

Configuring and Using Ranger KMS

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Configuring Ranger KMS High Availability

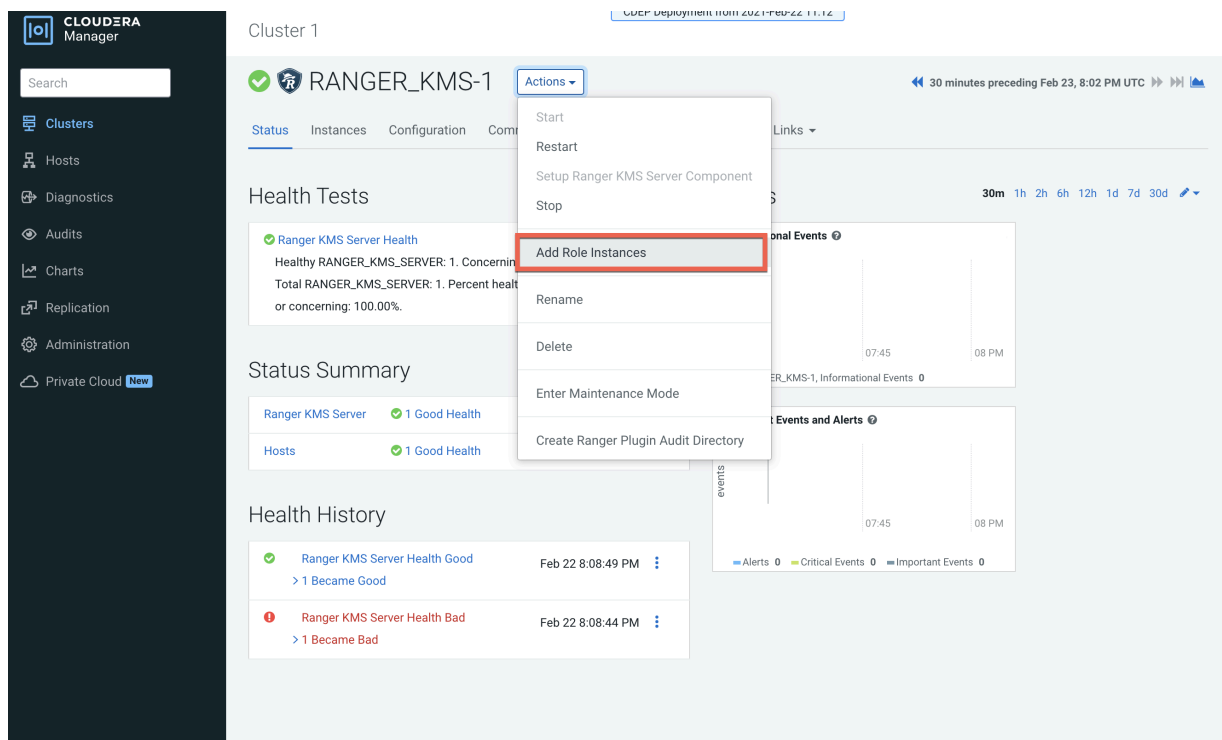
How to configure Ranger KMS high availability (HA) for Ranger KMS.

Configure High Availability for Ranger KMS with DB

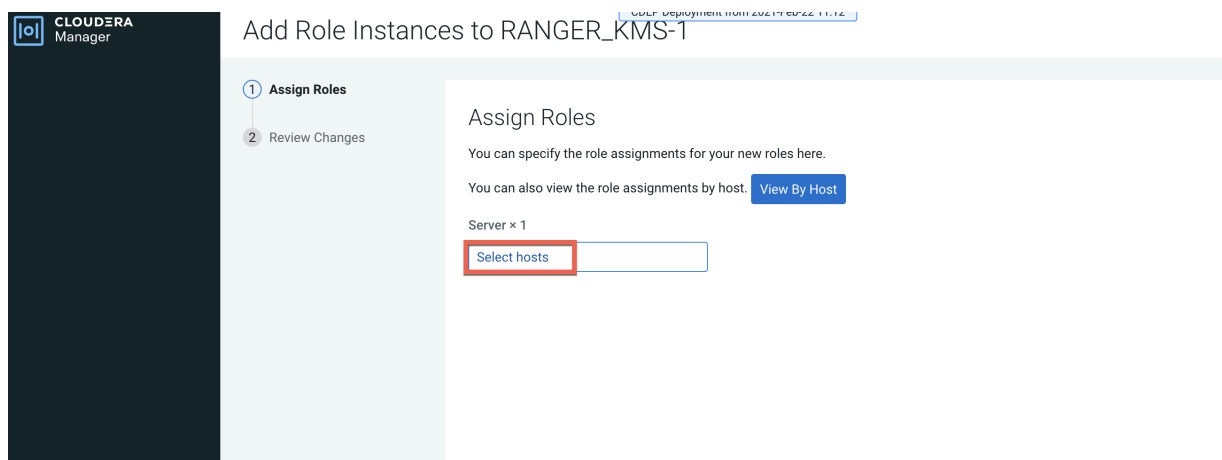
Use the following steps to configure high availability for Ranger KMS with an associated keystore database.

Procedure

1. In Cloudera Manager, select Ranger KMS, then select Actions > Add Role Instances.



2. On the Assign Roles page, click Select hosts.



- On the selected hosts page, select a backup Ranger KMS host. A Ranger KMS (RK) icon appears in the Added Roles column for the selected host. Click OK to continue.



Note: These steps show how to add one additional backup Ranger KMS host, but you can use the same procedure to add multiple Ranger KMS hosts.

