

Randal Scott King

Section 2

Installing and Configuring Hadoop





In this Section, we are going to take a look at...

- Downloading and Installing Cloudera Quickstart
- Overview of Hue GUI
- Configuring Hadoop Parameters



1x

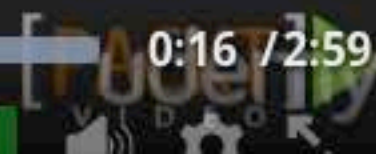


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0:16 / 2:59

Randal Scott King

Video 2.1

Downloading and Installing Hadoop



In this Video, we are going to take a look at...

- Downloading Quickstart from Cloudera.com
- Installing the Quickstart Virtual Machine

cloudera

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Nominations now open.
Recognizing CDH users for their
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How big data is redefining business models
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Explore innovations, how-to's, and documentation, and get hands-on with Apache Hadoop.

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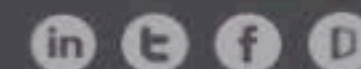
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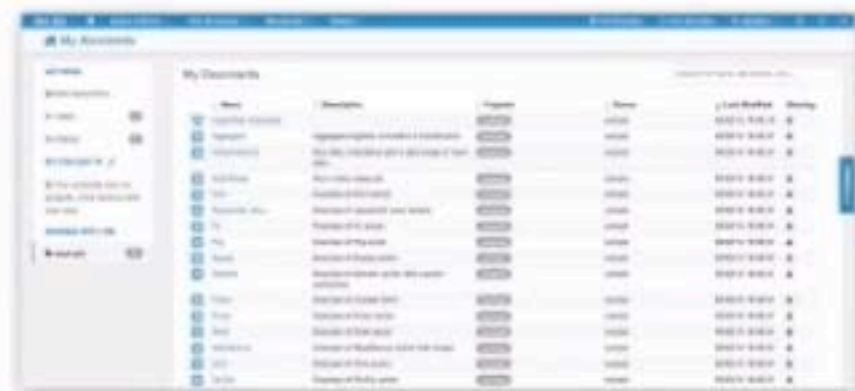
Cloudera Downloads

Get Started With Hadoop

Try a live demo of Hadoop, right now!

Cloudera Live is the fastest and easiest way to get started with Apache Hadoop and it now includes self-guided, interactive demos, and tutorials. This free Hadoop environment lets you:

- Learn the basics of Hadoop (and CDH) through pre-loaded, hands-on tutorials
- Plan your Hadoop project using your own datasets
- Explore the latest features in CDH
- Extend the capabilities of Hadoop and CDH through familiar partner tools, including Tableau and Zoomdata



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QuickStart VMs

Get started with a single-node Hadoop cluster.



Cloudera Director

Self-service, reliable experience for CDH and Cloudera Enterprise in the cloud



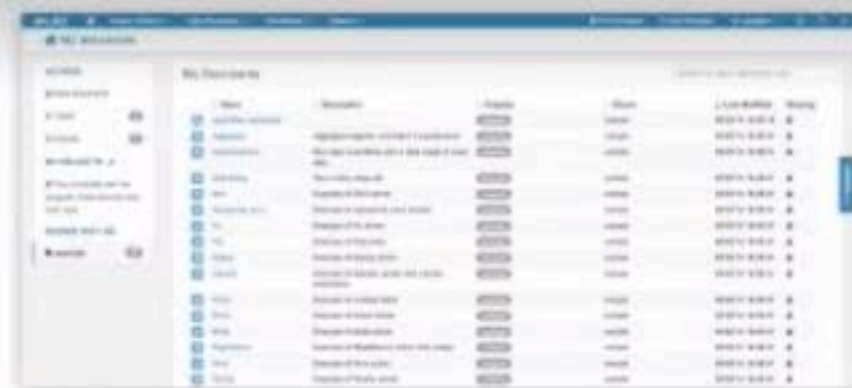
Cloudera Manager

A unified interface to manage your enterprise data hub. Express and Enterprise editions available.



CDH

Cloudera's completely open source Hadoop platform.



Try a live demo of Hadoop, right now!

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- Plan your Hadoop project using your own datasets
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- Extend the capabilities of Hadoop and CDH through familiar partner tools, including Tableau and Zoomdata

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QuickStart VMs

Get started with a single-node Hadoop cluster.

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Cloudera Director

Self-service, reliable experience for CDH and Cloudera Enterprise in the cloud

[Download Now! >](#)



Cloudera Manager

A unified interface to manage your enterprise data hub. Express and Enterprise editions available.

[Download Now! >](#)



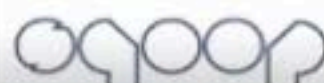
CDH

Cloudera's completely open source Hadoop platform.

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Cloudera Connectors

Co-developed with select solution partners



CDH Components

Extend your solution

The VMs run CentOS 6.4 and are available for VMware, VirtualBox, and KVM.

All require a 64-bit host OS.

Version: QuickStart VM with CDH 5.4.x

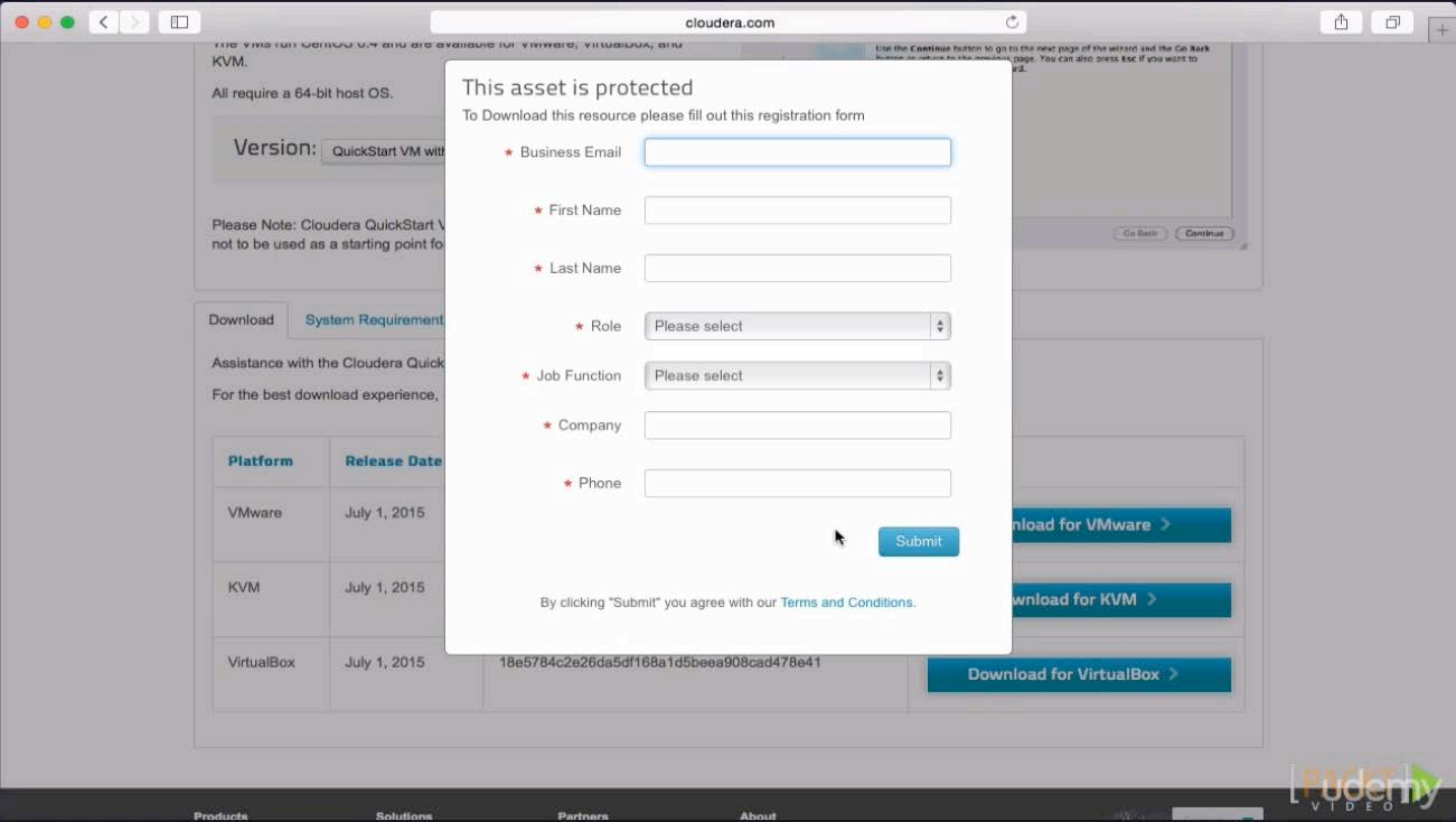
Please Note: Cloudera QuickStart VMs are for demo purposes only and are not to be used as a starting point for clusters.



