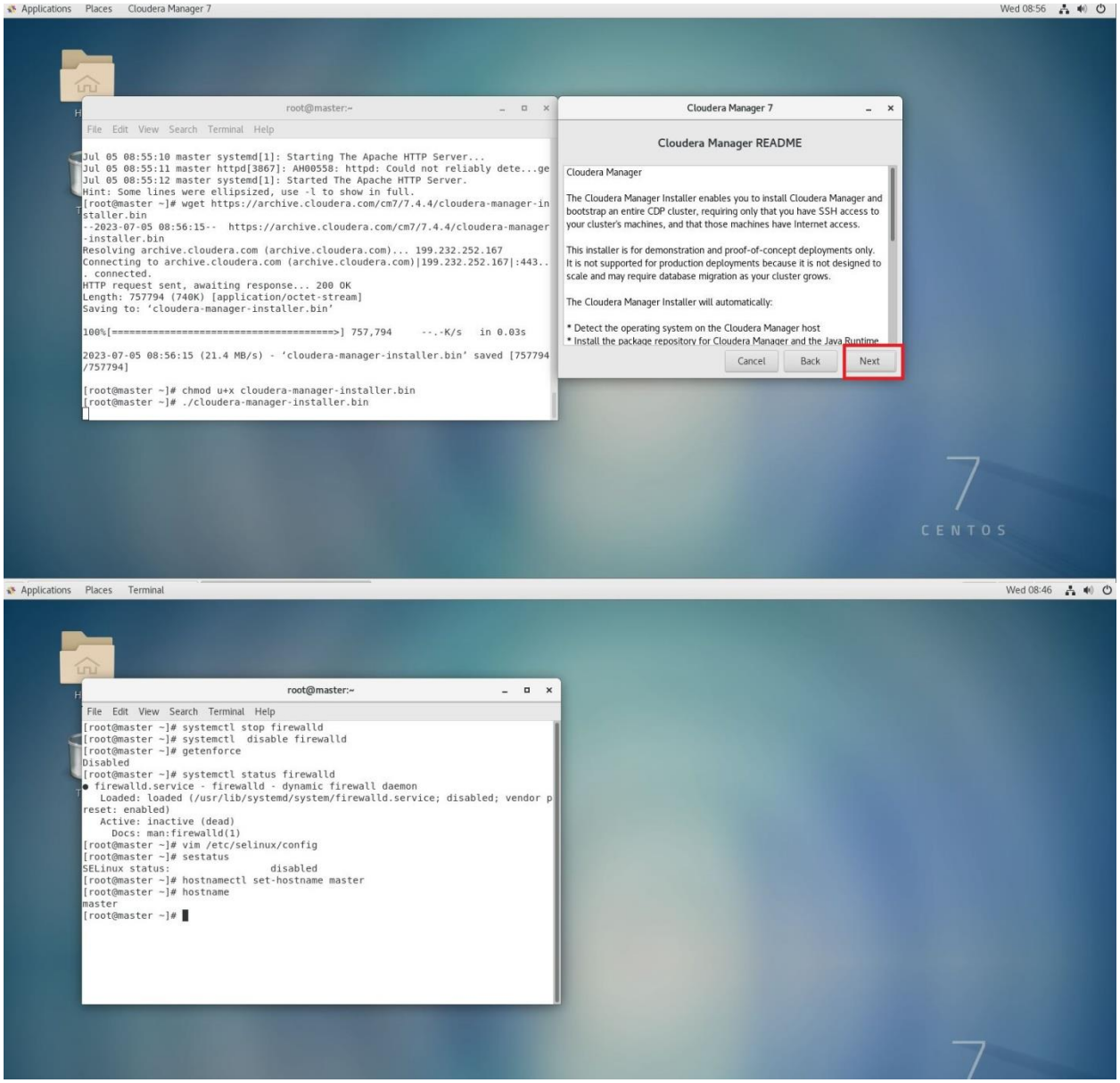
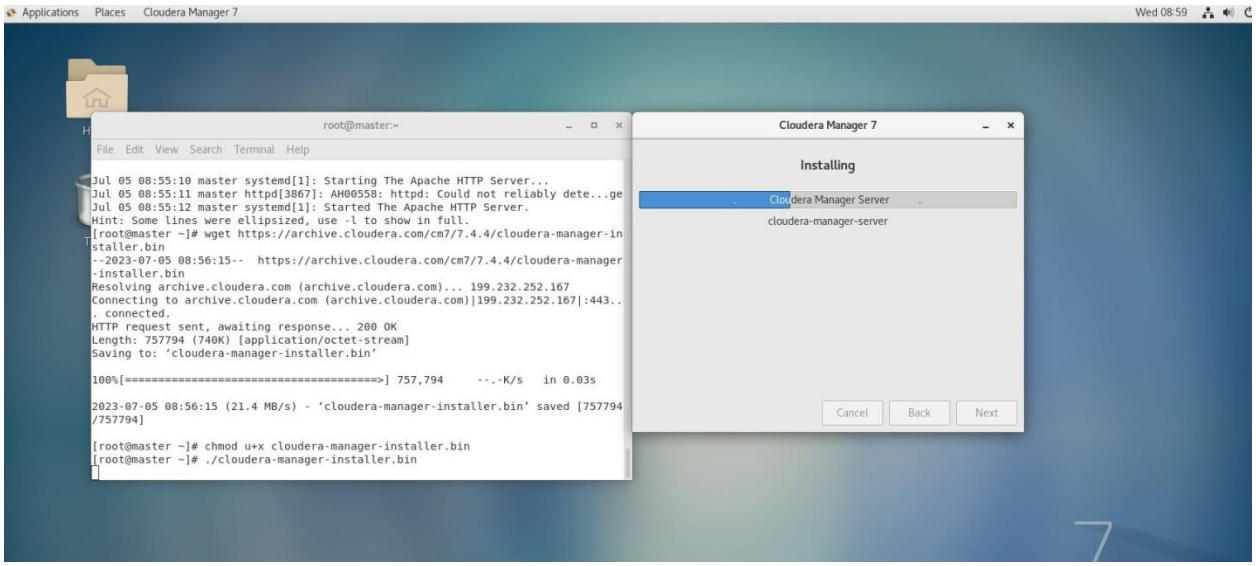
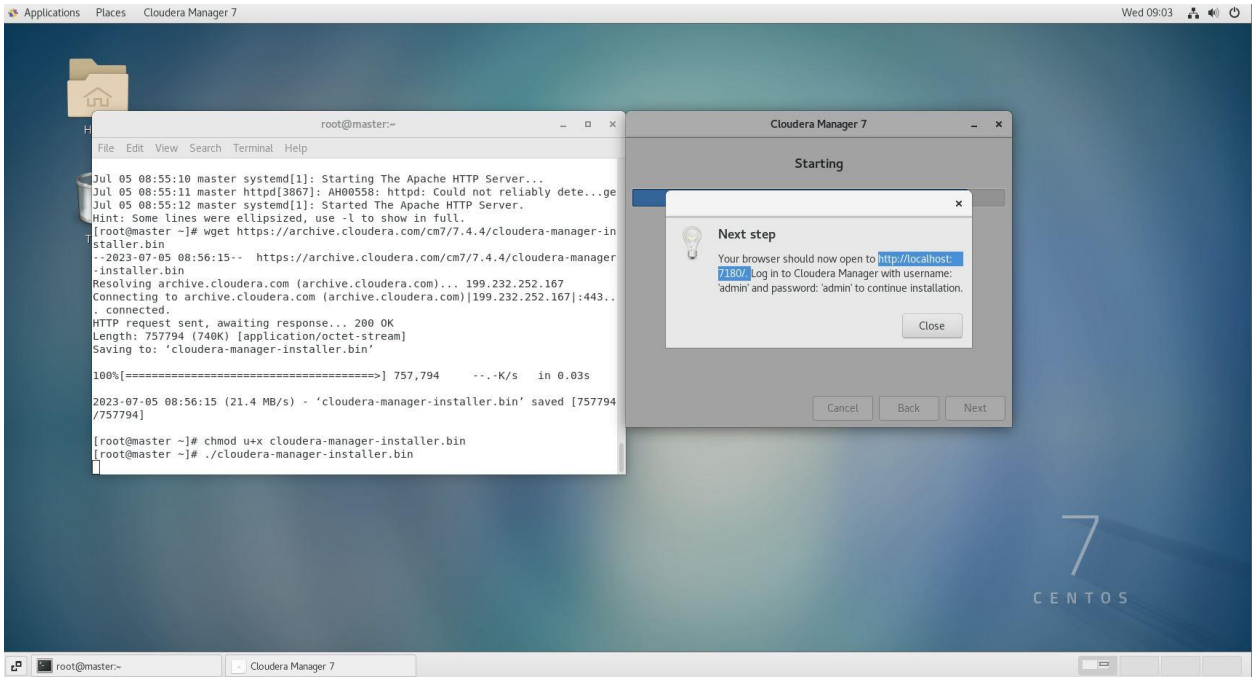
- Cluster Installation:-

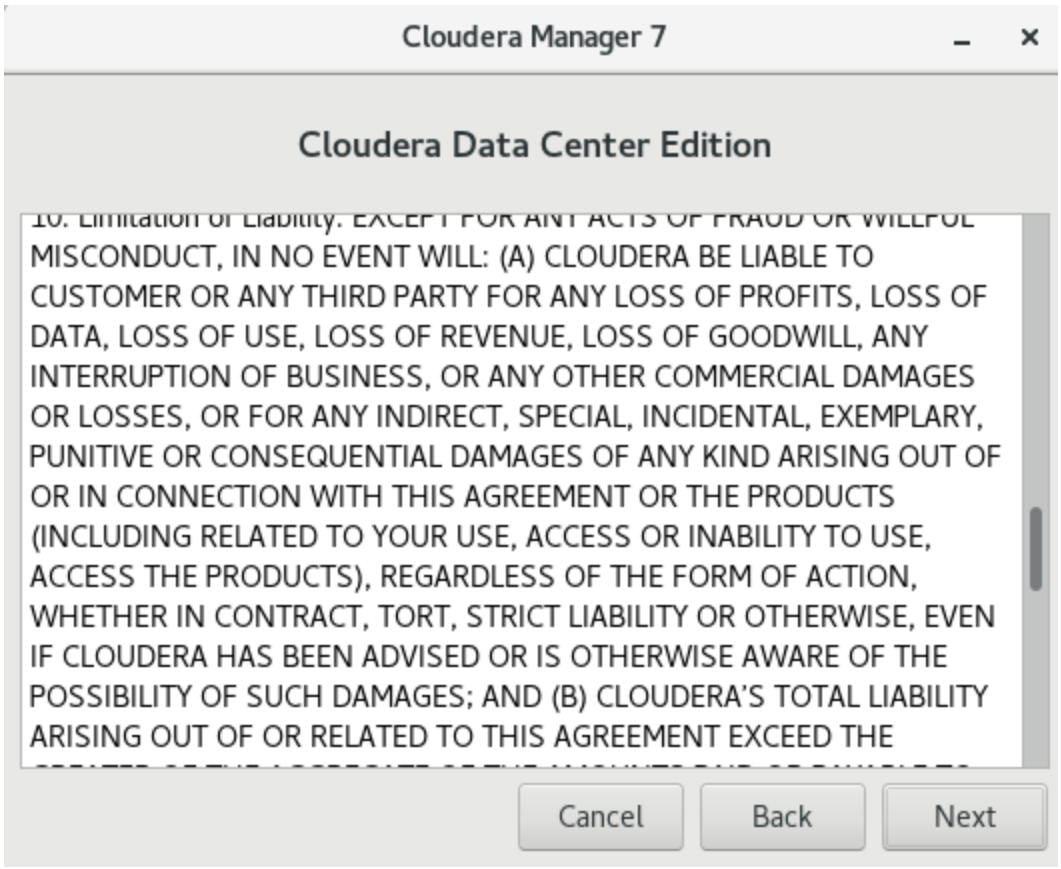
- systemctl stop firewalld
- systemctl disable firewalld
- getenforce
- systemctl status firewalld
- vim /etc/selinux/config
- sestatus
- hostnamectl set-hostname master
- hostname
- vim /etc/hosts
- init 6
- yum install java* httpd* webserver*
- systemctl start httpd
- systemctl enable httpd
- systemctl status httpd
- wget https://archive.cloudera.com/cm7/7.4.4/cloudera-manager-installer.bin
- chmod u+x cloudera-manager-installer.bin
- sudo ./cloudera-manager-installer.bin