2 Hosts Selected

Select hosts for a new or existing role. The host list is filtered to remove hosts that are not valid candidates; these include hosts that are unhealthy, members of other clusters, or have an incompatible version of the software installed on them.

Enter hostnames: host01, IP addresses or rack

<input type="checkbox"/>	Hostname	IP Address	Rack	Cores	Physical Memory	Existing Roles	Added Roles
<input checked="" type="checkbox"/>	cloudera71-21name	172.27.0.1	/default	80	251.6 GiB	AS, CCS, G, HB..., RS, DN, ID, KB, KC, KG, M, L, LS, RA, RT, RU, RK..., SRS, G, G, SM..., SR..., SR..., G, NM, ZS	RK...
<input checked="" type="checkbox"/>	cloudera71-21name	172.27.0.1	/default	32	251.6 GiB	RS, DN, G, G, ID, KB, KC, TS, L, G, G, SR...	RK...
<input type="checkbox"/>	cloudera71-21name	172.27.0.2	/default	32	251.6 GiB	M, B, NN, NF..., SNN, G, HMS, G, HS2, LB, HS, KTR, ICS, ISS, G, KB, KC, LHBI, TS, L, G, AP, ES, HM, RM, SM, OS, SS, G, HS, G, G, JHS, RM, S	

1 - 3 of 3

Cancel OK

- The Assign Roles page is redisplayed with the new backup host. Click Continue.

Add Role Instances to RANGER_KMS-1

1 Assign Roles

2 Review Changes

Assign Roles

You can specify the role assignments for your new roles here.

You can also view the role assignments by host. [View By Host](#)

Server x (1 + 1 New)

cloudera71-21name & cloudera71-21name3.ro...

Back Continue

5. Review the settings on the Review Changes page, then click Continue.

1 Assign Roles

2 Review Changes

Review Changes

Ranger KMS Master Key Password

ranger.db.encrypt.key.password

ranger_kms_master_key_password

Ranger KMS Server Default Group

.....

Ranger KMS DB Auth Type

ranger.ks.db.ssl.auth.type

ranger_ks_db_ssl_auth_type

Ranger KMS Server Default Group

1-way

2-way

Ranger KMS Database SSL Certificate File

ranger.ks.db.ssl.certificateFile

ranger_ks_db_ssl_certificateFile

Ranger KMS Server Default Group

Ranger KMS DB SSL Enabled

ranger.ks.db.ssl.enabled

ranger_ks_db_ssl_enabled

☐

Ranger KMS Server Default Group

Ranger KMS DB SSL Required

ranger.ks.db.ssl.required

ranger_ks_db_ssl_required

☐

Ranger KMS Server Default Group

Ranger KMS DB SSL Verify Server Certificate

ranger.ks.db.ssl.verifyServerCertificate

ranger_ks_db_ssl_verifyServerCertificate

☐

Ranger KMS Server Default Group

Ranger KMS Keystore File

ranger.ks.keystore.file

ranger_ks_keystore_file

Ranger KMS Server Default Group

Ranger KMS Keystore Password

ranger.ks.keystore.password

ranger_ks_keystore_password

Ranger KMS Server Default Group

Ranger KMS Truststore File

Ranger KMS Server Default Group

Back

Continue

- CLUSTER DEPLOYMENT FROM 2021-02-22 11:12

CLUSTER: RANGER_KMS-1

Actions

Search

Clusters

Hosts

Diagnostics

Audits

Charts

Replication

Administration

Private Cloud New

Status

Instances

Configuration

Commands

Charts Library

Audits

Quick Links

This entity is currently running with an outdated configuration. Restart the service (or the instance) for the changes to take effect.

Search

Filters

Last Updated: Feb 23, 8:24:09 PM UTC

Filters

STATUS

Stopped 1

Good Health 1

COMMISSION STATE

MAINTENANCE MODE

RACK ID

ROLE GROUP

ROLE TYPE

STATE

HEALTH TEST

Actions for Selected

Add Role Instances

Role Groups

<input type="checkbox"/>	Status	Role Type	State	Hostname	Commission State	Role Group
<input type="checkbox"/>		Ranger KMS Server	Stopped	10.10.10.10	Commissioned	Ranger KMS Server Default Group
<input type="checkbox"/>		Ranger KMS Server	Started with Outdated Configuration	10.10.10.10	Commissioned	Ranger KMS Server Default Group

1 - 2 of 2

- In Cloudera Manager, select the Ranger service, click Ranger Admin Web UI, then log in as the Ranger KMS user (the default credentials are keyadmin/admin123). Click the Edit icon for the cm_kms service, then update the KMS URL property.

- Add the new KMS host using the following format:
kms://http@<kms_host1>;http@<kms_host2>:<kms_port>/kms
- The default port is 9292. For example:
kms://http@kms_host1;http@kms_host2:9292/kms
- If SSL is enabled, use https and port 9494. For example:
kms://http@kms_host1;https@kms_host2:9494/kms

Click Test Connection to confirm the settings, then click Save to save your changes.

The screenshot shows the 'Edit Service' page for the 'cm_kms' service in the Ranger Admin Web UI. The page is divided into two main sections: 'Service Details' and 'Config Properties'.