- Download
- System Requirements
- Installed Products
- Getting Started

Assistance with the Cloudera Quickstart VM is available through the [Cloudera Community](#).
For the best download experience, use of a Download Manager is highly recommended!

Platform	Release Date	Hash	Bits
VMware	July 1, 2015	013a336f70feae0235f443833e08644d09b65b61	Download for VMware >
KVM	July 1, 2015	d42d6e516bdac5cfd69a9f8ce90e874e6576dd49	Download for KVM >
VirtualBox	July 1, 2015	18e5784c2e26da5df168a1d5beea908cad478e41	Download for VirtualBox >



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★ Job Function

★ Company

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The Virtual CentOS 6.4 and are available for VMware, VirtualBox, and KVM.

All require a 64-bit host OS.

Version: QuickStart VM with

Please Note: Cloudera QuickStart VMs are not to be used as a starting point for

Download [System Requirements](#)

Assistance with the Cloudera QuickStart VMs
For the best download experience,

Platform	Release Date
VMware	July 1, 2015
KVM	July 1, 2015
VirtualBox	July 1, 2015

18e5784c2e26da5df168a1d5beea908cad478e41

Use the Continue button to go to the next page of the wizard and the Go Back button to return to the previous page. You can also press ESC if you want to

[Go Back](#) [Continue](#)

[Download for VMware >](#)

[Download for KVM >](#)

[Download for VirtualBox >](#)



Downloading and Installing Hadoop

Section 2, Lecture 7

[Go to Dashboard](#)

BD



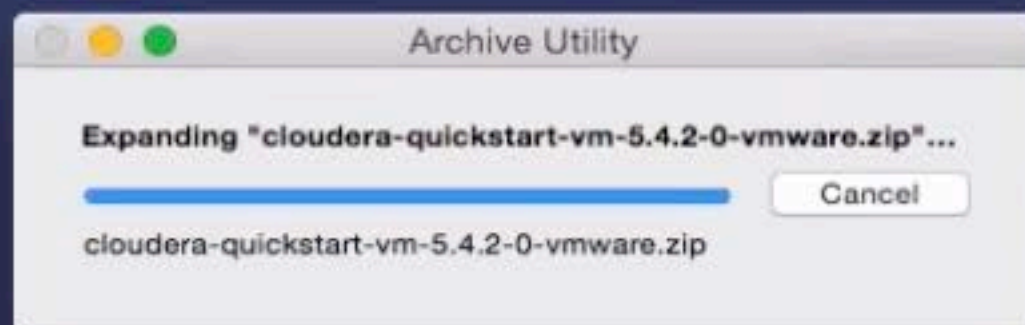
Clients



Home



cloudera-quickst...are.zip



1x



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cloudera-quickstart-vm-5.4.2-0-vmware

Search

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- Movies
- Music
- Pictures

Tags

- Red
- Orange

Name	Date Modified	Size
cloudera-quickstart...vmware-s020.vmdk	Jun 9, 2015, 4:12 PM	295.2 MB
cloudera-quickstart...vmware-s021.vmdk	Jun 9, 2015, 4:12 PM	201.5 MB
cloudera-quickstart...vmware-s022.vmdk	Jun 9, 2015, 4:12 PM	172.4 MB
cloudera-quickstart...vmware-s023.vmdk	Jun 9, 2015, 4:12 PM	627 MB
cloudera-quickstart...vmware-s024.vmdk	Jun 9, 2015, 4:12 PM	216.5 MB
cloudera-quickstart...vmware-s025.vmdk	Jun 9, 2015, 4:12 PM	75.1 MB
cloudera-quickstart...vmware-s026.vmdk	Jun 9, 2015, 4:12 PM	152.2 MB
cloudera-quickstart...vmware-s027.vmdk	Jun 9, 2015, 4:12 PM	74.6 MB
cloudera-quickstart...vmware-s028.vmdk	Jun 9, 2015, 4:12 PM	380.7 MB
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cloudera-quickstart...vmware-s030.vmdk	Jun 9, 2015, 4:12 PM	328 KB
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cloudera-quickstart...2-0-vmware.nvram	Jun 9, 2015, 4:08 PM	9 KB
cloudera-quickstart...2-0-vmware.vmdk	Jun 9, 2015, 3:58 PM	3 KB
cloudera-quickstart...2-0-vmware.vmsd	Jun 9, 2015, 3:33 PM	Zero bytes
cloudera-quickstart...4.2-0-vmware.vmx	Jun 9, 2015, 4:09 PM	3 KB
cloudera-quickstart...4.2-0-vmware.vmx	Jun 9, 2015, 3:33 PM	292 bytes



