

Migrating Ranger Admin Audit Logs

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Migrating Ranger admin audit logs

This topic describes how to migrate Ranger admin audit logs from the `x_trx_log` table to the `x_trx_log_v2` table.

Starting from Cloudera Runtime 7.3.2.0, Ranger admin audit logs are stored in the `x_trx_log_v2` table in the Ranger database. In releases earlier than 7.3.2.0, Ranger admin audit logs were stored in the `x_trx_log` table in the Ranger database. Hence, if you upgrade to Cloudera Runtime 7.3.2.0 from any previous version and you want to retain your old data, you must migrate the Ranger admin audit logs from the `x_trx_log` table to the `x_trx_log_v2` table.



Note: In the case of a fresh installation of Cloudera Runtime 7.3.2.0, this migration process is not required. If you run the migration command, you get an error.

Perform the following steps to migrate logs from the `x_trx_log` table to the `x_trx_log_v2` table:

1. After you upgrade your cluster and Ranger is up, log in to Cloudera Manager.
2. Select the Ranger service, and click **Actions** **Ranger Admin Transaction Log Migration**.
3. Confirm by clicking **Ranger Admin Transaction Log Migration**.

The migration process starts.

4. After the migration is complete, click **Close**.

Configuration

In case you want to retain the logs for a certain number of days, you can configure the `ranger.admin.migrate.transaction_records.retention.days` property in Cloudera Manager to do so. By default, the value of this property is -1, which means that all data will be retained. To set a different value for this property, perform the following steps:

1. Go to **Cloudera Manager** **Ranger** **Configuration**.
2. In **Ranger Admin Advanced Configuration Snippet (Safety Valve)** for `conf/ranger-admin-site.xml`, click the **+** icon and set the following:
 - In the **Name** field, enter `ranger.admin.migrate.transaction_records.retention.days`.
 - In the **Value** field, enter the number of days.
3. Click **Save Changes**.

Limitation

If the migration process takes more than 15 minutes to complete, Cloudera Manager aborts the migration process. In such cases, you need to run the commands multiple times to migrate the entire data. The process restarts the migration again from the point it was aborted.