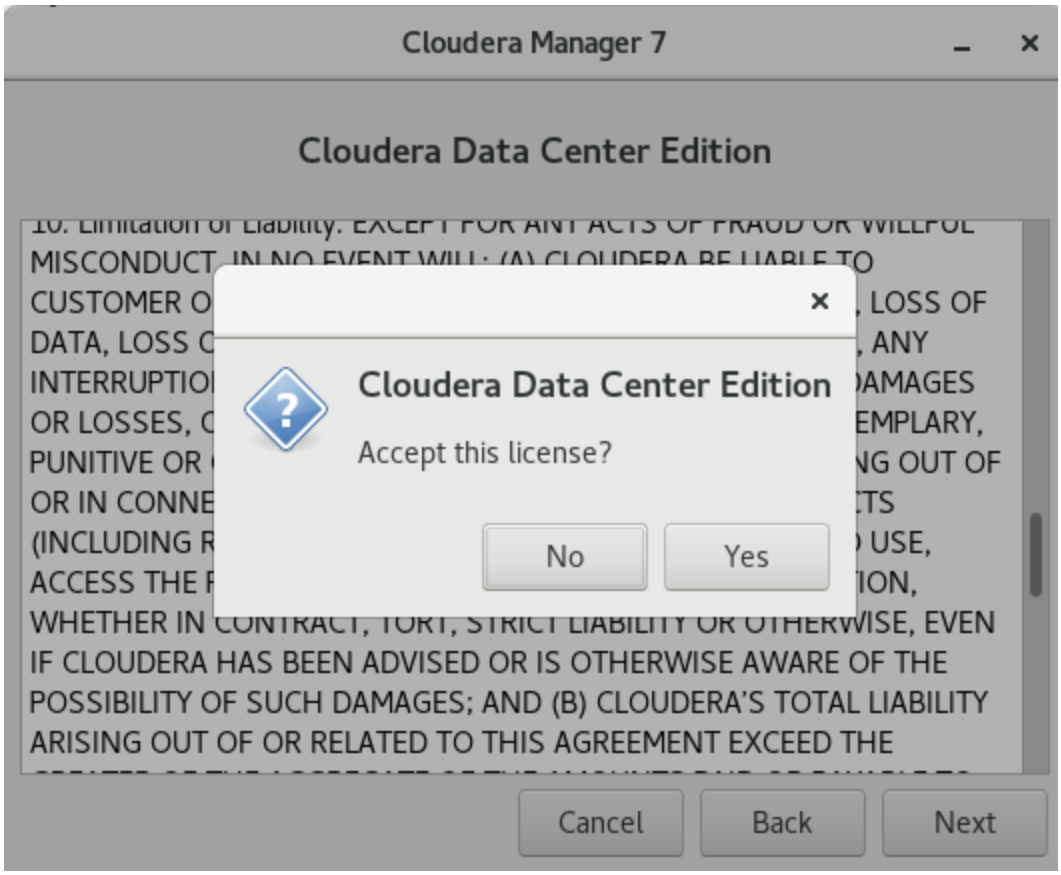
Step 1: On Master machine stop firewalld

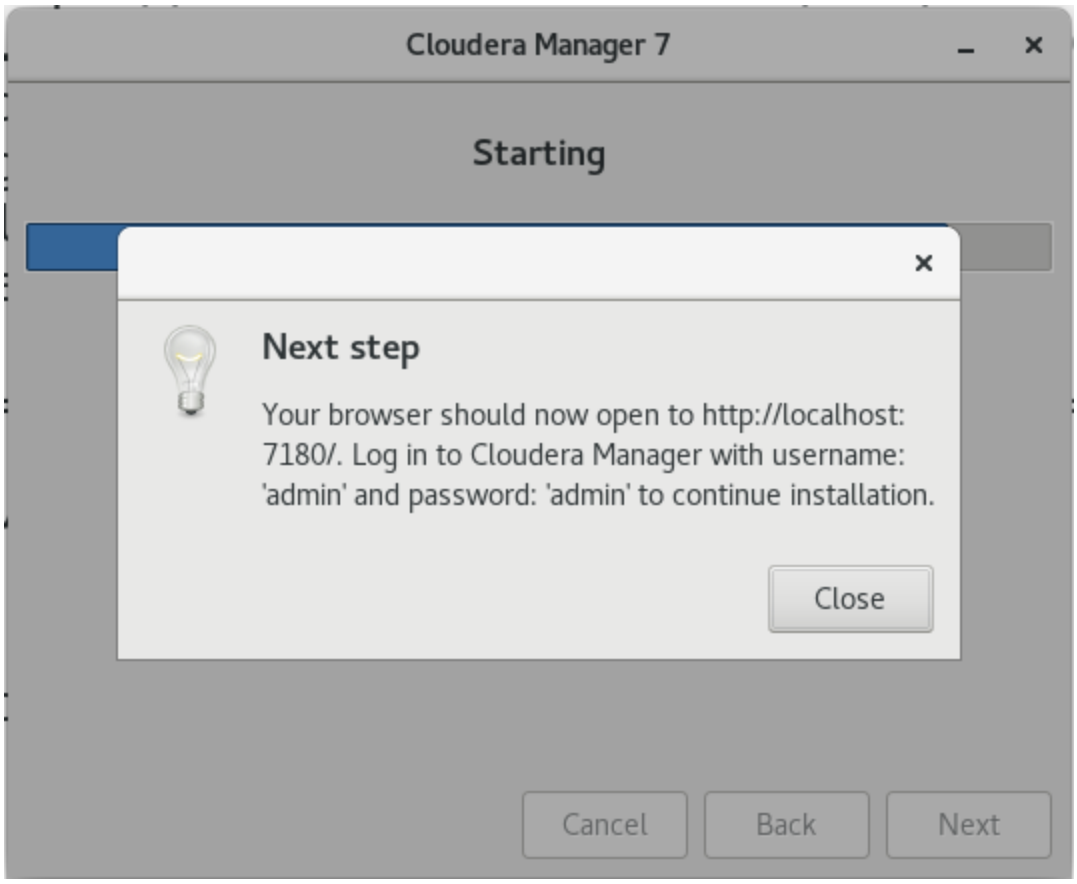


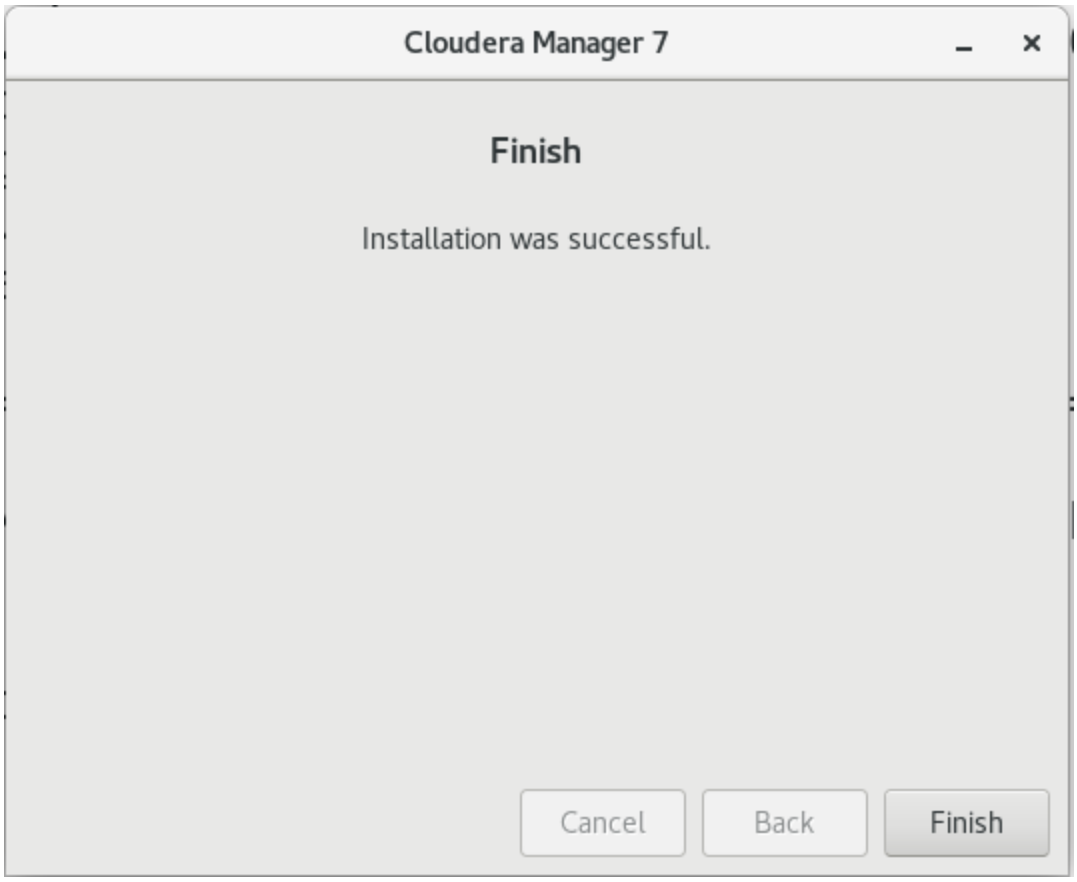

Applications
Places
Cloudera Manager 7
Wed 08:59
root@master:~
File Edit View Search Terminal Help
Jul 05 08:55:10 master systemd[1]: Starting The Apache HTTP Server...
Jul 05 08:55:11 master httpd[3867]: AH00558: httpd: Could not reliably dete...ge
Jul 05 08:55:12 master systemd[1]: Started The Apache HTTP Server.
Hint: Some lines were ellipsized, use -l to show in full.
[root@master ~]# wget https://archive.cloudera.com/cm7/7.4.4/cloudera-manager-installer.bin
--2023-07-05 08:56:15-- https://archive.cloudera.com/cm7/7.4.4/cloudera-manager-installer.bin
Resolving archive.cloudera.com (archive.cloudera.com)... 199.232.252.167
Connecting to archive.cloudera.com (archive.cloudera.com)|199.232.252.167|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 757794 (740K) [application/octet-stream]
Saving to: 'cloudera-manager-installer.bin'
100%[======================================>] 757,794 --.-K/s in 0.03s
2023-07-05 08:56:15 (21.4 MB/s) - 'cloudera-manager-installer.bin' saved [757794/757794]
[root@master ~]# chmod u+x cloudera-manager-installer.bin
[root@master ~]# ./cloudera-manager-installer.bin
Cloudera Manager 7
Installing
Cloudera Manager Server
cloudera-manager-server
Cancel
Back
Next