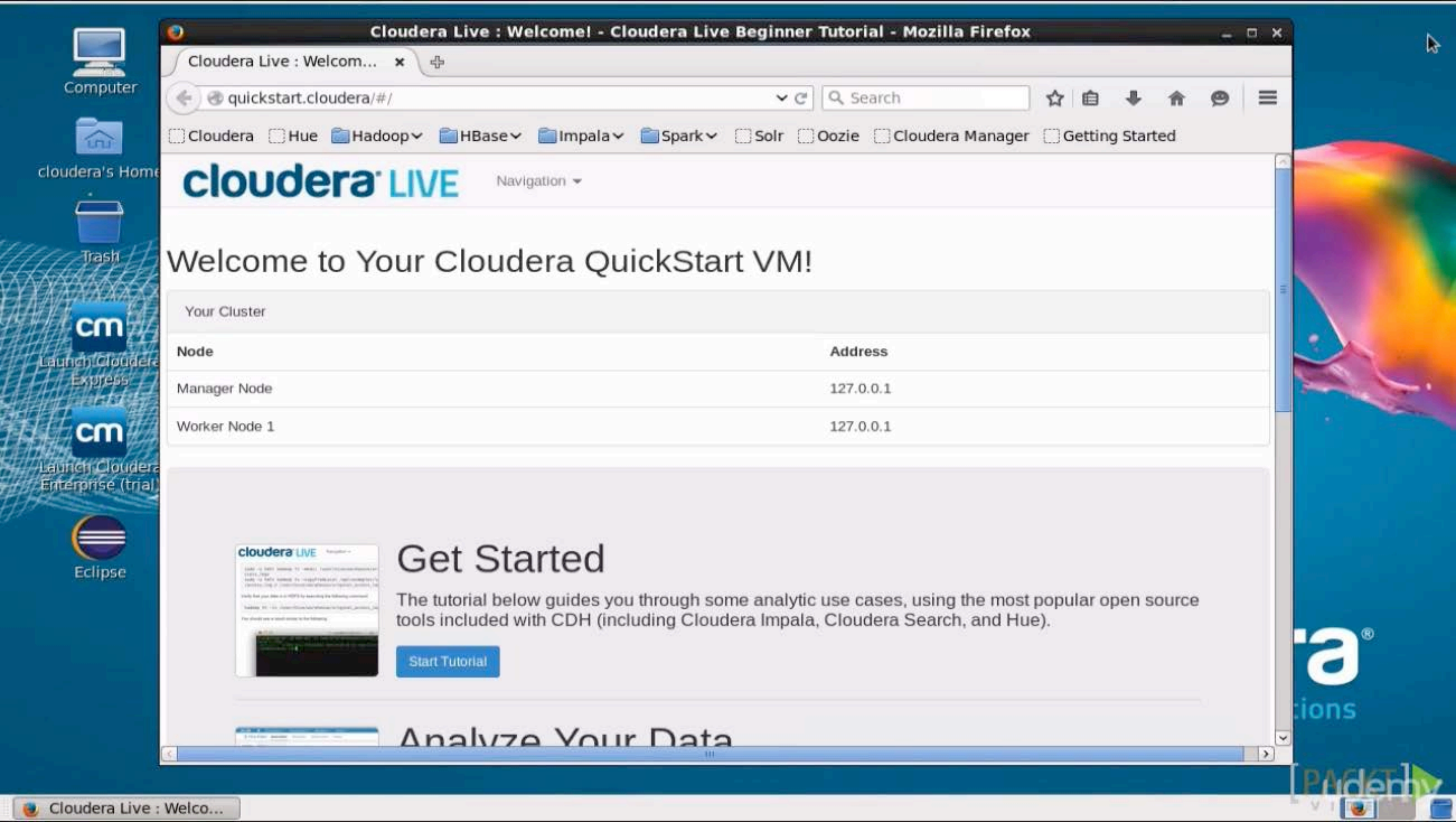
vmware®

Starting

Press F2 to enter SETUP, F12 for Network Boot, ESC for Boot Menu



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Ask Bigger Questions



Welcome to Your Cloudera QuickStart VM!

Your Cluster

Node	Address
Manager Node	127.0.0.1
Worker Node 1	127.0.0.1

Get Started

The tutorial below guides you through some analytic use cases, using the most popular open source tools included with CDH (including Cloudera Impala, Cloudera Search, and Hue).

Start Tutorial

Analyze Your Data

Next Video

Exploring Hue

Learning Hadoop 2

Randal Scott King

Video 2.2

Exploring Hue





In this Video, we are going to take a look at...

- Opening Hue with a browser
- HUE layout
- Creating users

Cloudera Live : Welcome! - Cloudera Live Beginner Tutorial - Mozilla Firefox

Cloudera Live : Welcom... x +

quickstart.cloudera/#!/

Search

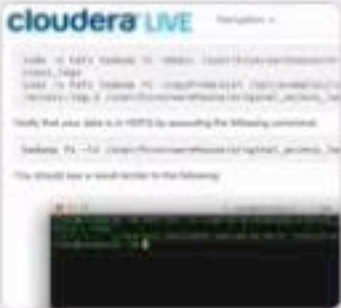
Cloudera Hue Hadoop HBase Impala Spark Solr Oozie Cloudera Manager Getting Started

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Welcome to Your Cloudera QuickStart VM!

Your Cluster


Node	Address
Manager Node	127.0.0.1
Worker Node 1	127.0.0.1



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[Start Tutorial](#)



Analyze Your Data



era[®]
Questions

Welcome to Your Cloudera QuickStart VM!

Your Cluster	
Node	Address
Manager Node	127.0.0.1
Worker Node 1	127.0.0.1



Get Started

The tutorial below guides you through some analytic use cases, using the most popular open source tools included with CDH (including Cloudera Impala, Cloudera Search, and Hue).

Start Tutorial



Analyze Your Data

Hue is the open source web interface for Hadoop that lets you analyze your data. Simply load in your data and then easily begin to analyze, search, and visualize it. In the QuickStart VM, the administrative username for Hue is 'cloudera' and the password is

Quick Start Wizard - Hue™ 3.7.0 - The Hadoop UI

Step 1: Check Configuration Step 2: Examples Step 3: Users Step 4: Go!