Service Details:

- Service Name:** cm_kms
- Display Name:** cm_kms
- Description:** KMS repo
- Active Status:** ☒ Enabled ☐ Disabled
- Select Tag Service:** Select Tag Service

Config Properties:

- KMS URL:** it.hwx.site;http@...:9292/kms-2.d...:9292/kms.root.hwx
- Username:** keyadmin
- Password:**

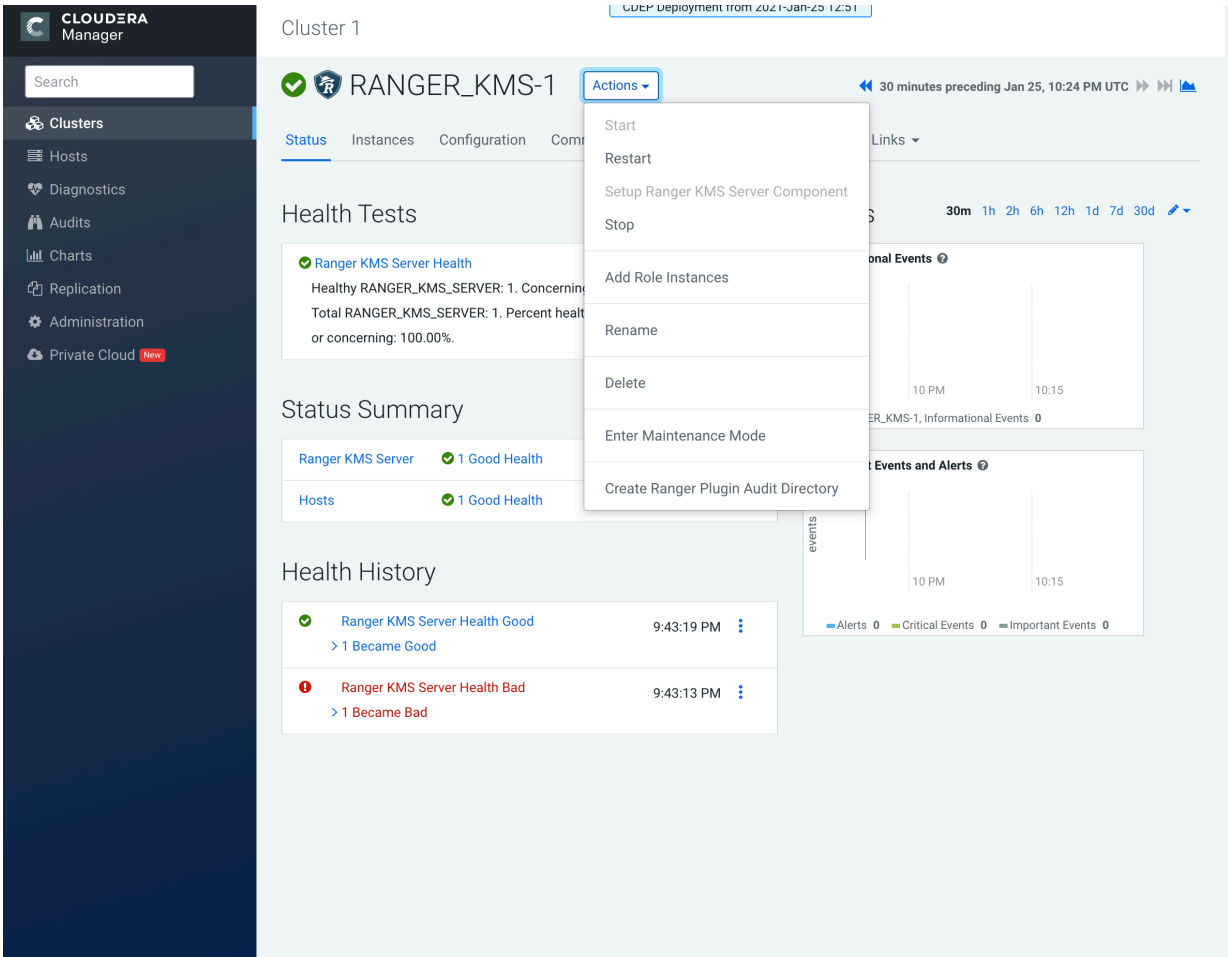
Add New Configurations:

Name	Value	
cluster.name	Cluster 1	<input type="button" value="x"/>
policy.download.auth.users	keyadmin,rangerkms	<input type="button" value="x"/>

Below the table is a '+' button to add more configurations.

At the bottom of the page, there is a 'Test Connection' button and a row of buttons: 'Save', 'Cancel', and 'Delete'.

8. In Cloudera Manager click the Ranger KMS service, then select Actions > Create Ranger Plugin Audit Directory.



9. In Cloudera Manager, select Ranger KMS, then click Configuration.

a) Use the Add (+) icons for the Ranger KMS Server Advanced Configuration Snippet (Safety Valve) for conf/kms-site.xml property to add the following properties, then click Save Changes.

- `hadoop.kms.authentication.zk-dt-secret-manager.enable = true`
- `hadoop.kms.authentication.zk-dt-secret-manager.zkConnectionString = <Zookeeper hostname>:2181`



Note: In a cluster with multiple ZK hosts, include them as a comma-separated list.
For example: `hadoop.kms.authentication.zk-dt-secret-manager.zkConnectionString = <ZK_hostname1>:2181,<ZK_hostname2>:2181,....,<ZK_hostnameN>:2181`.

- `hadoop.kms.authentication.zk-dt-secret-manager.znodeWorkingPath = <provide a znode working path other than /zkdt-sm to avoid collision>`

For example:

`hadoop.kms.authentication.zk-dt-secret-manager.znodeWorkingPath = testzkms`



Note: Do not put a leading slash at the beginning of the znode working path.