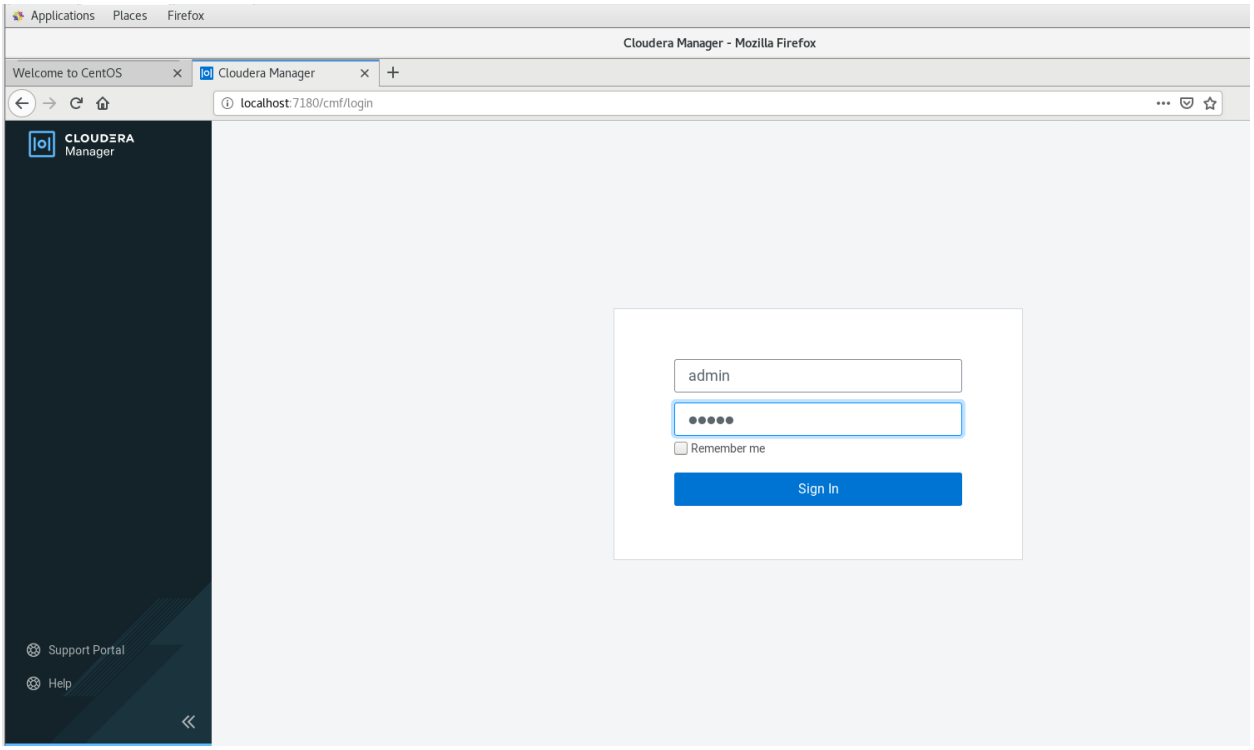

Applications
Places
Cloudera Manager 7
Wed 09:03
root@master:~
File Edit View Search Terminal Help
Jul 05 08:55:10 master systemd[1]: Starting The Apache HTTP Server...
Jul 05 08:55:11 master httpd[3867]: AH00558: httpd: Could not reliably dete...ge
Jul 05 08:55:12 master systemd[1]: Started The Apache HTTP Server.
Hint: Some lines were ellipsized, use -l to show in full.
[root@master ~]# wget https://archive.cloudera.com/cm7/7.4.4/cloudera-manager-installer.bin
--2023-07-05 08:56:15-- https://archive.cloudera.com/cm7/7.4.4/cloudera-manager-installer.bin
Resolving archive.cloudera.com (archive.cloudera.com)... 199.232.252.167
Connecting to archive.cloudera.com (archive.cloudera.com)|199.232.252.167|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 757794 (740K) [application/octet-stream]
Saving to: 'cloudera-manager-installer.bin'
100%[======================================>] 757,794 --.-K/s in 0.03s
2023-07-05 08:56:15 (21.4 MB/s) - 'cloudera-manager-installer.bin' saved [757794/757794]
[root@master ~]# chmod u+x cloudera-manager-installer.bin
[root@master ~]# ./cloudera-manager-installer.bin
Cloudera Manager 7
Starting
Next step
Your browser should now open to http://localhost:7180/. Log in to Cloudera Manager with username: 'admin' and password: 'admin' to continue installation.
Close
Cancel
Back
Next
CENTOS
root@master:~
Cloudera Manager 7

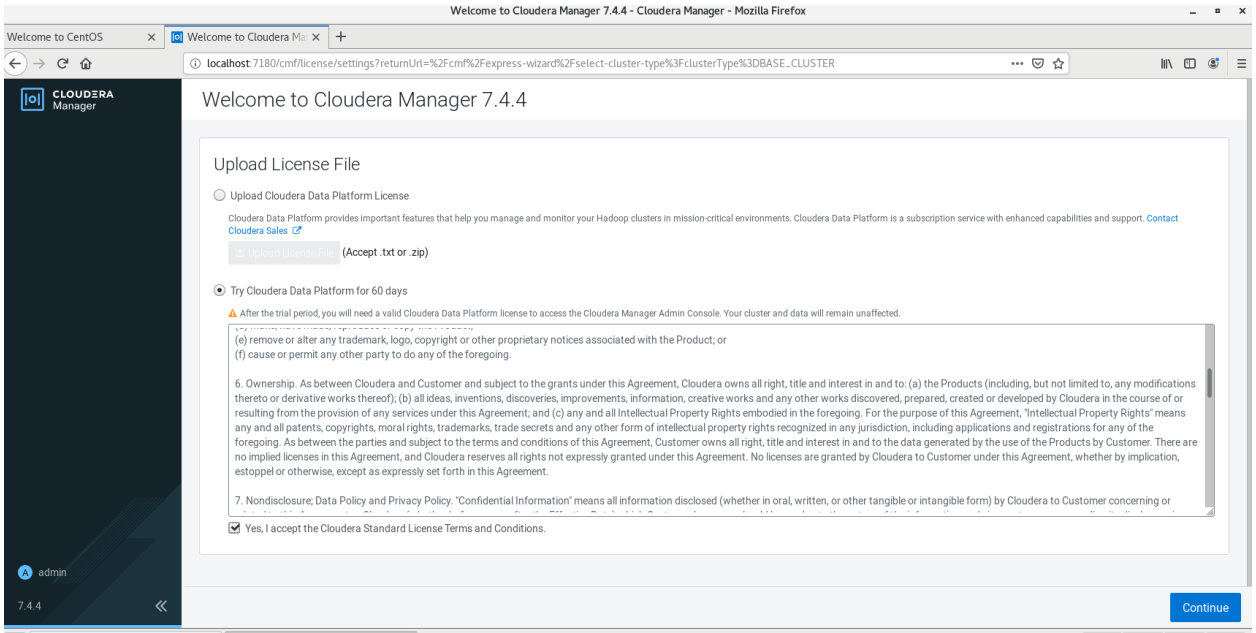

Cloudera Manager 7
Cloudera Data Center Edition
10. Limitation of Liability. EXCEPT FOR ANY ACTS OF FRAUD OR WILLFUL MISCONDUCT, IN NO EVENT WILL: (A) CLOUDERA BE LIABLE TO CUSTOMER OR ANY THIRD PARTY FOR ANY LOSS OF PROFITS, LOSS OF DATA, LOSS OF USE, LOSS OF REVENUE, LOSS OF GOODWILL, ANY INTERRUPTION OF BUSINESS, OR ANY OTHER COMMERCIAL DAMAGES OR LOSSES, OR FOR ANY INDIRECT, SPECIAL, INCIDENTAL, EXEMPLARY, PUNITIVE OR CONSEQUENTIAL DAMAGES OF ANY KIND ARISING OUT OF OR IN CONNECTION WITH THIS AGREEMENT OR THE PRODUCTS (INCLUDING RELATED TO YOUR USE, ACCESS OR INABILITY TO USE, ACCESS THE PRODUCTS), REGARDLESS OF THE FORM OF ACTION, WHETHER IN CONTRACT, TORT, STRICT LIABILITY OR OTHERWISE, EVEN IF CLOUDERA HAS BEEN ADVISED OR IS OTHERWISE AWARE OF THE POSSIBILITY OF SUCH DAMAGES; AND (B) CLOUDERA'S TOTAL LIABILITY ARISING OUT OF OR RELATED TO THIS AGREEMENT EXCEED THE
Cancel
Back
Next

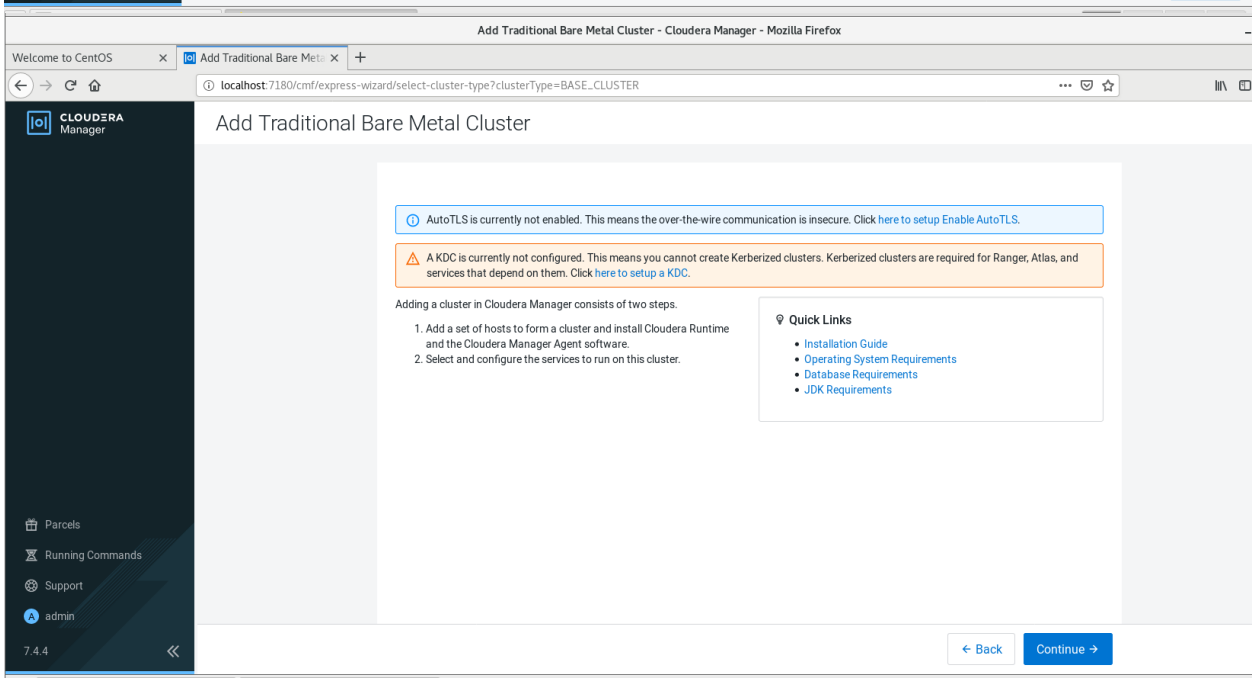

Cloudera Manager 7
Cloudera Data Center Edition
MISCONDUCT
CUSTOMER O
, LOSS OF
DATA, LOSS C
, ANY
INTERRUPTIO
AMAGES
OR LOSSES, C
EMPLARY,
PUNITIVE OR
NG OUT OF
OR IN CONNE
CTS
(INCLUDING R
USE,
ACCESS THE F
ION,
WHETHER IN CONTRACT, TORT, STRICT LIABILITY OR OTHERWISE, EVEN
IF CLOUDERA HAS BEEN ADVISED OR IS OTHERWISE AWARE OF THE
POSSIBILITY OF SUCH DAMAGES; AND (B) CLOUDERA'S TOTAL LIABILITY
ARISING OUT OF OR RELATED TO THIS AGREEMENT EXCEED THE
Cloudera Data Center Edition
Accept this license?
No
Yes
Cancel
Back
Next