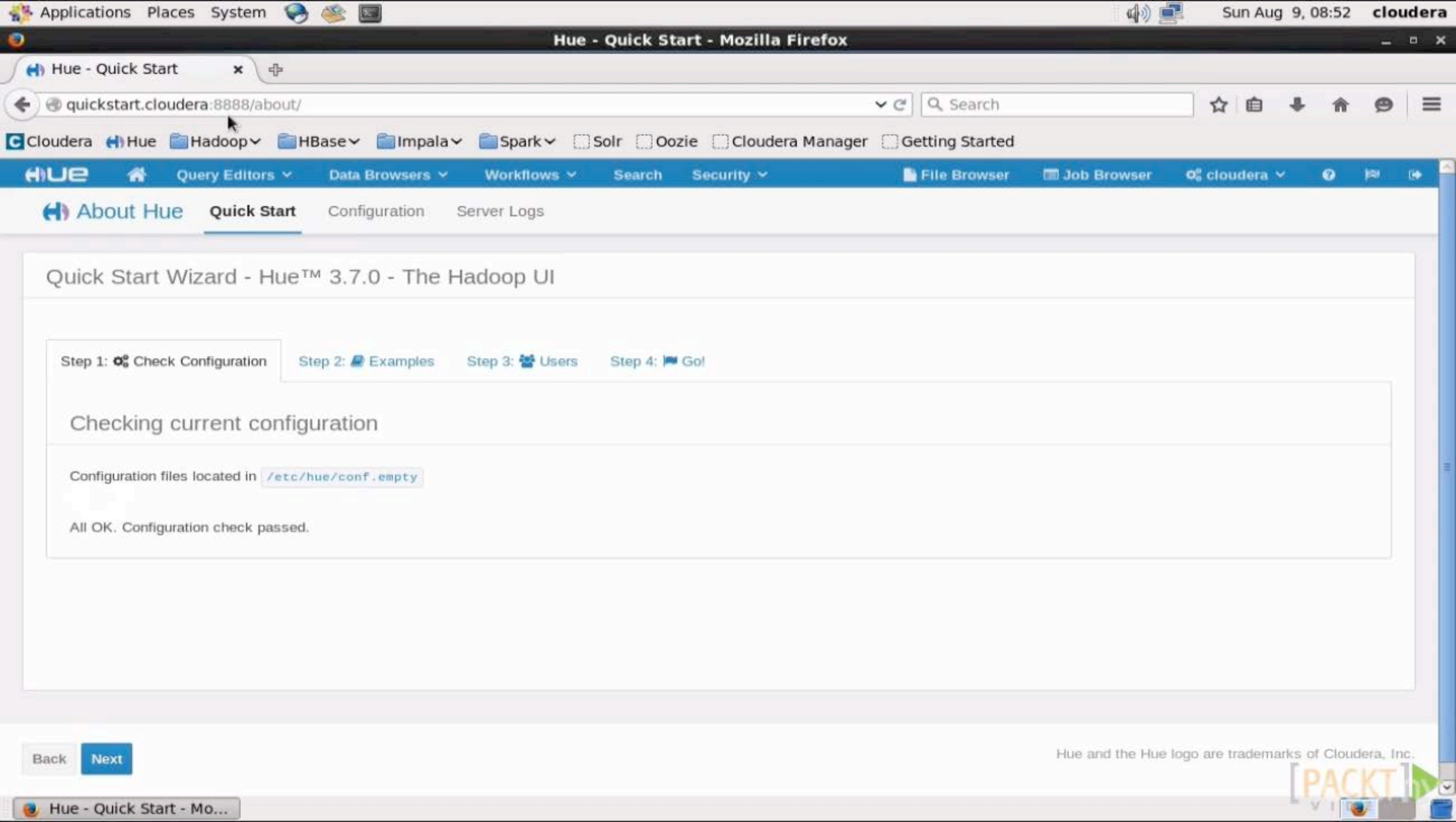
Checking current configuration

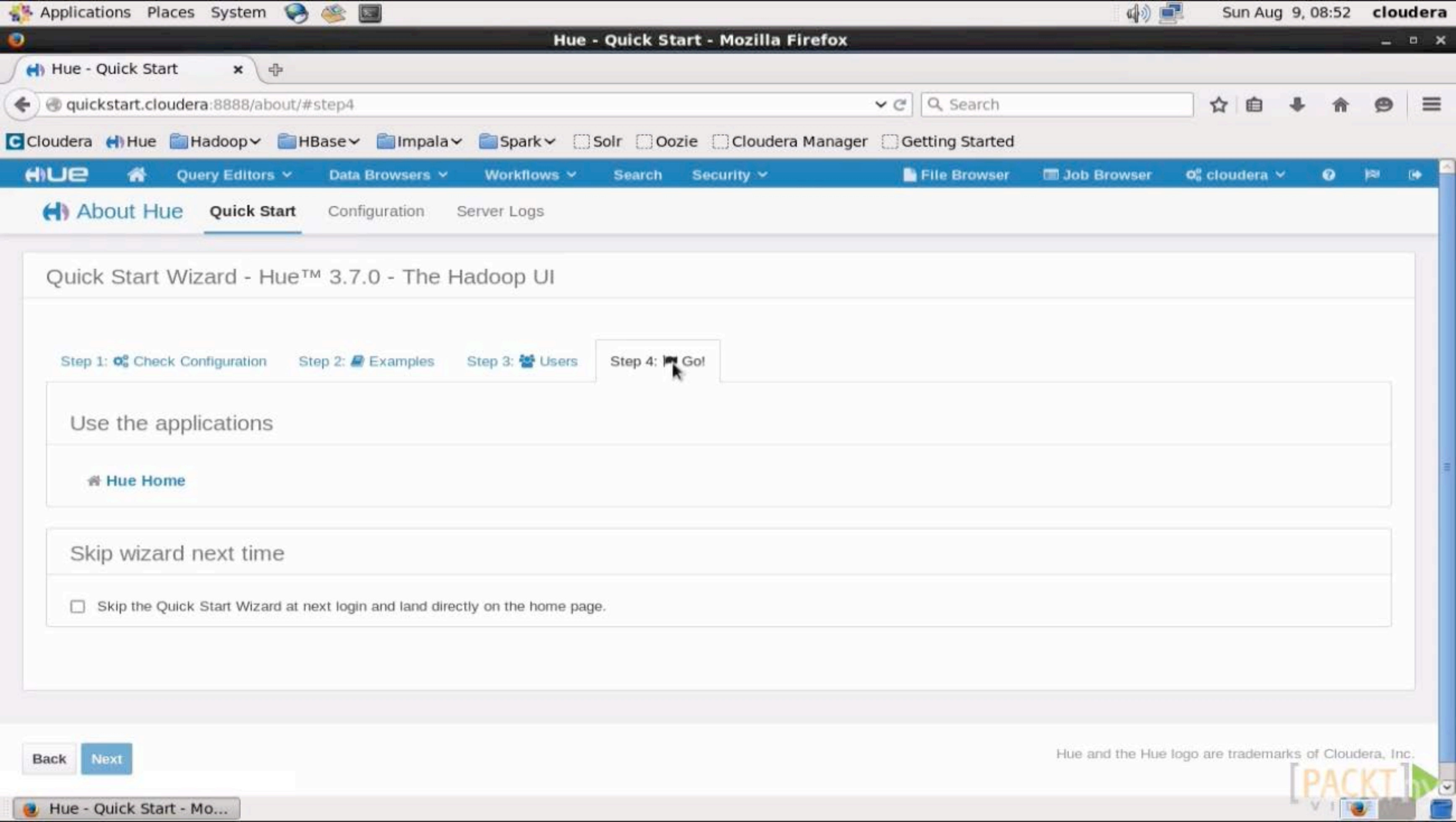
Configuration files located in `/etc/hue/conf.empty`

All OK. Configuration check passed.

Back Next

Hue and the Hue logo are trademarks of Cloudera, Inc.





My documents

ACTIONS

+ New document

trash 0

MY PROJECTS +

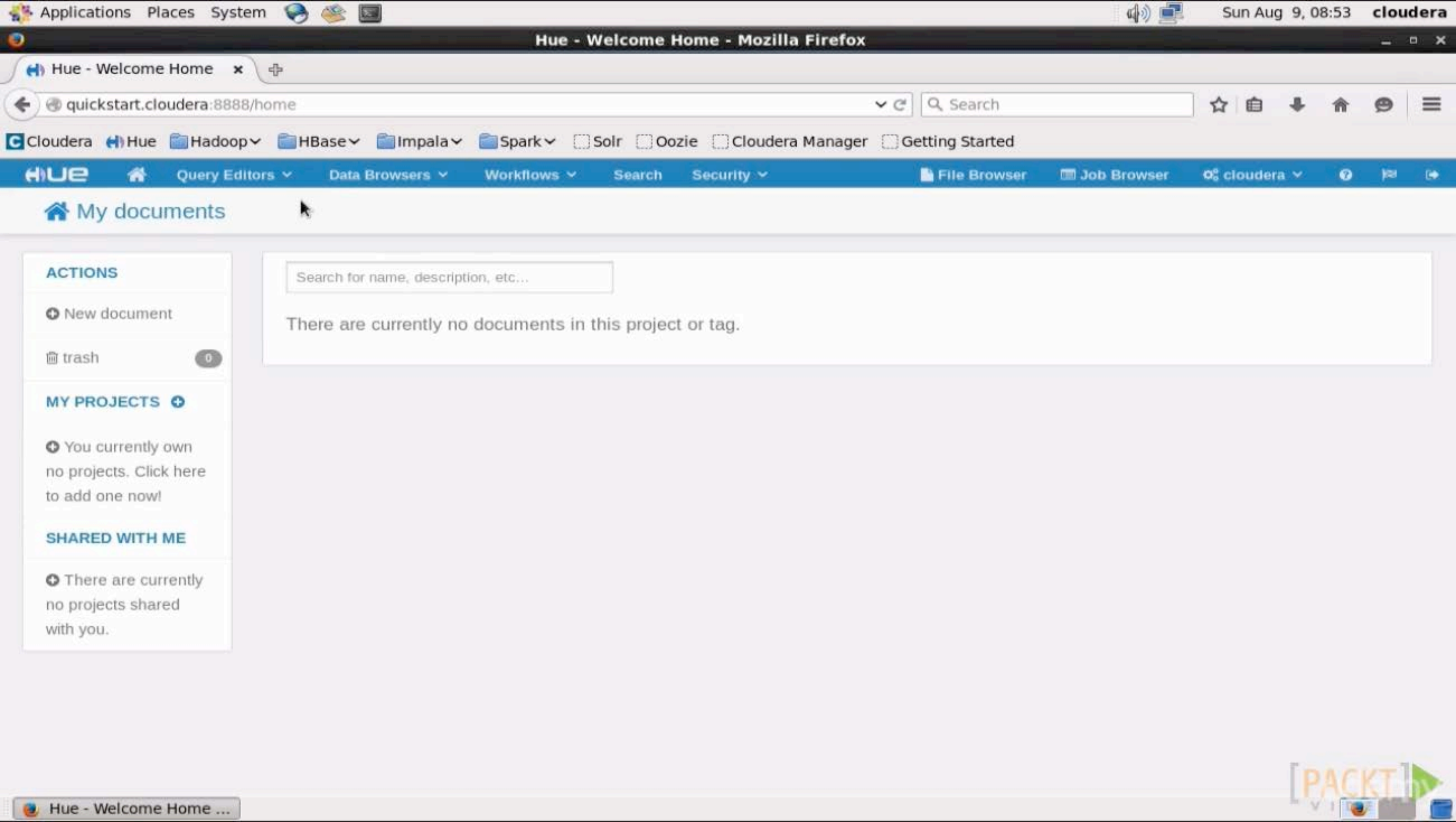
+ You currently own no projects. Click here to add one now!