- `hadoop.kms.authentication.zk-dt-secret-manager.zkAuthType = sasl`
- `hadoop.kms.authentication.zk-dt-secret-manager.kerberos.keytab = {{CMF_CONF_DIR}}/ranger_kms.keytab`

The screenshot shows the Cloudera Manager interface for configuring Ranger KMS. The left sidebar contains navigation links for Clusters, Hosts, Diagnostics, Audits, Charts, Replication, Administration, and Private Cloud. The main content area is titled 'Ranger KMS Server Advanced Configuration Snippet (Safety Valve) for conf/kms-site.xml'. It features a 'Filters' panel on the left with sections for SCOPE, CATEGORY, and STATUS. The main panel displays a table of configuration properties with columns for Name, Value, and Description. The properties are:

Name	Value	Description
<code>hadoop.kms.authentication.zk-dt-secret-manager.enable</code>	<code>true</code>	
<code>hadoop.kms.authentication.zk-dt-secret-manager.zkConnectionString</code>	<code>hwx.site:2181</code>	
<code>hadoop.kms.authentication.zk-dt-secret-manager.znodeWorkingPath</code>	<code>testzkms</code>	
<code>hadoop.kms.authentication.zk-dt-secret-manager.zkAuthType</code>	<code>sasl</code>	
<code>hadoop.kms.authentication.zk-dt-secret-manager.kerberos.keytab</code>	<code>{{CMF_CONF_DIR}}/ranger_kms.keytab</code>	

At the bottom of the page, there is a status bar indicating '1 Edited Value' and a 'Reason for change' field. A 'Save Changes (CTRL+S)' button is located in the bottom right corner.

10. Update the following Ranger KMS configuration properties, then click Save Changes.

- `hadoop.kms.authentication.signer.secret.provider = zookeeper`
- `hadoop.kms.authentication.signer.secret.provider.zookeeper.auth.type = sasl`

Cluster 1

CDEP Deployment from 2021-Feb-22 11:12

RANGER_KMS-1

Feb 25, 7:06 PM UTC

Status Instances Configuration Commands Charts Library Audits Quick Links

hadoop.kms.authentication.signer.secret.provider

Filters

SCOPE

- RANGER_KMS-1 (Service-Wide) 0
- Ranger KMS Server 3

CATEGORY

- Advanced 0
- Database 0
- Logs 0
- Main 3
- Monitoring 0
- Performance 0
- Ports and Addresses 0
- Resource Management 0
- Security 0
- Stacks Collection 0

STATUS

- Error 0
- Warning 0
- Edited 2
- Non-default 2
- Has Overrides 0

Hadoop KMS Authentication Signer Secret Provider

hadoop.kms.authentication.signer.secret.provider

hadoop_kms_authentication_signer_secret_provider

Ranger KMS Server Default Group

random

string

zookeeper

Hadoop KMS Authentication Signer Secret Provider Zookeeper Path

hadoop.kms.authentication.signer.secret.provider.zookeeper.path

hadoop_kms_authentication_signer_secret_provider_zookeeper_path

Ranger KMS Server Default Group

/hadoop-kms/hadoop-auth-signature-secret

Hadoop KMS Authentication Signer Secret Provider Zookeeper Auth Type

hadoop.kms.authentication.signer.secret.provider.zookeeper.auth.type

hadoop_kms_authentication_signer_secret_provider_zookeeper_auth_type

none

kerberos

sasl

Per Page 25 1 - 25 of 142

2 Edited Values Reason for change: Modified Hadoop KMS Authentication Signer Secret Provider, Hadoop KMS Auth

Save Changes (CTRL+S)

11. Verify that the `hadoop.kms.cache.enable` property is set to the default value of `true` (the check box is selected).

CloudEra
Manager

Search

Clusters

Hosts

Diagnostics

Audits

Charts

Replication

Administration

Private Cloud New

Parcels

Running Commands

Support

admin

Cluster 1

CDEP Deployment from 2021-Feb-22 11:12

✓

RANGER_KMS-1

Actions

Feb 25, 9:39 PM UTC

Clusters

Hosts

Diagnostics

Audits

Charts

Replication

Administration

Private Cloud New

Parcels

Running Commands

Support

admin

Search

hadoop.kms.cache.enable

Filters Role Groups History and Rollback

Filters

SCOPE

RANGER_KMS-1 (Service-Wide) 0

Ranger KMS Server 1

CATEGORY

Advanced 0

Database 0

Logs 0

Main 1

Monitoring 0

Performance 0

Ports and Addresses 0

Resource Management 0

Security 0

Stacks Collection 0

STATUS

Error 0

Warning 0

Edited 0

Non-default 0

Has Overrides 0

Hadoop KMS Cache Enable

hadoop.kms.cache.enable

✓

Ranger KMS Server Default Group

hadoop.kms.cache.enable

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Per Page

25

12. Click the Stale Configuration Restart icon.

The screenshot shows the Cloudera Manager interface for Cluster 1. The left sidebar contains navigation options: Clusters, Hosts, Diagnostics, Audits, Charts, Replication, Administration, Private Cloud (New), Parcels, Running Commands, Support, and admin. The main panel displays the configuration for RANGER_KMS-1. The 'Configuration' tab is selected, showing a search bar with the text 'hadoop.kms.cache.enable'. A 'Filters' sidebar on the left lists categories: SCOPE (RANGER_KMS-1 (Service-Wide) 0, Ranger KMS Server 1), CATEGORY (Advanced 0, Database 0, Logs 0, Main 1, Monitoring 0, Performance 0, Ports and Addresses 0, Resource Management 0, Security 0, Stacks Collection 0), and STATUS (Error 0, Warning 0, Edited 0, Non-default 0, Has Overrides 0). A 'Stale Configuration: Restart needed' tooltip is visible over the 'Actions' button. The main content area shows the 'Hadoop KMS Cache Enable' configuration with a checked 'Ranger KMS Server Default Group' checkbox. The bottom right has a 'Save Changes (CTRL+S)' button.