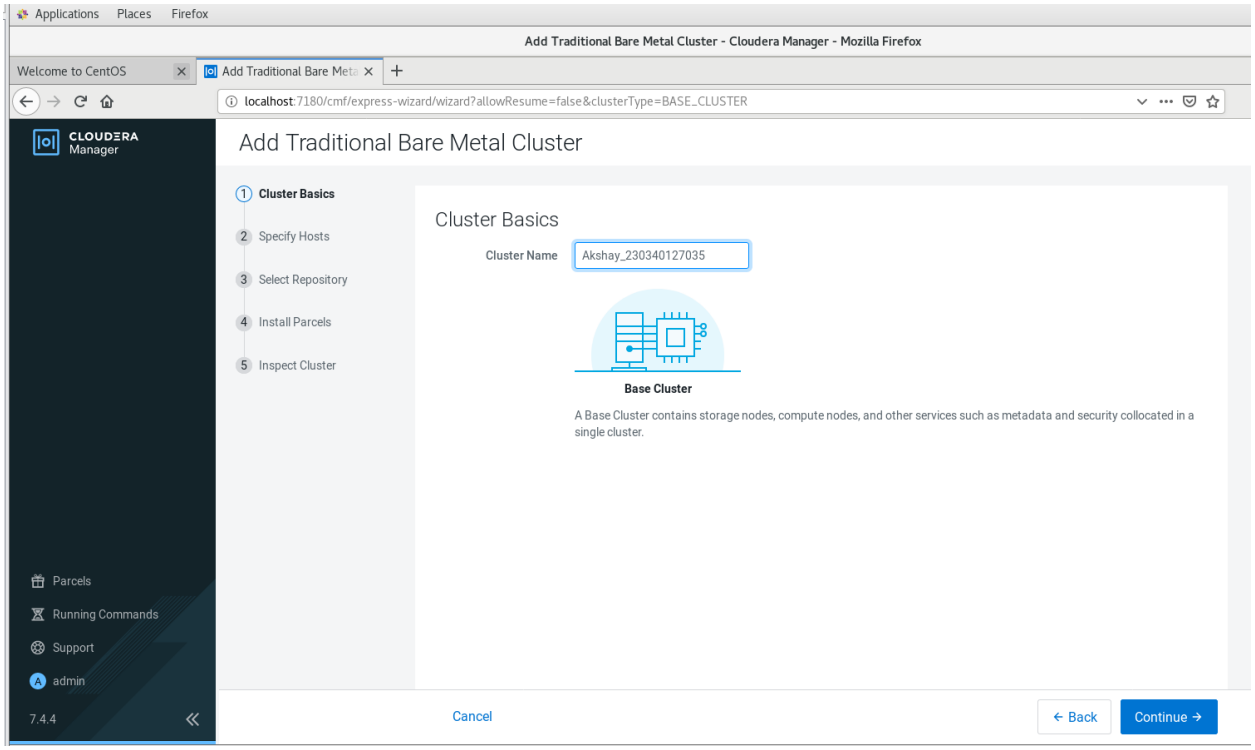

Cloudera Manager 7
Starting
Next step
Your browser should now open to http://localhost:7180/. Log in to Cloudera Manager with username: 'admin' and password: 'admin' to continue installation.
Close
Cancel
Back
Next

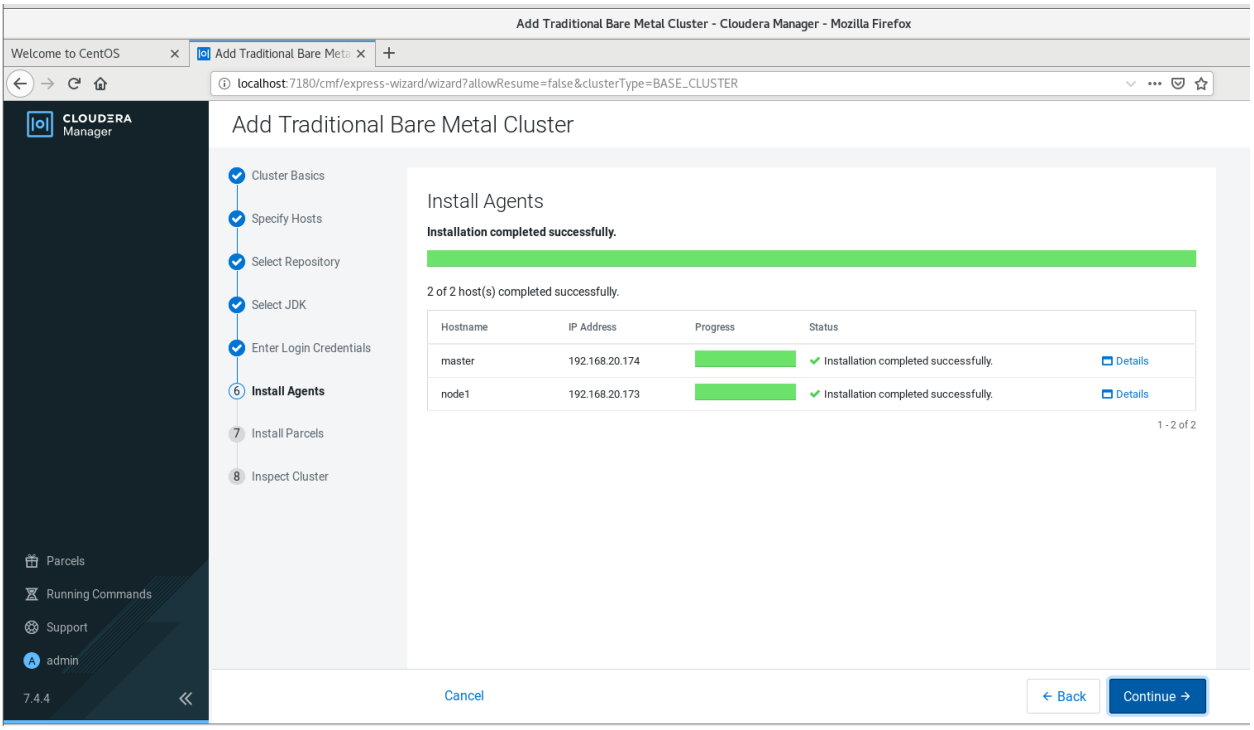

Cloudera Manager 7
Finish
Installation was successful.
Cancel
Back
Finish

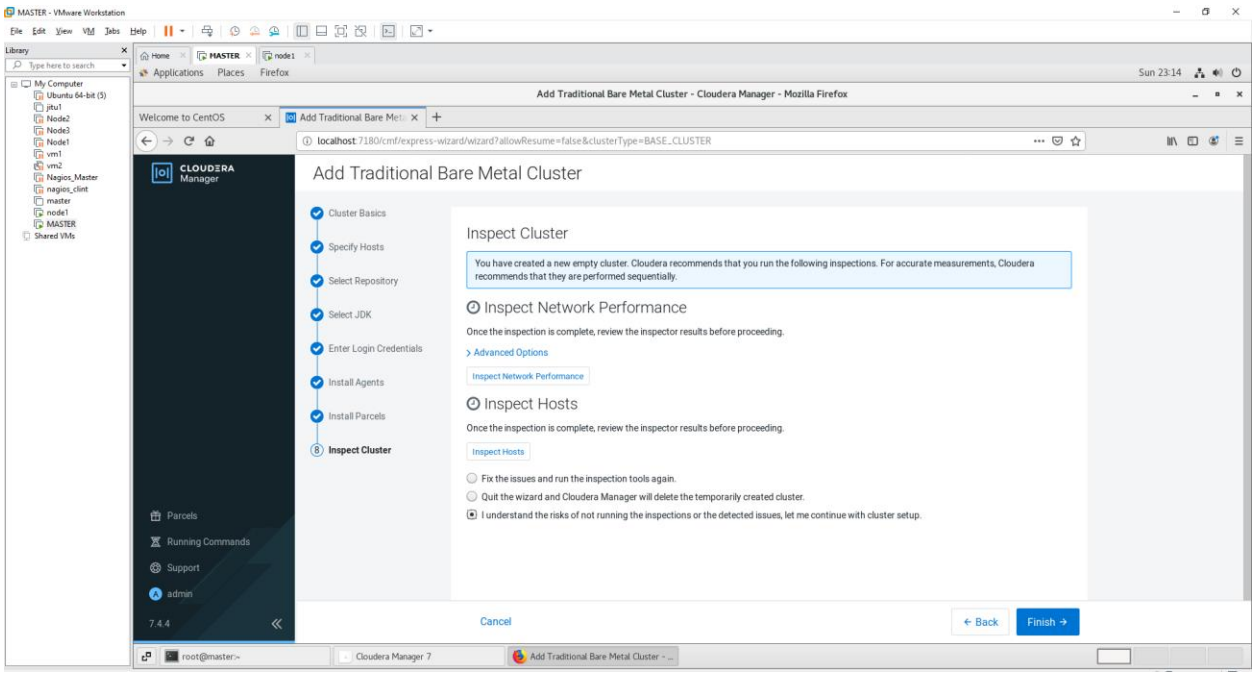

Applications
Places
Firefox
Cloudera Manager - Mozilla Firefox
Welcome to CentOS
Cloudera Manager
localhost:7180/cmf/login
CLOUDERA
Manager
admin
Remember me
Sign In
Support Portal
Help