SHARED WITH ME

+ There are currently no projects shared with you.

Search for name, description, etc...

There are currently no documents in this project or tag.



- Hive
- Impala
- DB Query
- Pig
- Job Designer

ACTIONS

- New document
- trash

MY PROJECTS

You currently own no projects. Click here to add one now!

SHARED WITH ME

There are currently no projects shared with you.

for name, description, etc...

There are currently no documents in this project or tag.

My documents

ACTIONS

+ New document

trash 0

MY PROJECTS +

+ You currently own no projects. Click here to add one now!

SHARED WITH ME

+ There are currently no projects shared with you.

- Metastore Tables
- HBase
- Sqoop Transfer

There are currently no documents in this project or tag.

My documents

ACTIONS

+ New document

trash 0

MY PROJECTS +

+ You currently own no projects. Click here to add one now!

SHARED WITH ME

+ There are currently no projects shared with you.

Search for name, description, etc...

There are currently no documents in this project or tag.

- Edit Profile
- Manage Users

My documents

ACTIONS

+ New document

trash 0

MY PROJECTS +

+ You currently own no projects. Click here to add one now!

SHARED WITH ME

+ There are currently no projects shared with you.

Search for name, description, etc...

There are currently no documents in this project or tag.

- Edit Profile
- Manage Users

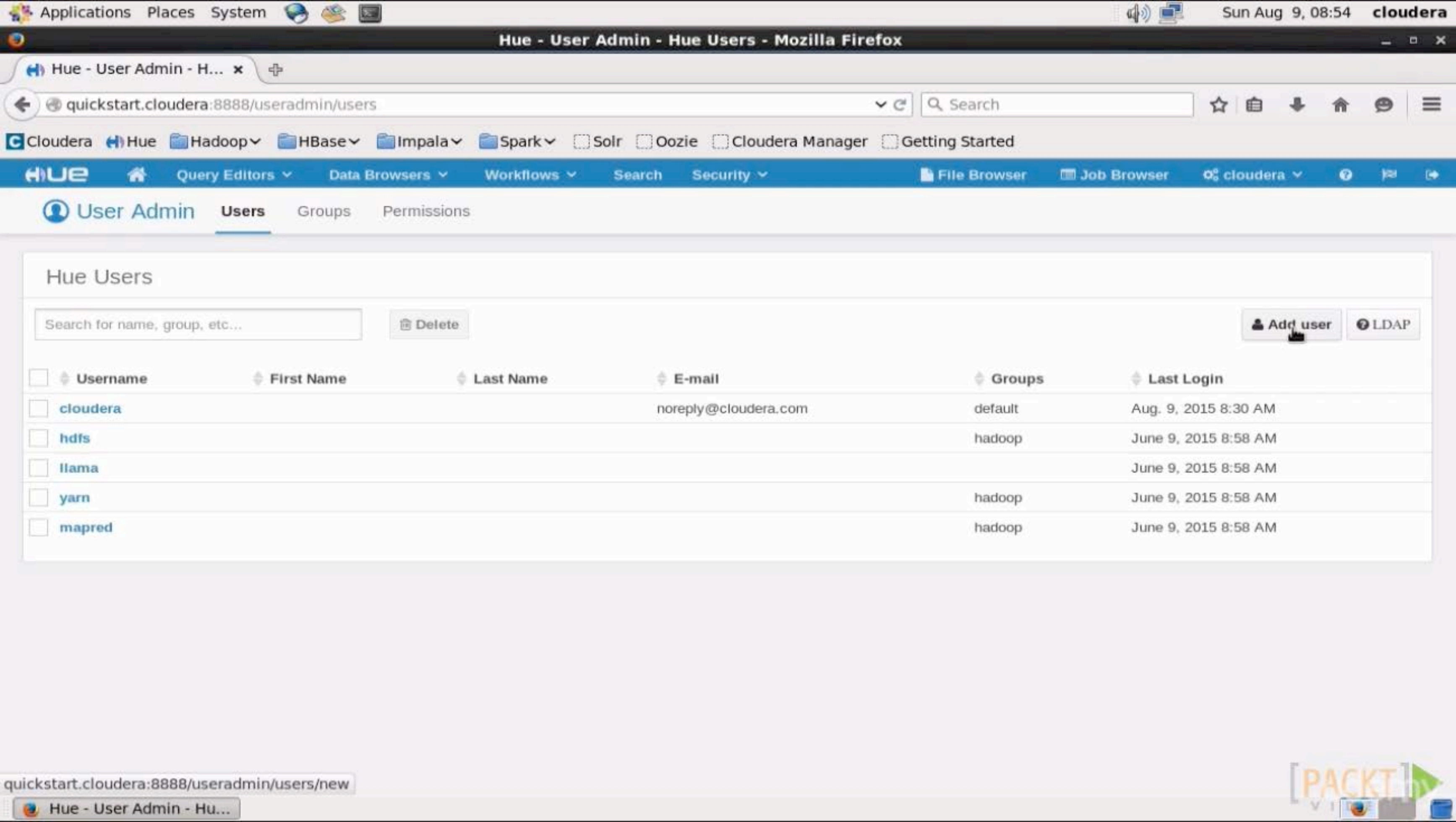
Hue Users

Delete

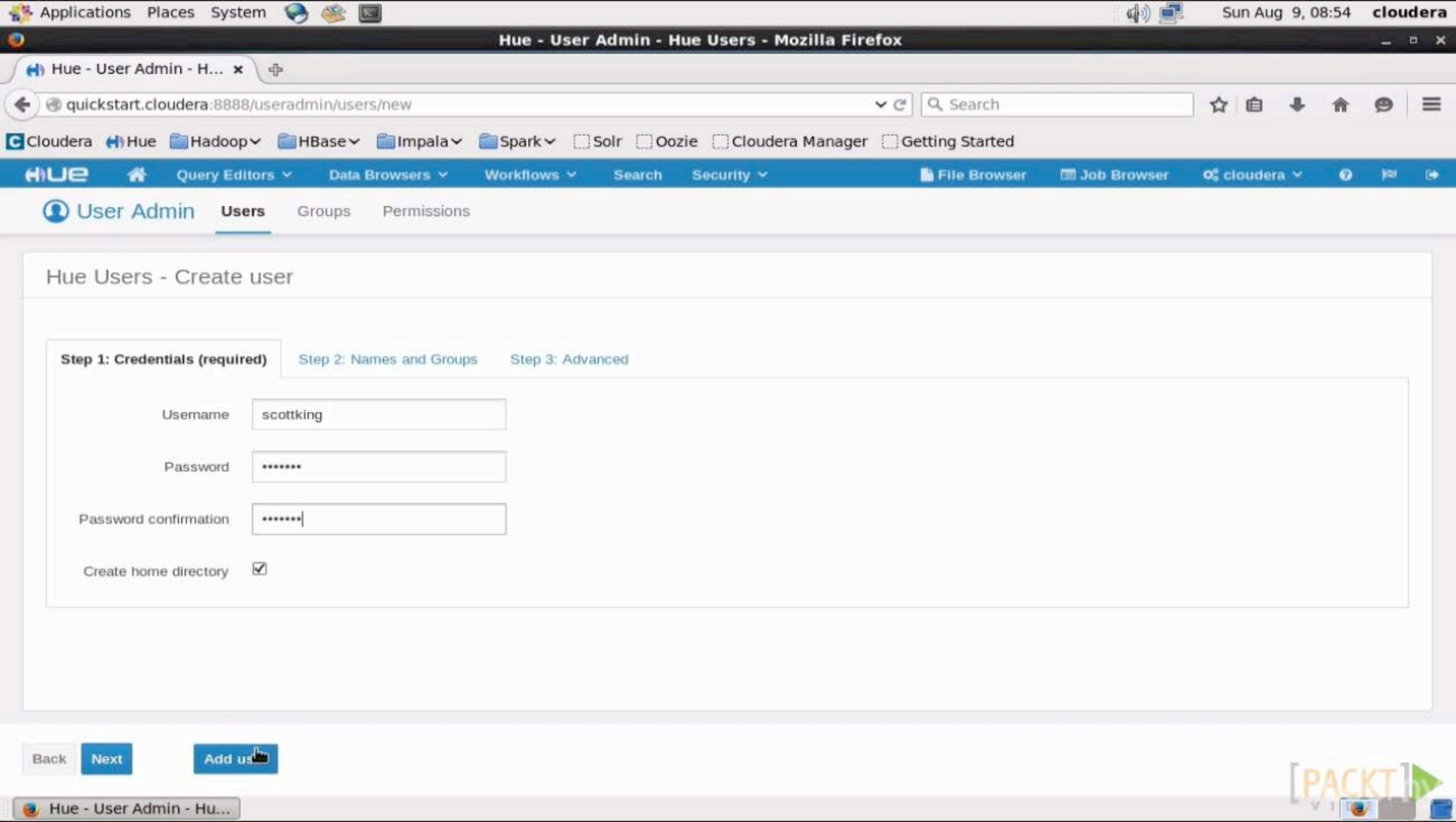
Add userLDAP

<input type="checkbox"/>	Username	First Name	Last Name	E-mail	Groups	
<input type="checkbox"/>	cloudera			noreply@cloudera.com	default	Aug. 9, 2015 8:30 AM
<input type="checkbox"/>	hdfs				hadoop	June 9, 2015 8:58 AM
<input type="checkbox"/>	llama					June 9, 2015 8:58 AM
<input type="checkbox"/>	yarn				hadoop	June 9, 2015 8:58 AM
<input type="checkbox"/>	mapred				hadoop	June 9, 2015 8:58 AM

Learn how to integrate Hue with your company



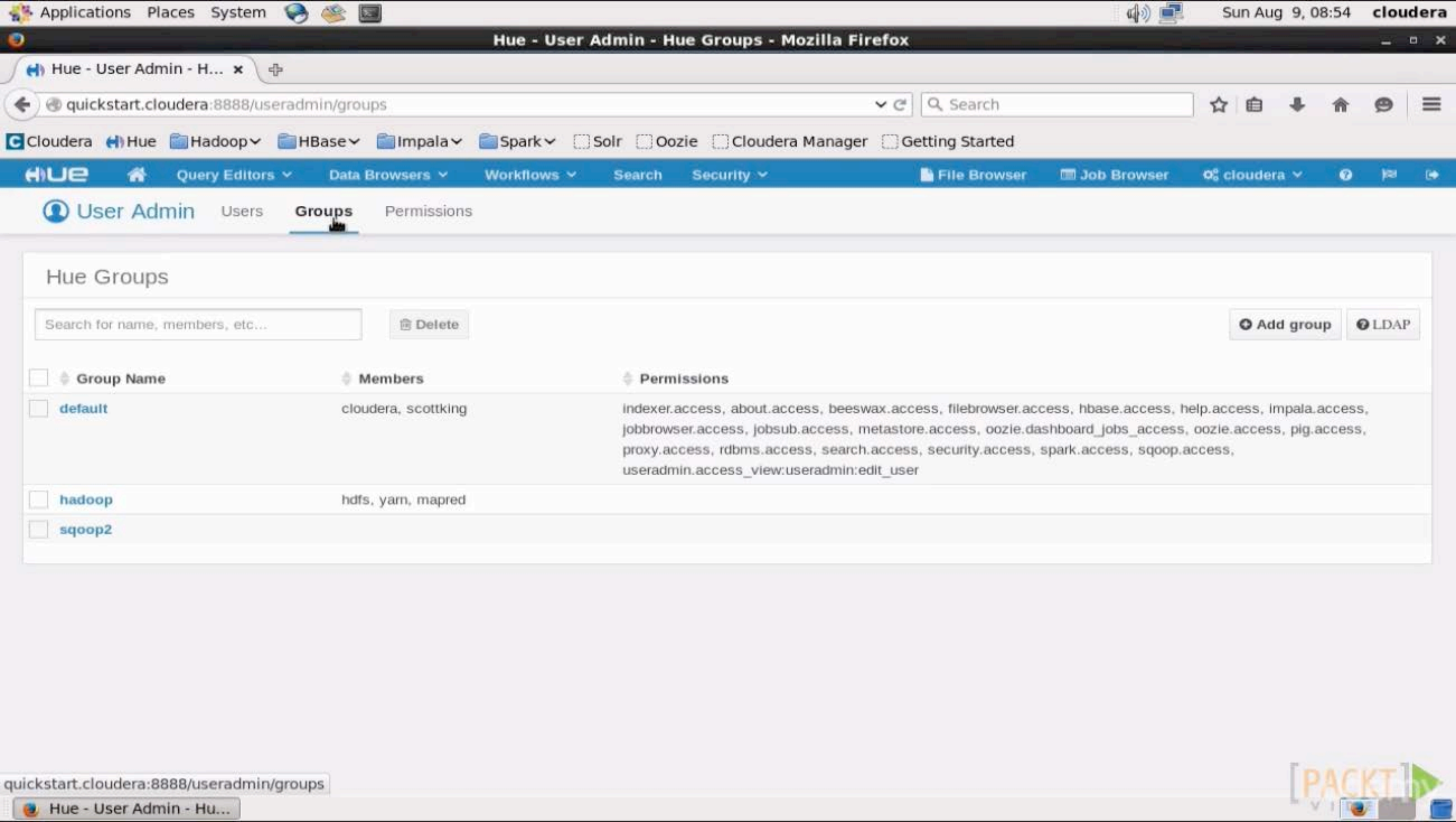
Hue Users						
<input type="text" value="Search for name, group, etc..."/>			<input type="button" value="Delete"/>		<input type="button" value="Add user"/> <input type="button" value="LDAP"/>	
<input type="checkbox"/>	Username	First Name	Last Name	E-mail	Groups	Last Login
<input type="checkbox"/>	cloudera			noreply@cloudera.com	default	Aug. 9, 2015 8:30 AM
<input type="checkbox"/>	hdfs				hadoop	June 9, 2015 8:58 AM
<input type="checkbox"/>	llama					June 9, 2015 8:58 AM
<input type="checkbox"/>	yarn				hadoop	June 9, 2015 8:58 AM
<input type="checkbox"/>	mapred				hadoop	June 9, 2015 8:58 AM