13. On the Stale Configurations page, click Restart Stale Services.

14. On the Restart Stale Services page, select the Re-deploy client configuration checkbox, then click Restart Now.

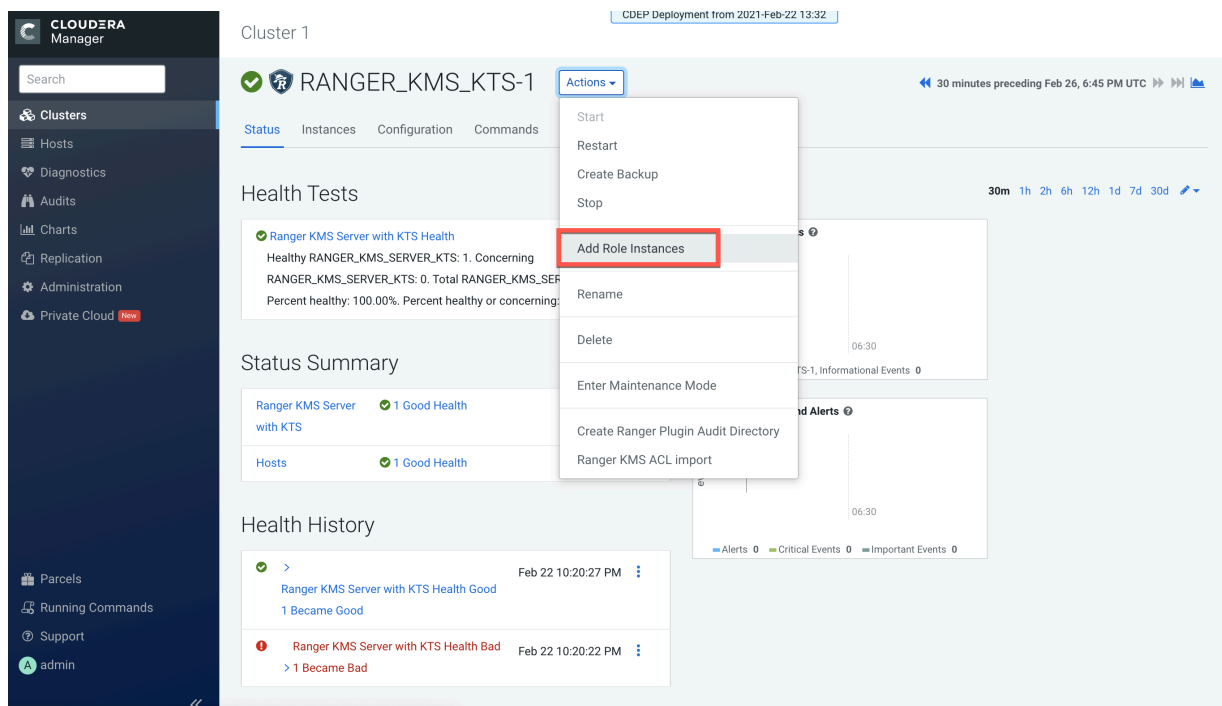
15. A progress indicator page appears while the services are being restarted. When the services have restarted, click Finish.

Configure High Availability for Ranger KMS with KTS

Use the following steps to configure high availability for Ranger KMS with Key Trustee Server as the backing key store.

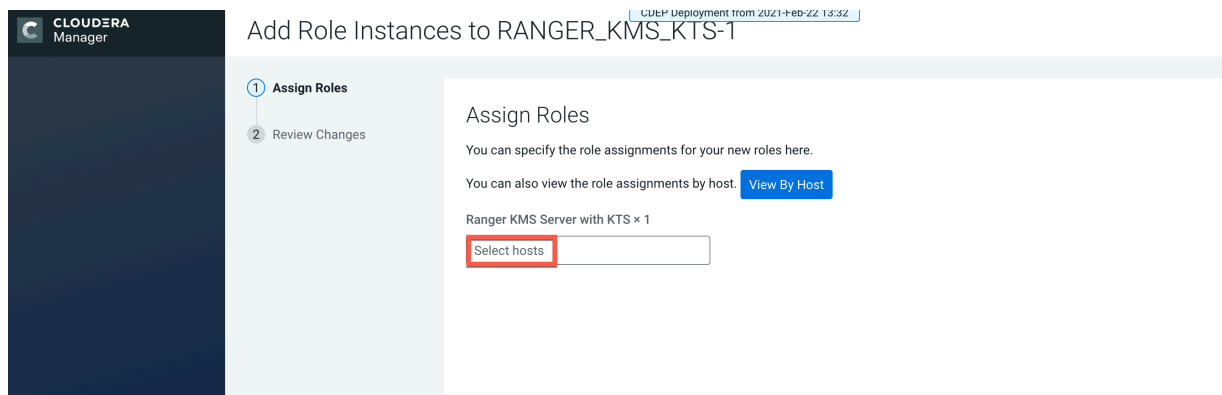
Procedure

1. In Cloudera Manager, select Ranger KMS KTS, then select Actions > Add Role Instances.



The screenshot shows the Cloudera Manager interface for a cluster named 'RANGER_KMS_KTS-1'. The left sidebar contains navigation links for Clusters, Hosts, Diagnostics, Audits, Charts, Replication, Administration, Private Cloud, Parcels, Running Commands, Support, and an admin user. The main panel displays the cluster's status, including Health Tests, Status Summary, and Health History. The 'Actions' dropdown menu is open, showing options like Start, Restart, Create Backup, Stop, Add Role Instances (highlighted with a red box), Rename, Delete, Enter Maintenance Mode, Create Ranger Plugin Audit Directory, and Ranger KMS ACL import.