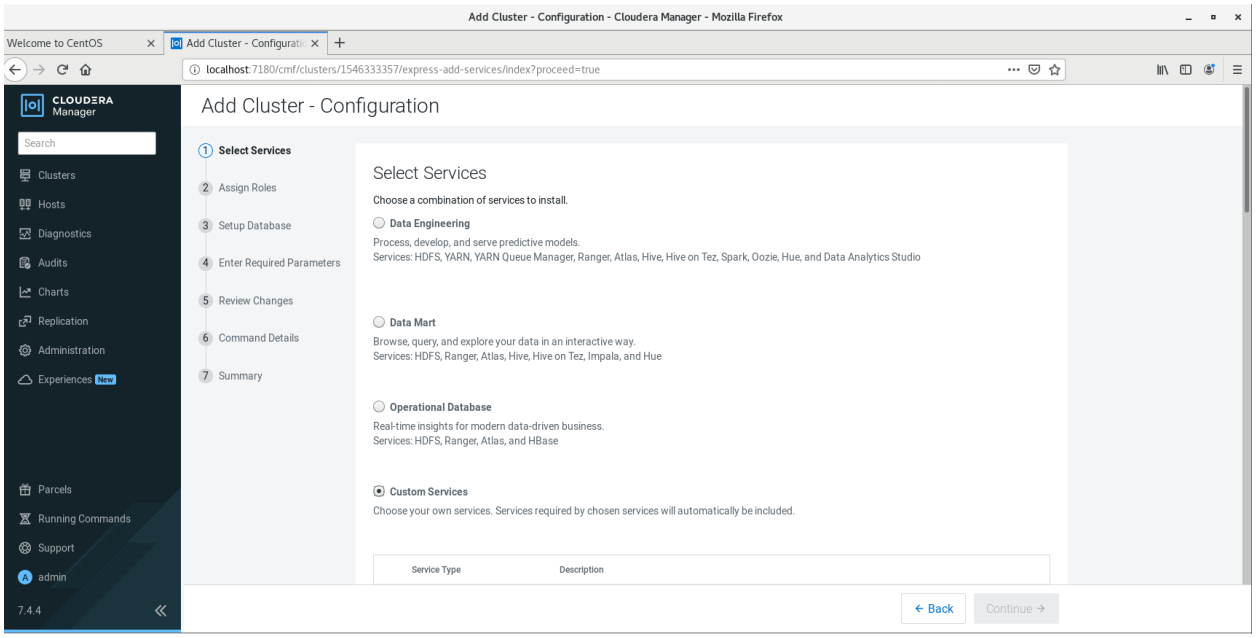

Welcome to Cloudera Manager 7.4.4 - Cloudera Manager - Mozilla Firefox
Welcome to CentOS
Welcome to Cloudera Ma
localhost:7180/cmf/license/settings?returnUrl=%2Fcmf%2Fexpress-wizard%2Fselect-cluster-type%3FclusterType%3DBASE_CLUSTER
CLOUDERA Manager
Welcome to Cloudera Manager 7.4.4
Upload License File
Upload Cloudera Data Platform License
Cloudera Data Platform provides important features that help you manage and monitor your Hadoop clusters in mission-critical environments. Cloudera Data Platform is a subscription service with enhanced capabilities and support. Contact Cloudera Sales
Upload License File
(Accept .txt or .zip)
Try Cloudera Data Platform for 60 days
After the trial period, you will need a valid Cloudera Data Platform license to access the Cloudera Manager Admin Console. Your cluster and data will remain unaffected.
(e) remove or alter any trademark, logo, copyright or other proprietary notices associated with the Product; or
(f) cause or permit any other party to do any of the foregoing.
6. Ownership. As between Cloudera and Customer and subject to the grants under this Agreement, Cloudera owns all right, title and interest in and to: (a) the Products (including, but not limited to, any modifications thereto or derivative works thereof); (b) all ideas, inventions, discoveries, improvements, information, creative works and any other works discovered, prepared, created or developed by Cloudera in the course of or resulting from the provision of any services under this Agreement; and (c) any and all Intellectual Property Rights embodied in the foregoing. For the purpose of this Agreement, "Intellectual Property Rights" means any and all patents, copyrights, moral rights, trademarks, trade secrets and any other form of intellectual property rights recognized in any jurisdiction, including applications and registrations for any of the foregoing. As between the parties and subject to the terms and conditions of this Agreement, Customer owns all right, title and interest in and to the data generated by the use of the Products by Customer. There are no implied licenses in this Agreement, and Cloudera reserves all rights not expressly granted under this Agreement. No licenses are granted by Cloudera to Customer under this Agreement, whether by implication, estoppel or otherwise, except as expressly set forth in this Agreement.
7. Nondisclosure; Data Policy and Privacy Policy. "Confidential Information" means all information disclosed (whether in oral, written, or other tangible or intangible form) by Cloudera to Customer concerning or
Yes, I accept the Cloudera Standard License Terms and Conditions.
admin
7.4.4
Continue

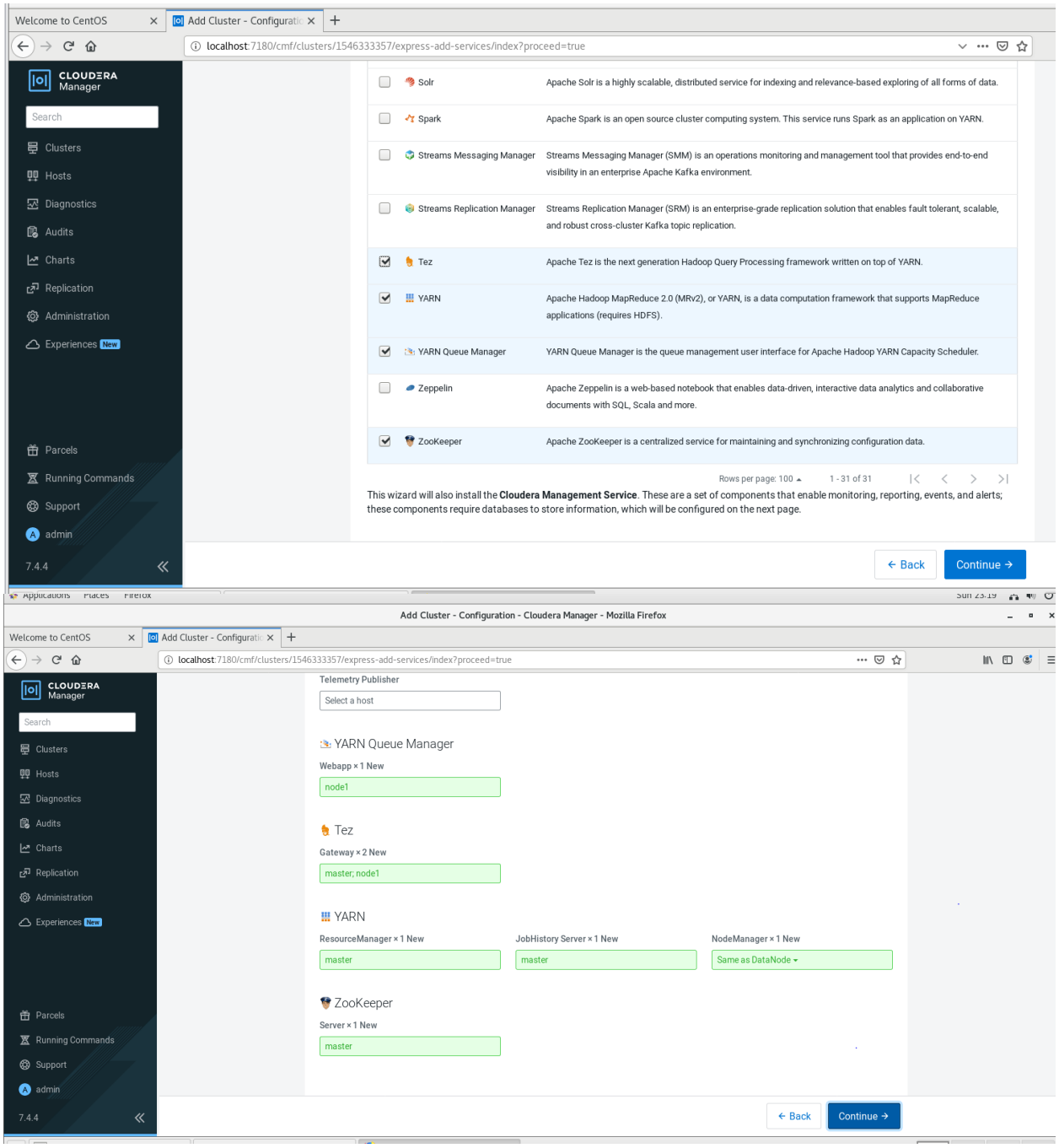

Add Traditional Bare Metal Cluster - Cloudera Manager - Mozilla Firefox
Welcome to CentOS
Add Traditional Bare Meta
localhost:7180/cmf/express-wizard/select-cluster-type?clusterType=BASE_CLUSTER
CLOUDERA Manager
Add Traditional Bare Metal Cluster
AutoTLS is currently not enabled. This means the over-the-wire communication is insecure. Click here to setup Enable AutoTLS.
A KDC is currently not configured. This means you cannot create Kerberized clusters. Kerberized clusters are required for Ranger, Atlas, and services that depend on them. Click here to setup a KDC.
Adding a cluster in Cloudera Manager consists of two steps.
1. Add a set of hosts to form a cluster and install Cloudera Runtime and the Cloudera Manager Agent software.
2. Select and configure the services to run on this cluster.
Quick Links
Installation Guide
Operating System Requirements
Database Requirements
JDK Requirements
Parcels
Running Commands
Support
admin
7.4.4
← Back
Continue →

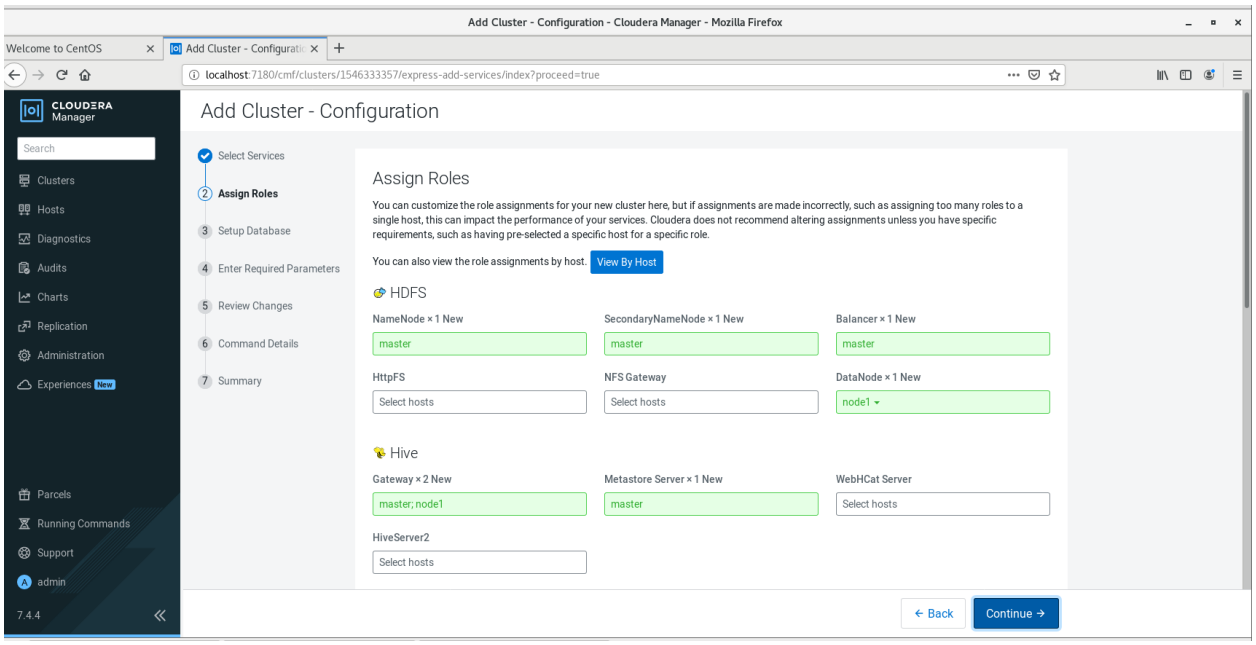

Applications
Places
Firefox
Add Traditional Bare Metal Cluster - Cloudera Manager - Mozilla Firefox
Welcome to CentOS
Add Traditional Bare Meta
localhost:7180/cmf/express-wizard/wizard?allowResume=false&clusterType=BASE_CLUSTER
CLOUDERA Manager
Add Traditional Bare Metal Cluster
1 Cluster Basics
2 Specify Hosts
3 Select Repository
4 Install Parcels
5 Inspect Cluster
Cluster Basics
Cluster Name
Akshay_230340127035
Base Cluster
A Base Cluster contains storage nodes, compute nodes, and other services such as metadata and security collocated in a single cluster.
Parcels
Running Commands
Support
admin
7.4.4
Cancel
← Back
Continue →