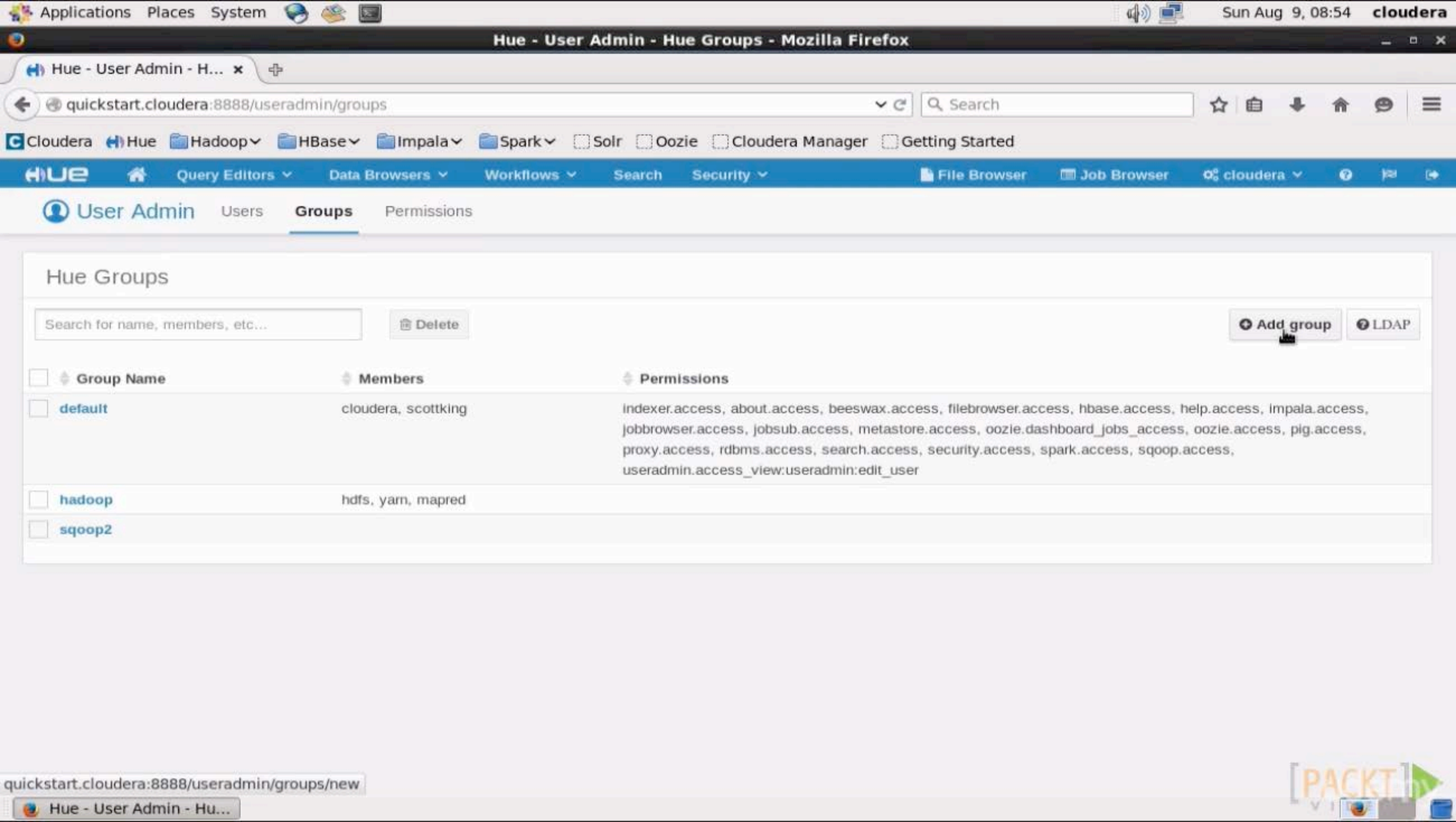


Hue Users

<input type="checkbox"/>	Username	First Name	Last Name	E-mail	Groups	Last Login
<input type="checkbox"/>	cloudera			noreply@cloudera.com	default	Aug. 9, 2015 8:30 AM
<input type="checkbox"/>	hdfs				hadoop	June 9, 2015 8:58 AM
<input type="checkbox"/>	llama					June 9, 2015 8:58 AM
<input type="checkbox"/>	yarn				hadoop	June 9, 2015 8:58 AM
<input type="checkbox"/>	mapred				hadoop	June 9, 2015 8:58 AM
<input type="checkbox"/>	scottking				default	Aug. 9, 2015 8:54 AM

Edit scottking





Hue Groups

Search for name, members, etc... Delete Add group LDAP

<input type="checkbox"/> Group Name	<input type="checkbox"/> Members	<input type="checkbox"/> Permissions
<input type="checkbox"/> default	cloudera, scottking	indexer.access, about.access, beeswax.access, filebrowser.access, hbase.access, help.access, impala.access, jobbrowser.access, jobsub.access, metastore.access, oozie.dashboard_jobs_access, oozie.access, pig.access, proxy.access, rdbms.access, search.access, security.access, spark.access, sqoop.access, useradmin.access_view:useradmin:edit_user
<input type="checkbox"/> hadoop	hdfs, yarn, mapred	
<input type="checkbox"/> sqoop2		

File Browser

Actions Move to trash

Upload New

Home / user / cloudera

History Trash

	Name	Size	User	Group	Permissions	Date
<input type="checkbox"/>			hdfs	supergroup	drwxr-xr-x	August 09, 2015 08:54 AM
<input type="checkbox"/>	.		cloudera	cloudera	drwxr-xr-x	June 09, 2015 08:54 AM

File Browser

Search for file name

Actions

Move to trash

Upload

New

Home / user / cloudera

History Trash

<input type="checkbox"/>	Name	Size	User	Group	Permissions	Date
<input type="checkbox"/>	1		hdfs	supergroup	drwxr-xr-x	August 09, 2015 08:54 AM
<input type="checkbox"/>	.		cloudera	cloudera	drwxr-xr-x	June 09, 2015 08:54 AM

File Browser

Search for file name

Actions

Move to trash

Upload

New

Home / user / cloudera

History Trash

<input type="checkbox"/>	Name	Size	User	Group	Permissions	Date
<input type="checkbox"/>	1		hdfs	supergroup	drwxr-xr-x	August 09, 2015 08:54 AM
<input type="checkbox"/>	.		cloudera	cloudera	drwxr-xr-x	June 09, 2015 08:54 AM