2. On the Assign Roles page, click Select hosts.



The screenshot shows the 'Assign Roles' page in Cloudera Manager. The page title is 'Add Role Instances to RANGER_KMS_KTS-1'. The left sidebar shows the 'Assign Roles' step selected. The main panel contains instructions on how to specify role assignments and a 'View By Host' button. Below this, it shows 'Ranger KMS Server with KTS × 1' and a 'Select hosts' button, which is highlighted with a red box.

- On the selected hosts page, select a backup Ranger KMS KTS host. A Ranger KMS KTS (RK) icon appears in the Added Roles column for the selected host. Click OK to continue.



Note: These steps show how to add one additional backup Ranger KMS KTS host, but you can use the same procedure to add multiple Ranger KMS KTS hosts.

2 Hosts Selected

Select hosts for a new or existing role. The host list is filtered to remove hosts that are not valid candidates; these include hosts that are unhealthy, members of other clusters, or have an incompatible version of the software installed on them.

Q Enter hostnames: host01, IP addresses or rack

<input type="checkbox"/>	Hostname	IP Address	Rack	Cores	Physical Memory	Existing Roles	Added Roles
<input type="checkbox"/>	dh...71...site	172.27.130.1	/default	32	251.6 GiB	AS, CCS, G, HB..., RS, DN, G, G, G, ID, KB, KC, KG, M, LS, RA, RT, RU, SRS, G, G, SM..., SM..., SR..., SR..., G, G, NM, ZS	
<input checked="" type="checkbox"/>	dh...71...site	172.27.130.71	/default	32	251.6 GiB	RS, DN, G, G, ID, KB, KC, TS, G, RK..., G, G, G, NM	RK...
<input checked="" type="checkbox"/>	dh...71...site	172.27.130.09	/default	32	503.6 GiB	M, B, NN, NF..., SNN, G, HMS, G, HS2, LB, HS, KTR, ICS, ISS, G, KB, KC, LHBI, TS, G, AP, ES, HM, RM	RK...

Cancel

OK

- The Assign Roles page is redisplayed with the new backup host. Click Continue.

CLUSTER

CLUSTER NAME

CLUSTER STATUS

CLUSTER TYPE

CLUSTER VERSION

CLUSTER ID

1 Assign Roles

2 Review Changes

Add Role Instances to RANGER_KMS_KTS-1

CDEP Deployment from 2021-Feb-22 13:32

Assign Roles

You can specify the role assignments for your new roles here.

You can also view the role assignments by host. [View By Host](#)

Ranger KMS Server with KTS × (1 + 1 New)

dh...-3.d...mskts...

Back

Continue

15

5. Review the settings on the Review Changes page, then click Continue.

CLUSTER Deployment from 2021-Feb-22 13:32

Add Role Instances to RANGER_KMS_KTS-1

Assign Roles

2 Review Changes

Review Changes

Key Trustee Server Auth Code Ranger KMS Server with KTS Default Group ⓘ

cloudera.trustee.keyprovider.auth

Active Key Trustee Server Ranger KMS Server with KTS Default Group ⓘ

cloudera.trustee.keyprovider.hostname kts-cdep-server-1.vpc.cloudera.com ⓘ

ame-ACTIVE

Passive Key Trustee Server Ranger KMS Server with KTS Default Group ⓘ

cloudera.trustee.keyprovider.hostname kts-cdep-server-2.vpc.cloudera.com ⓘ

ame-PASSIVE

Key Trustee Server Org Name Ranger KMS Server with KTS Default Group ⓘ

cloudera.trustee.keyprovider.org kts

Key Trustee Server Key Provider Pool Timeout Ranger KMS Server with KTS Default Group ⓘ

cloudera.trustee.keyprovider.pool.abandoned.timeout 5 minute(s) v

Key Trustee Server Key Provider Max Connections Ranger KMS Server with KTS Default Group ⓘ

cloudera.trustee.keyprovider.pool.max 5

Key Trustee Server Key Provider Pool Max Idle Ranger KMS Server with KTS Default Group ⓘ

cloudera.trustee.keyprovider.pool.max.idle 2

Back Continue

6. The new role instance appears on the Ranger KMS KTS page. If the new Ranger KMS with KTS instance was not started by the wizard, you can start the service by clicking Actions > Start in the Ranger KMS with Key Trustee Server service.

CLUSTER Deployment from 2021-Feb-22 13:32

Cluster 1

✓ RANGER_KMS_KTS-1

Status Instances Configuration Commands

⚠ This entity is currently running with an outdated configuration. (Click here for more information) for the changes to take effect.