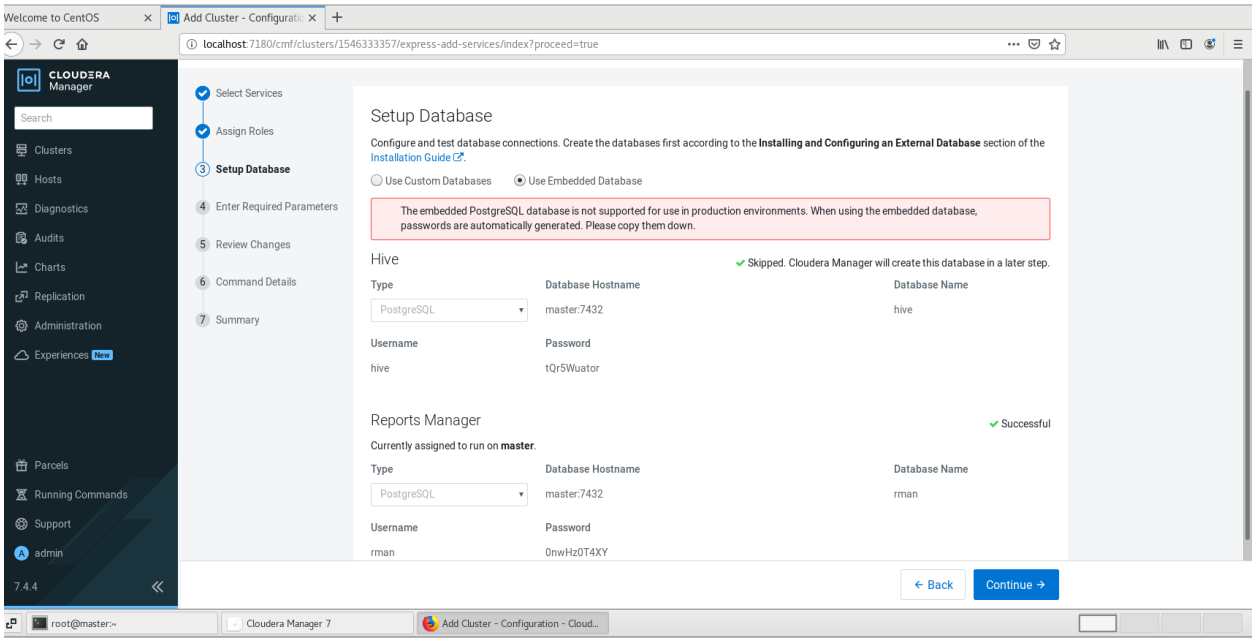

Add Traditional Bare Metal Cluster - Cloudera Manager - Mozilla Firefox
Welcome to CentOS
Add Traditional Bare Meta
localhost:7180/cmf/express-wizard/wizard?allowResume=false&clusterType=BASE_CLUSTER
CLOUDERA Manager
Add Traditional Bare Metal Cluster
Cluster Basics
Specify Hosts
Select Repository
Select JDK
Enter Login Credentials
6 Install Agents
7 Install Parcels
8 Inspect Cluster
Install Agents
Installation completed successfully.
2 of 2 host(s) completed successfully.
Hostname
IP Address
Progress
Status
master
192.168.20.174
Installation completed successfully.
Details
node1
192.168.20.173
Installation completed successfully.
Details
1 - 2 of 2
Parcels
Running Commands
Support
admin
7.4.4
Cancel
← Back
Continue →

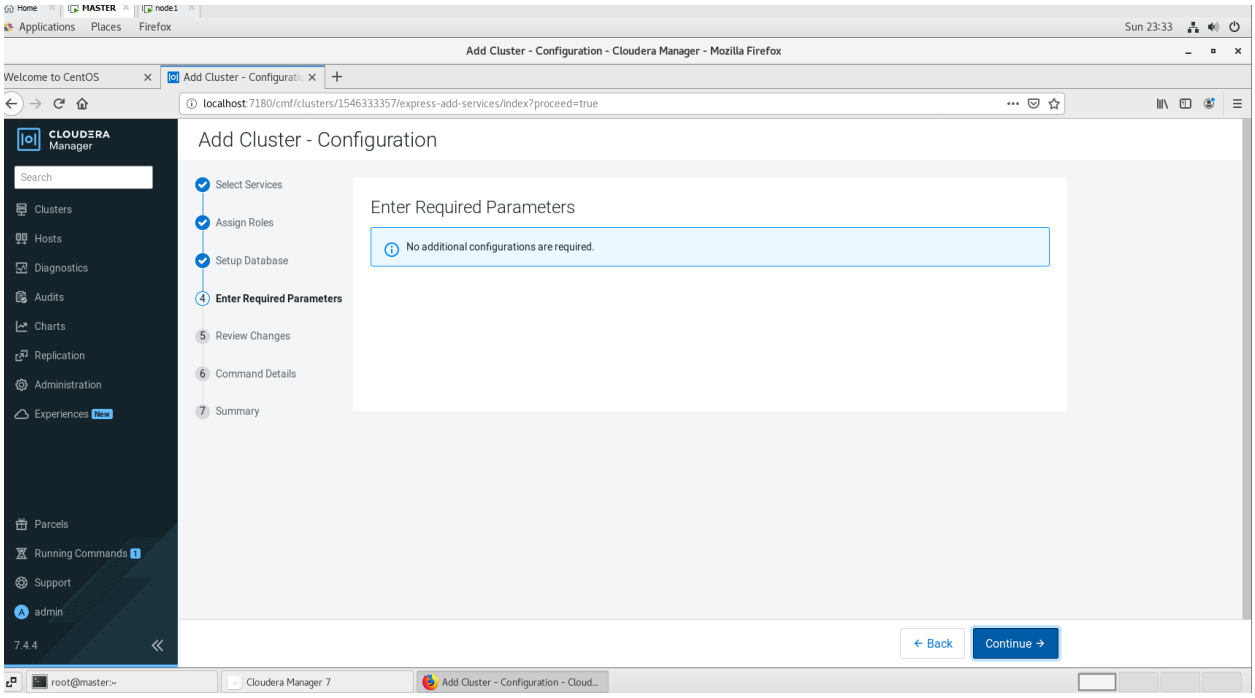

MASTER - VMware Workstation
Add Traditional Bare Metal Cluster - Cloudera Manager - Mozilla Firefox
Welcome to CentOS
Add Traditional Bare Met
localhost:7180/cmf/express-wizard/wizard?allowResume=false&clusterType=BASE_CLUSTER
CLOUDERA Manager
Add Traditional Bare Metal Cluster
Cluster Basics
Specify Hosts
Select Repository
Select JDK
Enter Login Credentials
Install Agents
Install Parcels
8 Inspect Cluster
Inspect Cluster
You have created a new empty cluster. Cloudera recommends that you run the following inspections. For accurate measurements, Cloudera recommends that they are performed sequentially.
Inspect Network Performance
Once the inspection is complete, review the inspector results before proceeding.
> Advanced Options
Inspect Network Performance
Inspect Hosts
Once the inspection is complete, review the inspector results before proceeding.
Inspect Hosts
Fix the issues and run the inspection tools again.
Quit the wizard and Cloudera Manager will delete the temporarily created cluster.
I understand the risks of not running the inspections or the detected issues, let me continue with cluster setup.
Parcels
Running Commands
Support
admin
7.4.4
Cancel
← Back
Finish →
root@master:~
Cloudera Manager 7
Add Traditional Bare Metal Cluster - ...

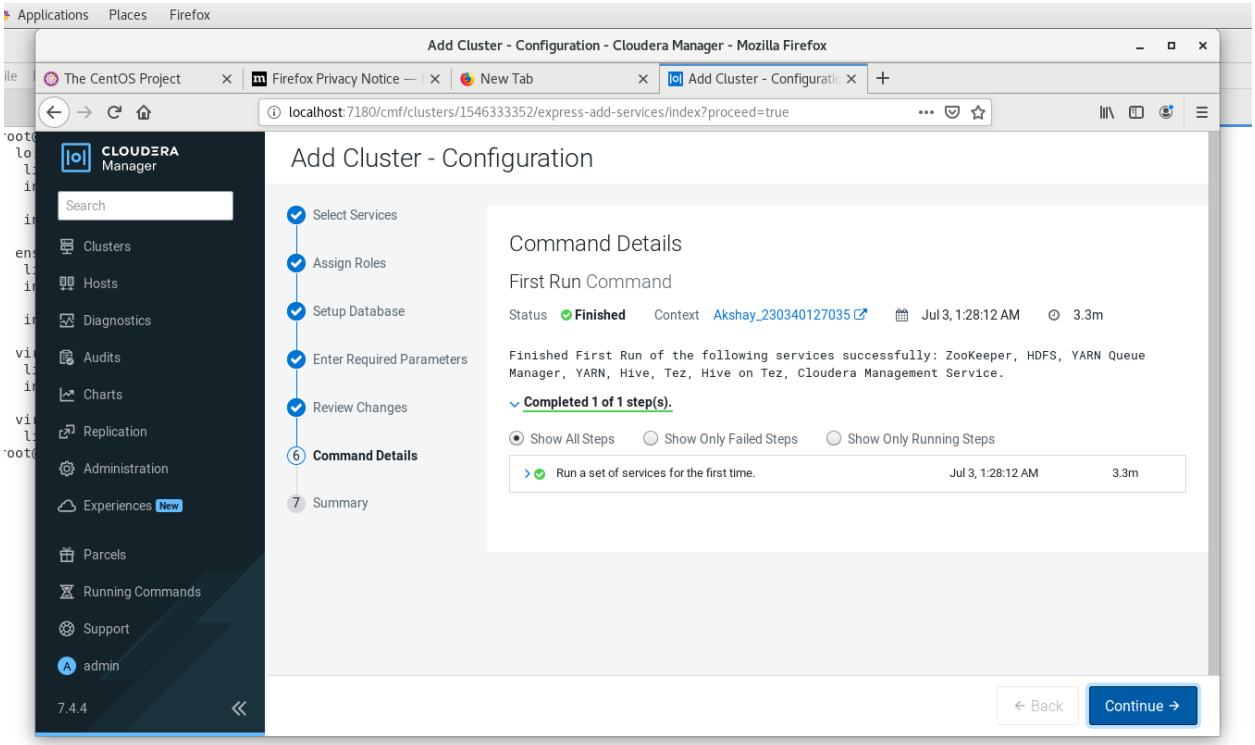

Add Cluster - Configuration - Cloudera Manager - Mozilla Firefox
Welcome to CentOS
Add Cluster - Configurati
localhost:7180/cmf/clusters/1546333357/express-add-services/index?proceed=true
CLOUDERA Manager
Search
Clusters
Hosts
Diagnostics
Audits
Charts
Replication
Administration
Experiences New
Parcels
Running Commands
Support
admin
7.4.4
Add Cluster - Configuration
1 Select Services
2 Assign Roles
3 Setup Database
4 Enter Required Parameters
5 Review Changes
6 Command Details
7 Summary
Select Services
Choose a combination of services to install.
Data Engineering
Process, develop, and serve predictive models.
Services: HDFS, YARN, YARN Queue Manager, Ranger, Atlas, Hive, Hive on Tez, Spark, Oozie, Hue, and Data Analytics Studio
Data Mart
Browse, query, and explore your data in an interactive way.
Services: HDFS, Ranger, Atlas, Hive, Hive on Tez, Impala, and Hue
Operational Database
Real-time insights for modern data-driven business.
Services: HDFS, Ranger, Atlas, and HBase
Custom Services
Choose your own services. Services required by chosen services will automatically be included.
Service Type
Description
← Back
Continue →