File Browser

Search for file name Actions Move to trash Upload New

<input type="checkbox"/>	Name	Size	User	Group	Permissions	Date
<input type="checkbox"/>	1		hdfs	supergroup	drwxr-xr-x	August 09, 2015 08:26 AM
<input type="checkbox"/>	.		hdfs	supergroup	drwxr-xr-x	August 09, 2015 08:54 AM
<input type="checkbox"/>	admin		admin	supergroup	drwxr-xr-x	June 09, 2015 08:56 AM
<input type="checkbox"/>	cloudera		cloudera	cloudera	drwxr-xr-x	June 09, 2015 08:54 AM
<input type="checkbox"/>	hdfs		hdfs	supergroup	drwxr-xr-x	August 09, 2015 08:31 AM
<input type="checkbox"/>	history		mapred	hadoop	drwxr-xr-x	June 09, 2015 08:54 AM
<input type="checkbox"/>	hive		hive	hive	drwxrwxrwx	June 09, 2015 08:55 AM
<input type="checkbox"/>	hue		hue	hue	drwxr-xr-x	August 09, 2015 08:43 AM
<input type="checkbox"/>	oozie		oozie	oozie	drwxrwxrwx	June 09, 2015 08:56 AM
<input type="checkbox"/>	scottking		scottking	scottking	drwxr-xr-x	August 09, 2015 08:54 AM
<input type="checkbox"/>	spark		spark	spark	drwxr-xr-x	June 09, 2015 08:56 AM

File Browser

Search for file name

Actions

Move to trash

Upload

New

Home / user / scottking

History Trash

<input type="checkbox"/>	Name	Size	User	Group	Permissions	Date
<input type="checkbox"/>	hdfs		hdfs	supergroup	drwxr-xr-x	August 09, 2015 08:54 AM
<input type="checkbox"/>	.		scottking	scottking	drwxr-xr-x	August 09, 2015 08:54 AM

File Browser

Search for file name

Actions

Move to trash

Upload

New

Home / user / scottking

History Trash

<input type="checkbox"/>	Name	Size	User	Group	Permissions	Date
<input type="checkbox"/>	j		hdfs	supergroup	drwxr-xr-x	August 09, 2015 08:54 AM
<input type="checkbox"/>	.		scottking	scottking	drwxr-xr-x	August 09, 2015 08:54 AM

File Browser

Search for file name Actions Move to trash

Home / user / scottking

Upload New

- Files
- Zip/Tgz/Bz2 file

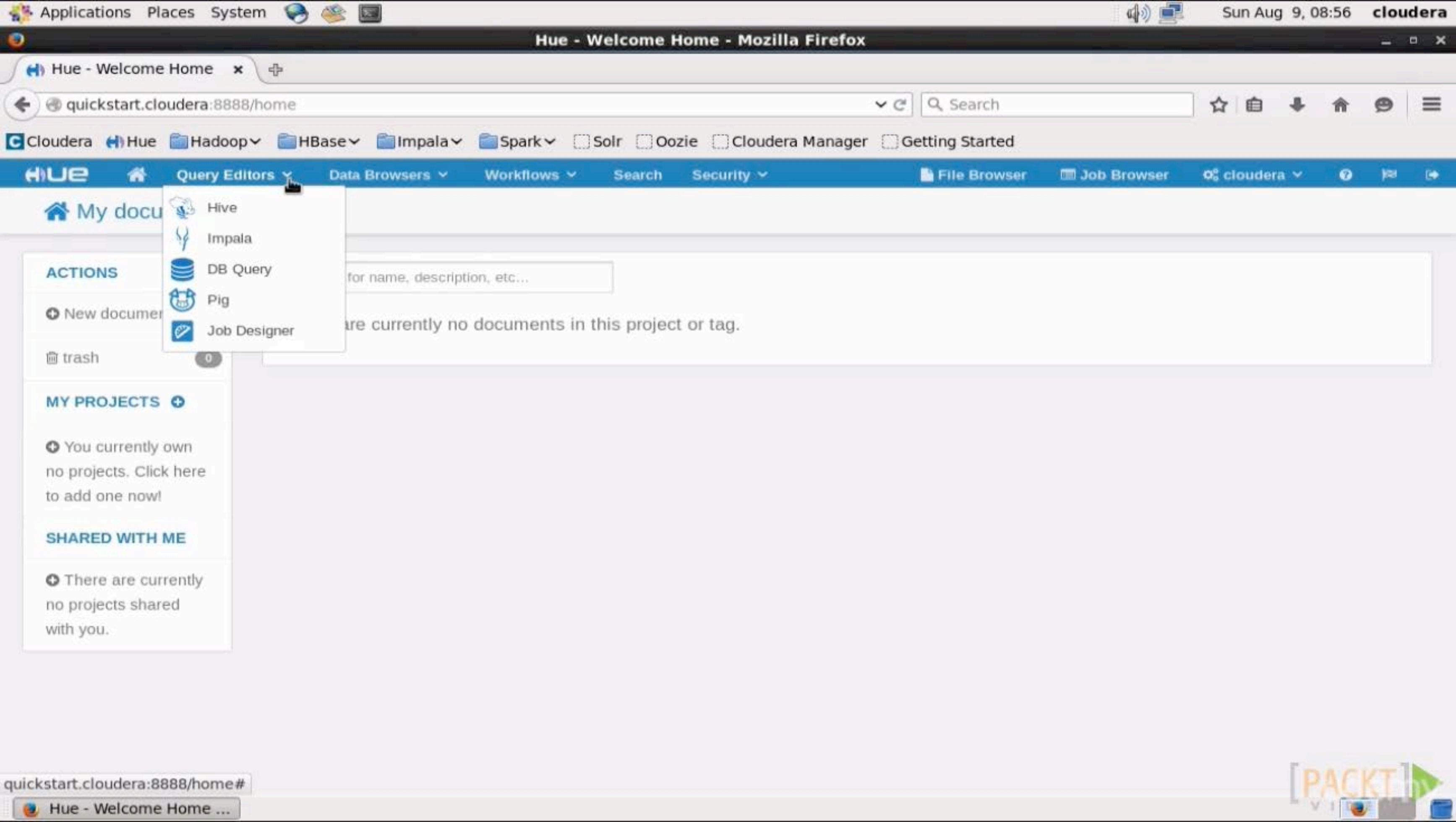
Trash

<input type="checkbox"/>	Name	Size	User	Group	Permissions	Date
<input type="checkbox"/>	1		hdfs	supergroup	drwxr-xr-x	August 09, 2015 08:54 AM
<input type="checkbox"/>	.		scottking	scottking	drwxr-xr-x	August 09, 2015 08:54 AM

Search for file name Actions Move to trash Upload New

Home / user / scottking History Trash

<input type="checkbox"/>	Name	Size	User	Group	Permissions	Date
<input type="checkbox"/>	hdfs		hdfs	supergroup	drwxr-xr-x	August 09, 2015 08:54 AM
<input type="checkbox"/>	.		scottking	scottking	drwxr-xr-x	August 09, 2015 08:54 AM



My documents

- Hive
- Impala
- DB Query
- Pig
- Job Designer

ACTIONS

New document

trash

MY PROJECTS

You currently own no projects. Click here to add one now!

SHARED WITH ME

There are currently no projects shared with you.

for name, description, etc...

are currently no documents in this project or tag.

Assist Settings

DATABASE

default

The selected database has no tables.

1 Example: `SELECT * FROM tablename`, or press CTRL + space

Execute Save as... Explain or create a New query

Recent queries		
Time	Query	Result
No data available		

Assist Settings

DATABASE

default

The selected database has no tables.

```
1 SELECT * from Packt
```

Execute Save as... Explain or create a New query

Recent queries		
Time	Query	Result
No data available		

Assist Settings

DATABASE

default

The selected database has no tables.

```
1 SELECT * from Packt
```

Execute Save as... Explain or create a New query

Recent queries Query Log Columns Results Chart

Time	Query	Result
No data available		

Summary

- Downloaded Cloudera Quickstart VM
- Explored Hue GUI

Next Section

Data Import and Export