Last Updated: Feb 26, 7:16:40 PM UTC

Filters

STATUS

Stopped 1

Good Health 1

COMMISSION STATE

MAINTENANCE MODE

RACK ID

ROLE GROUP

ROLE TYPE

STATE

HEALTH TEST

Actions for RANGER_KMS_KTS-1

- Start
- Restart
- Create Backup
- Stop
- Add Role Instances
- Rename
- Delete
- Enter Maintenance Mode
- Create Ranger Plugin Audit Directory
- Ranger KMS ACL import

Hostname	Commission State	Role Group
dhoyle715kmskts-3.dhoyle715kmskts.root.hwx.site	Commissioned	Ranger KMS Server with KTS Default Group
dhoyle715kmskts-2.dhoyle715kmskts.root.hwx.site	Commissioned	Ranger KMS Server with KTS Default Group

1 - 2 of 2

7. If necessary, synchronize the KMS KTS private key.

Check the catalina.out file in the Ranger KMS KTS log directory for the following error:

```
java.io.IOException: Unable to verify private key match between KMS hosts.  
Verify private key files have been synced  
between all KMS hosts. Aborting to prevent data inconsistency.
```

To determine whether the KMS KTS private keys are different, compare the MD5 hash of the private keys. On each Ranger KMS KTS host, run the following command:

```
md5sum /var/lib/kms-keytrustee/keytrustee/.keytrustee/secring.gpg
```

If the output is different on both instances, Cloudera recommends following security best practices and transferring the private key using offline media, such as a removable USB drive. For convenience (for example, in a development or testing environment where maximum security is not required), you can copy the private key over the network by running the following rsync command on the original Ranger KMS KTS host:

```
rsync -zav /var/lib/kms-keytrustee/keytrustee/.keytrustee root@kms02.e  
xample.com:/var/lib/kms-keytrustee/keytrustee/.
```

8. Restart the Ranger KMS KTS service.

9. In Cloudera Manager, select the Ranger service, click Ranger Admin Web UI, then log in as the Ranger KMS user (the default credentials are keyadmin/admin123). Click the Edit icon for the cm_kms service, then update the KMS URL property.

- Add the new KMS host using the following format:
kms://http@<kms_kts_host1>;http@<kms_kts_host2>:<kms_port>/kms
- The default port is 9292. For example:
kms://http@kms_kts_host1;http@kms_kts_host2:9292/kms
- If SSL is enabled, use https and port 9494. For example:
kms://https@kms_kts_host1;https@kms_kts_host2:9494/kms

Click Test Connection to confirm the settings, then click Save to save your changes.

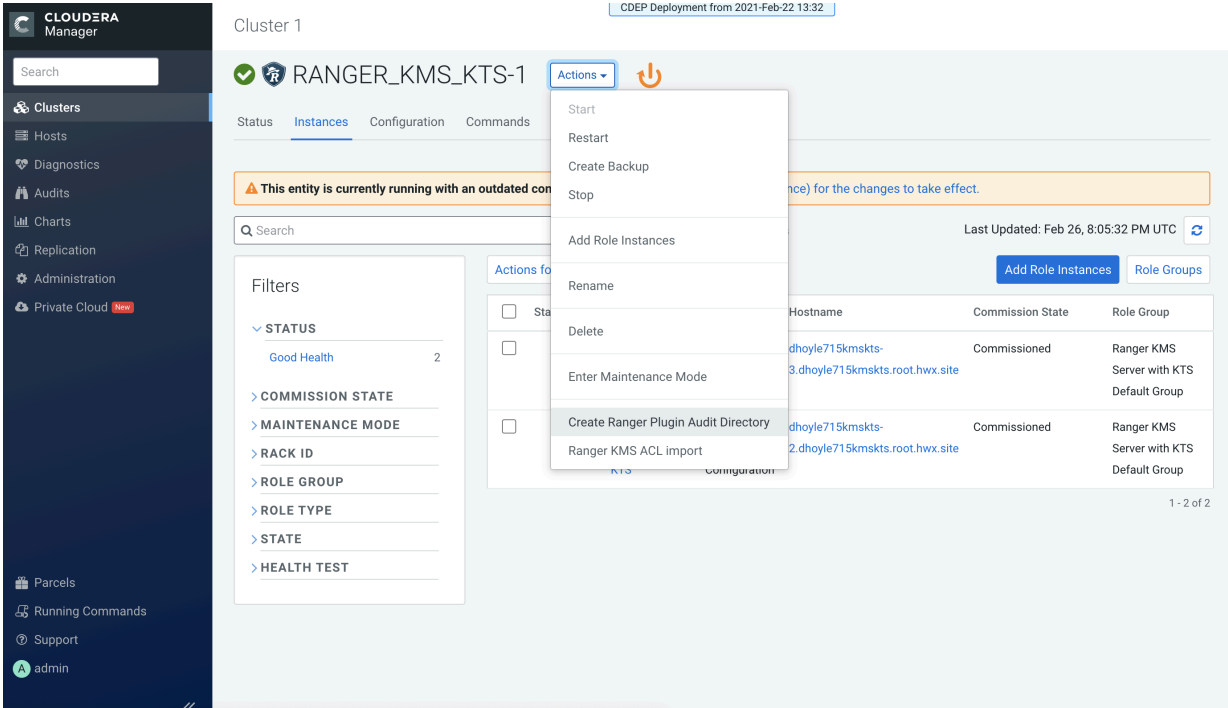
The screenshot shows the Ranger Admin Web UI interface for editing the cm_kms service. The top navigation bar includes links for Access Manager, Audit, Encryption, and Settings. The main content area is titled 'Edit Service' and contains the following elements:

- Active Status:** Radio buttons for 'Enabled' (selected) and 'Disabled'.
- Select Tag Service:** A dropdown menu with the text 'Select Tag Service'.
- Config Properties:**
 - KMS URL *:** A text input field containing 'jhoyier:rkmskts-3.djhoyier:rkmskts:root:mx.site:9292/kms'.
 - Username *:** A text input field containing 'keyadmin'.
 - Password *:** A password input field with masked characters '.....'.
- Add New Configurations:** A table with two columns: 'Name' and 'Value'.