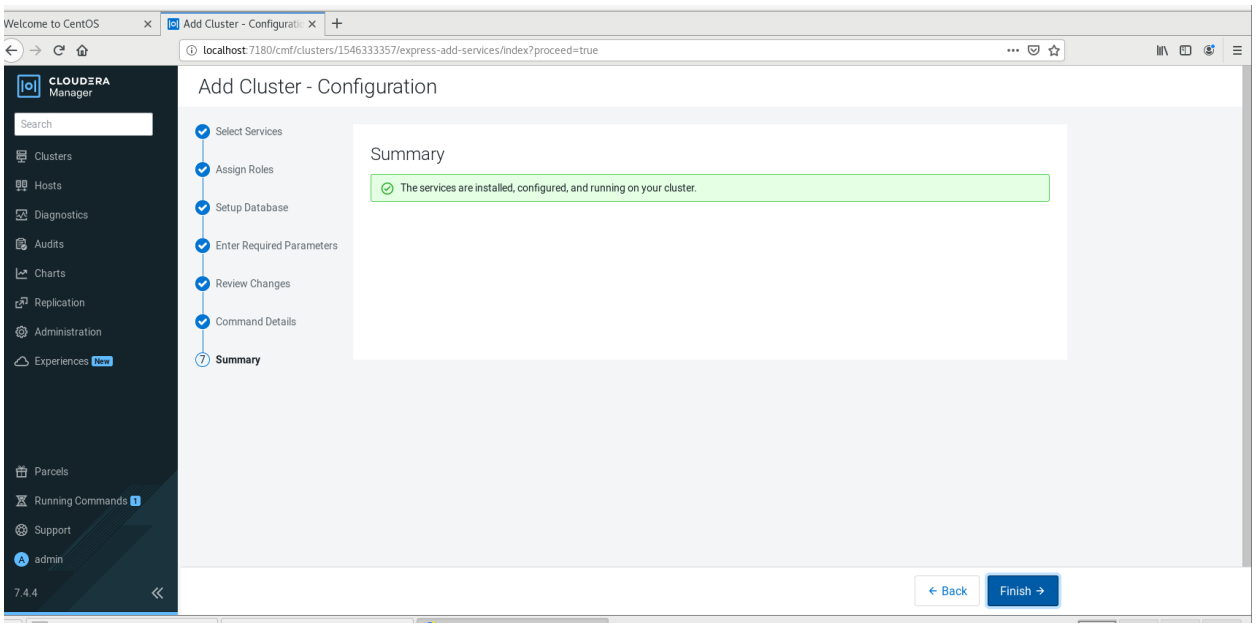

Welcome to CentOS
Add Cluster - Configuratio
localhost:7180/cmf/clusters/1546333357/express-add-services/index?proceed=true
CLOUDERA Manager
Search
Clusters
Hosts
Diagnostics
Audits
Charts
Replication
Administration
Experiences New
Parcels
Running Commands
Support
admin
7.4.4
Solr
Apache Solr is a highly scalable, distributed service for indexing and relevance-based exploring of all forms of data.
Spark
Apache Spark is an open source cluster computing system. This service runs Spark as an application on YARN.
Streams Messaging Manager
Streams Messaging Manager (SMM) is an operations monitoring and management tool that provides end-to-end visibility in an enterprise Apache Kafka environment.
Streams Replication Manager
Streams Replication Manager (SRM) is an enterprise-grade replication solution that enables fault tolerant, scalable, and robust cross-cluster Kafka topic replication.
Tez
Apache Tez is the next generation Hadoop Query Processing framework written on top of YARN.
YARN
Apache Hadoop MapReduce 2.0 (MRv2), or YARN, is a data computation framework that supports MapReduce applications (requires HDFS).
YARN Queue Manager
YARN Queue Manager is the queue management user interface for Apache Hadoop YARN Capacity Scheduler.
Zeppelin
Apache Zeppelin is a web-based notebook that enables data-driven, interactive data analytics and collaborative documents with SQL, Scala and more.
ZooKeeper
Apache ZooKeeper is a centralized service for maintaining and synchronizing configuration data.
Rows per page: 100
1 - 31 of 31
This wizard will also install the Cloudera Management Service. These are a set of components that enable monitoring, reporting, events, and alerts; these components require databases to store information, which will be configured on the next page.
← Back
Continue →
Add Cluster - Configuration - Cloudera Manager - Mozilla Firefox
Telemetry Publisher
Select a host
YARN Queue Manager
Webapp × 1 New
node1
Tez
Gateway × 2 New
master; node1
YARN
ResourceManager × 1 New
master
JobHistory Server × 1 New
master
NodeManager × 1 New
Same as DataNode
ZooKeeper
Server × 1 New
master
← Back
Continue →

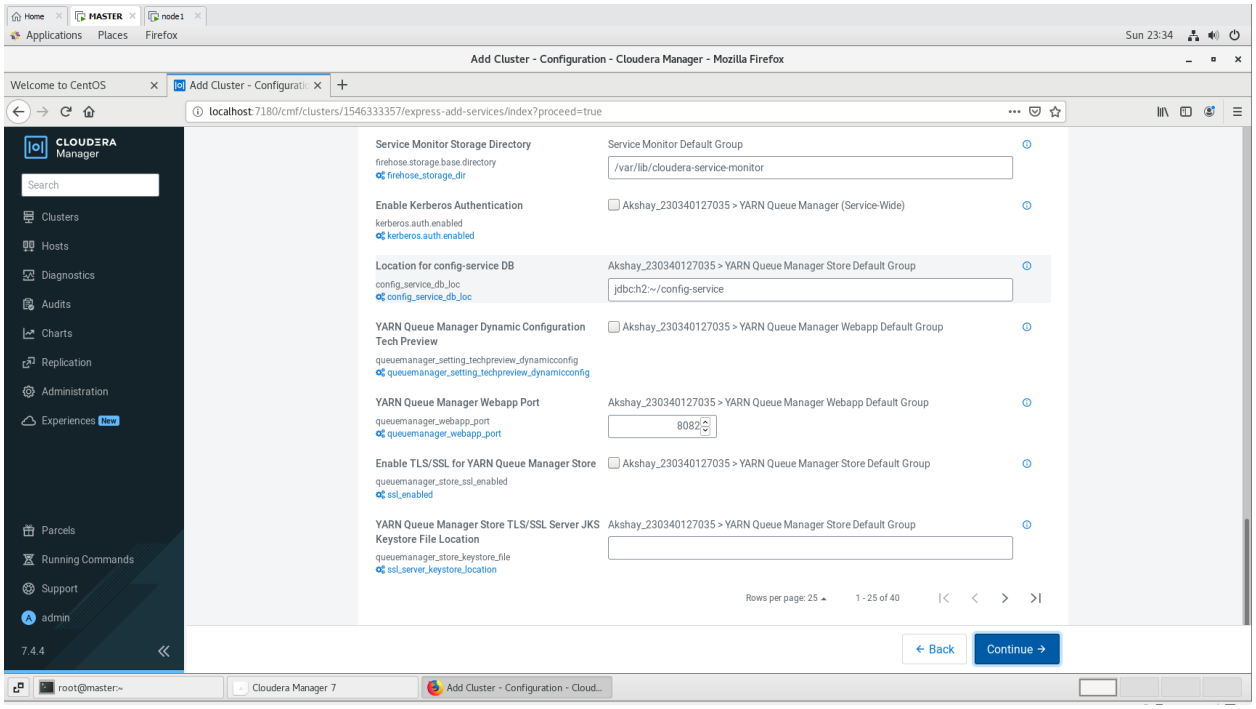

Add Cluster - Configuration - Cloudera Manager - Mozilla Firefox
Welcome to CentOS
Add Cluster - Configuratio
localhost:7180/cmf/clusters/1546333357/express-add-services/index?proceed=true
CLOUDERA Manager
Search
Clusters
Hosts
Diagnostics
Audits
Charts
Replication
Administration
Experiences New
Parcels
Running Commands
Support
admin
7.4.4
Add Cluster - Configuration
Select Services
2 Assign Roles
3 Setup Database
4 Enter Required Parameters
5 Review Changes
6 Command Details
7 Summary
Assign Roles
You can customize the role assignments for your new cluster here, but if assignments are made incorrectly, such as assigning too many roles to a single host, this can impact the performance of your services. Cloudera does not recommend altering assignments unless you have specific requirements, such as having pre-selected a specific host for a specific role.
You can also view the role assignments by host.
View By Host
HDFS
NameNode × 1 New
master
SecondaryNameNode × 1 New
master
Balancer × 1 New
master
HttpFS
Select hosts
NFS Gateway
Select hosts
DataNode × 1 New
node1
Hive
Gateway × 2 New
master; node1
Metastore Server × 1 New
master
WebHCat Server
Select hosts
HiveServer2
Select hosts
← Back
Continue →