Name	Value
policy.download.auth.users	keyadmin,rangerkms

 Below the table is a '+' button to add more configurations.
- Test Connection:** A button to verify the KMS URL settings.
- Bottom Bar:** Buttons for 'Save', 'Cancel', and 'Delete'.

10. In Cloudera Manager click the Ranger KMS KTS service, then select Actions > Create Ranger Plugin Audit Directory.



11. In Cloudera Manager, select Ranger KMS KTS, then click Configuration.

- a) Use the Add (+) icons for the Ranger KMS Server with KTS Advanced Configuration Snippet (Safety Valve) for conf/kms-site.xml property to add the following properties, then click Save Changes.

- `hadoop.kms.authentication.zk-dt-secret-manager.enable = true`
- `hadoop.kms.authentication.zk-dt-secret-manager.zkConnectionString = <Zookeeper hostname>:2181`
- `hadoop.kms.authentication.zk-dt-secret-manager.znodeWorkingPath = <provide a znode working path other than /zkdtsm to avoid collision>`

For example:

```
hadoop.kms.authentication.zk-dt-secret-manager.znodeWorkingPath = testzk kms
```



Note: Do not put a leading slash at the beginning of the znode working path.

- `hadoop.kms.authentication.zk-dt-secret-manager.zkAuthType = sasl`
- `hadoop.kms.authentication.zk-dt-secret-manager.kerberos.keytab = {{CMF_CONF_DIR}}/ranger_kms_kts.keytab`

CLOUDERA
Manager

Search

Clusters

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Private Cloud New

Parcels

Running Commands

Support

admin

RANGER_KMS_KTS-1 Actions

Feb 27, 8:57 PM UTC

Status Instances Configuration Commands Charts Library Audits Quick Links

Q Ranger KMS Server with KTS Advanced Configuration Snippet (Safety Valve) for conf/km Filters Role Groups History and Rollback

Filters

SCOPE

RANGER_KMS_KTS-1 (Service... 0
Ranger KMS Server with KTS 1

CATEGORY

Advanced 1

Logs 0

Main 0

Monitoring 0

Performance 0

Ports and Addresses 0

Resource Management 0

Security 0

Stacks Collection 0

STATUS

Error 0

Warning 0

Edited 1

Non-default 1

Has Overrides 0

Ranger KMS Server with KTS Advanced Configuration Snippet (Safety Valve) for conf/kms-site.xml

Ranger KMS Server with KTS Default Group Undo

Show All Descriptions View as XML

Name hadoop.kms.authentication.zk-dt-secret-manager.enable

Value true

Description

Final

Name hadoop.kms.authentication.zk-dt-secret-manager.zkConnectionString

Value d1... site:2181

Description

Final

Name hadoop.kms.authentication.zk-dt-secret-manager.znodeWorkingPath

Value testzkcms

Description

Final

Name hadoop.kms.authentication.zk-dt-secret-manager.zkAuthType

Value sasl

Description

Final

Name hadoop.kms.authentication.zk-dt-secret-manager.kerberos.keytab

Value {{CMF_CONF_DIR}}/ranger_kms_kts.keytab

1 Edited Value Reason for change: Modified Ranger KMS Server with KTS Advanced Configuration Snippet (Safety Valve... Save Changes (CTRL+S)

12. Update the following Ranger KMS configuration properties, then click Save Changes.

- `hadoop.kms.authentication.signer.secret.provider.zookeeper.auth.type = sasl`

Cluster 1

CDEP Deployment from 2021-Feb-22 13:32

RANGER_KMS_KTS-1

Feb 27, 9:45 PM UTC

Status Instances Configuration Commands Charts Library Audits Quick Links

hadoop.kms.authentication.signer.secret.provider.zookeeper.auth.type

Filters

SCOPE

RANGER_KMS_KTS-1 (Service)	0
Ranger KMS Server with KTS	1

CATEGORY

Advanced	0
Logs	0
Main	1
Monitoring	0
Performance	0
Ports and Addresses	0
Resource Management	0
Security	0
Stacks Collection	0

STATUS

Error	0
Warning	0
Edited	1
Non-default	1
Has Overrides	0

Hadoop KMS Authentication Signer Secret Provider Zookeeper Auth Type

Ranger KMS Server with KTS Default Group

none

kerberos

sasl

Show All Descriptions

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1 Edited Value Reason for change: Modified Hadoop KMS Authentication Signer Secret Provider Zookeeper Auth Type

Save Changes (CTRL+S)

13. Click the Stale Configuration Restart icon.

Cluster 1

CDEP Deployment from 2021-Feb-22 13:32

RANGER_KMS_KTS-1

Feb 27, 9:48 PM UTC

Status Instances Configuration Commands **Stale Configuration. Restart needed** Links

hadoop.kms.authentication.signer.secret.provider.zookeeper.auth.type

Filters

SCOPE

RANGER_KMS_KTS-1 (Service)	0
Ranger KMS Server with KTS	1

CATEGORY

Advanced	0
Logs	0
Main	1
Monitoring	0
Performance	0
Ports and Addresses	0
Resource Management	0
Security	0
Stacks Collection	0

STATUS

Error	0
Warning	0
Edited	0
Non-default	1
Has Overrides	0

Hadoop KMS Authentication Signer Secret Provider Zookeeper Auth Type

Ranger KMS Server with KTS Default Group

none

kerberos

sasl

Show All Descriptions

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Save Changes (CTRL+S)

14. On the Stale Configurations page, click Restart Stale Services.

15. On the Restart Stale Services page, select the Re-deploy client configuration checkbox, then click Restart Now.

- 16.** A progress indicator page appears while the services are being restarted. When the services have restarted, click Finish.