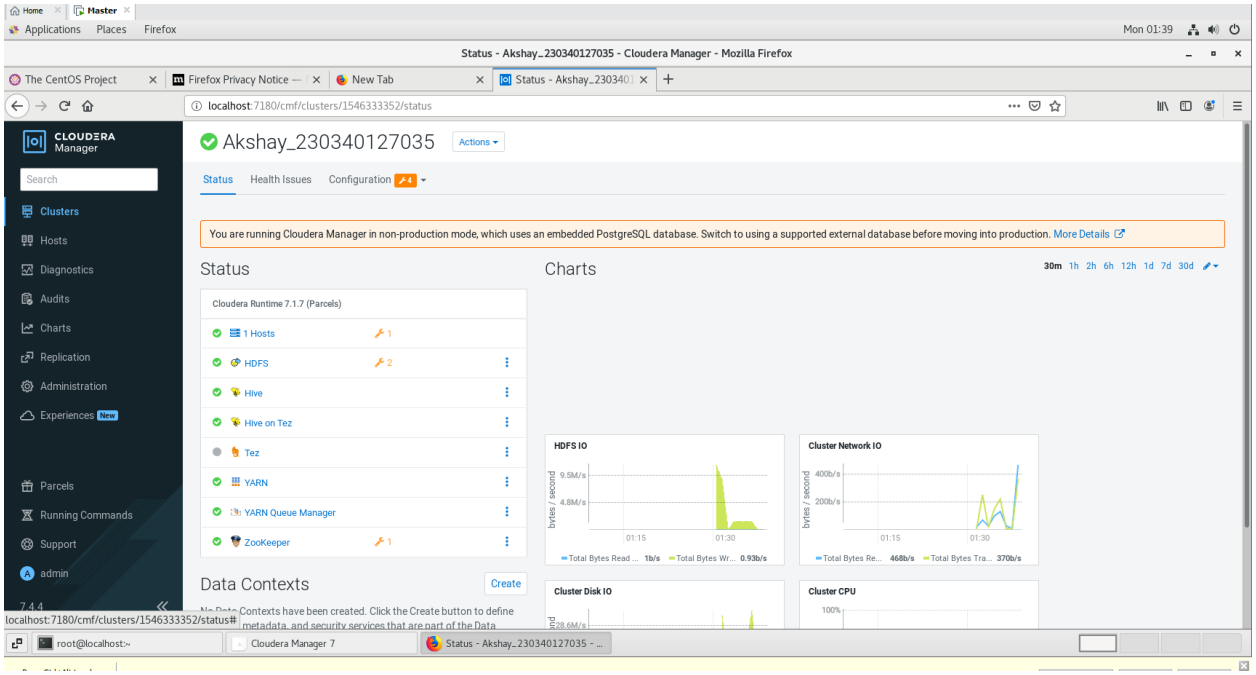

Welcome to CentOS
Add Cluster - Configuratio
localhost:7180/cmf/clusters/1546333357/express-add-services/index?proceed=true
CLOUDERA Manager
Search
Clusters
Hosts
Diagnostics
Audits
Charts
Replication
Administration
Experiences New
Parcels
Running Commands
Support
admin
7.4.4
Select Services
Assign Roles
3 Setup Database
4 Enter Required Parameters
5 Review Changes
6 Command Details
7 Summary
Setup Database
Configure and test database connections. Create the databases first according to the Installing and Configuring an External Database section of the Installation Guide.
Use Custom Databases
Use Embedded Database
The embedded PostgreSQL database is not supported for use in production environments. When using the embedded database, passwords are automatically generated. Please copy them down.
Hive
Skipped. Cloudera Manager will create this database in a later step.
Type
PostgreSQL
Database Hostname
master:7432
Database Name
hive
Username
hive
Password
tQr5Wuator
Reports Manager
Successful
Currently assigned to run on master.
Type
PostgreSQL
Database Hostname
master:7432
Database Name
rman
Username
rman
Password
0nwHz0T4XY
← Back
Continue →
root@master:~
Cloudera Manager 7
Add Cluster - Configuration - Cloud...

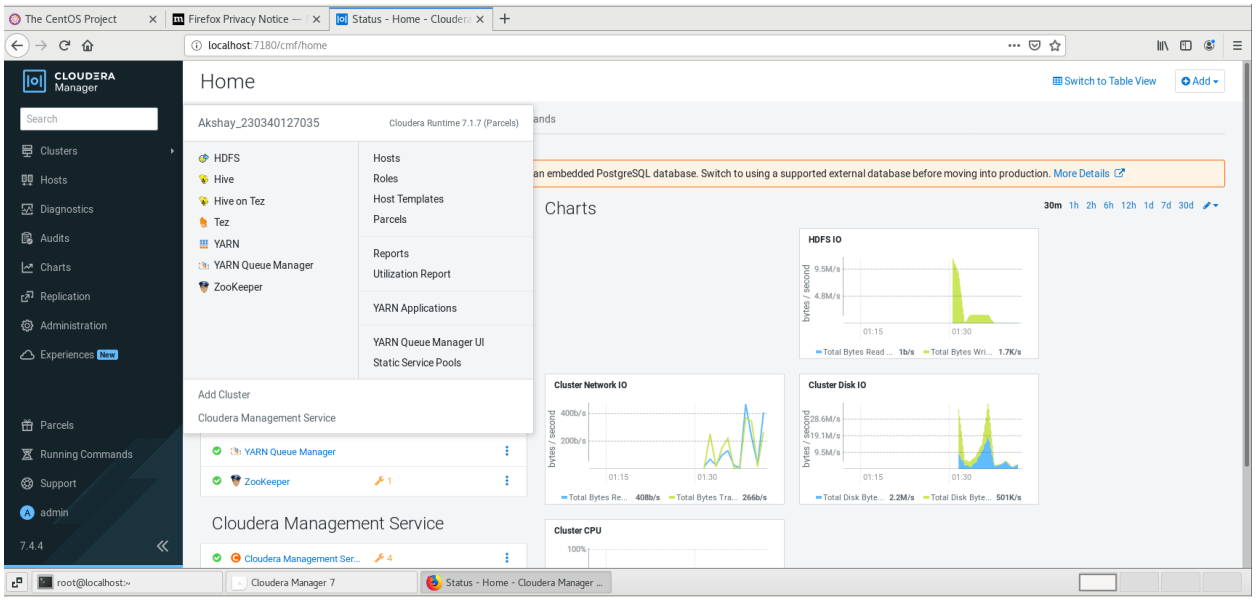

Add Cluster - Configuration - Cloudera Manager - Mozilla Firefox
Welcome to CentOS
Add Cluster - Configuratio
localhost:7180/cmf/clusters/1546333357/express-add-services/index?proceed=true
CLOUDERA Manager
Search
Clusters
Hosts
Diagnostics
Audits
Charts
Replication
Administration
Experiences New
Parcels
Running Commands 1
Support
admin
7.4.4
Add Cluster - Configuration
Select Services
Assign Roles
Setup Database
4 Enter Required Parameters
5 Review Changes
6 Command Details
7 Summary
Enter Required Parameters
No additional configurations are required.
← Back
Continue →
root@master:~
Cloudera Manager 7
Add Cluster - Configuration - Cloud...


Applications Places Firefox
Add Cluster - Configuration - Cloudera Manager - Mozilla Firefox
The CentOS Project
Firefox Privacy Notice —
New Tab
Add Cluster - Configuratio
localhost:7180/cmf/clusters/1546333352/express-add-services/index?proceed=true
CLOUDERA Manager
Search
Clusters
Hosts
Diagnostics
Audits
Charts
Replication
Administration
Experiences New
Parcels
Running Commands
Support
admin
7.4.4
Add Cluster - Configuration
Select Services
Assign Roles
Setup Database
Enter Required Parameters
Review Changes
6 Command Details
7 Summary
Command Details
First Run Command
Status Finished
Context Akshay_230340127035
Jul 3, 1:28:12 AM
3.3m
Finished First Run of the following services successfully: ZooKeeper, HDFS, YARN Queue Manager, YARN, Hive, Tez, Hive on Tez, Cloudera Management Service.
Completed 1 of 1 step(s).
Show All Steps
Show Only Failed Steps
Show Only Running Steps
Run a set of services for the first time.
Jul 3, 1:28:12 AM
3.3m
← Back
Continue →


Welcome to CentOS
Add Cluster - Configuratio
localhost:7180/cmf/clusters/1546333357/express-add-services/index?proceed=true
CLOUDERA Manager
Search
Clusters
Hosts
Diagnostics
Audits
Charts
Replication
Administration
Experiences New
Parcels
Running Commands 1
Support
admin
7.4.4
Add Cluster - Configuration
Select Services
Assign Roles
Setup Database
Enter Required Parameters
Review Changes
Command Details
7 Summary
Summary
The services are installed, configured, and running on your cluster.
← Back
Finish →


Home
MASTER
node1
Applications Places Firefox
Sun 23:34
Add Cluster - Configuration - Cloudera Manager - Mozilla Firefox
Welcome to CentOS
Add Cluster - Configuratio
localhost:7180/cmf/clusters/1546333357/express-add-services/index?proceed=true
CLOUDERA Manager
Search
Clusters
Hosts
Diagnostics
Audits
Charts
Replication
Administration
Experiences New
Parcels
Running Commands
Support
admin
7.4.4
Service Monitor Storage Directory
firehose.storage.base.directory
firehose_storage_dir
Service Monitor Default Group
/var/lib/cloudera-service-monitor
Enable Kerberos Authentication
kerberos.auth.enabled
kerberos.auth.enabled
Akshay_230340127035 > YARN Queue Manager (Service-Wide)
Location for config-service DB
config_service_db_loc
config_service_db_loc
Akshay_230340127035 > YARN Queue Manager Store Default Group
jdbc:h2:~/config-service
YARN Queue Manager Dynamic Configuration Tech Preview
queuemanager_setting_techpreview_dynamicconfig
queuemanager_setting_techpreview_dynamicconfig
Akshay_230340127035 > YARN Queue Manager Webapp Default Group
YARN Queue Manager Webapp Port
queuemanager_webapp_port
queuemanager_webapp_port
Akshay_230340127035 > YARN Queue Manager Webapp Default Group
8082
Enable TLS/SSL for YARN Queue Manager Store
queuemanager_store_ssl_enabled
ssl_enabled
Akshay_230340127035 > YARN Queue Manager Store Default Group
YARN Queue Manager Store TLS/SSL Server JKS Keystore File Location
queuemanager_store_keystore_file
ssl_server_keystore_location
Akshay_230340127035 > YARN Queue Manager Store Default Group
Rows per page: 25
1 - 25 of 40
← Back
Continue →
root@master:~
Cloudera Manager 7
Add Cluster - Configuration - Cloud...


Status - Akshay_230340127035 - Cloudera Manager - Mozilla Firefox
localhost:7180/cmf/clusters/1546333352/status
CLOUDERA Manager
Akshay_230340127035
Actions
Status
Health Issues
Configuration
You are running Cloudera Manager in non-production mode, which uses an embedded PostgreSQL database. Switch to using a supported external database before moving into production. More Details
Status
Cloudera Runtime 7.1.7 (Parcels)
1 Hosts
HDFS
Hive
Hive on Tez
Tez
YARN
YARN Queue Manager
ZooKeeper
Charts
30m 1h 2h 6h 12h 1d 7d 30d
HDFS IO
Cluster Network IO
Cluster Disk IO
Cluster CPU
Data Contexts
Create
Clusters
Hosts
Diagnostics
Audits
Charts
Replication
Administration
Experiences New
Parcels
Running Commands
Support
admin
7.4.4


localhost:7180/cmf/home
CLOUDERA Manager
Home
Switch to Table View
Add
Akshay_230340127035
Cloudera Runtime 7.1.7 (Parcels)
HDFS
Hive
Hive on Tez
Tez
YARN
YARN Queue Manager
ZooKeeper
Hosts
Roles
Host Templates
Parcels
Reports
Utilization Report
YARN Applications
YARN Queue Manager UI
Static Service Pools
Add Cluster
Cloudera Management Service
Charts
30m 1h 2h 6h 12h 1d 7d 30d
HDFS IO
Cluster Network IO
Cluster Disk IO
Cluster CPU
Cloudera Management Service
Clusters
Hosts
Diagnostics
Audits
Charts
Replication
Administration
Experiences New
Parcels
Running Commands
Support
admin
7.4.4