

Notifications

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Notification service overview

You can subscribe to receive announcements and notifications in Cloudera Data Engineering about various events from product updates to data service specific alerts. Announcements and notifications are received in the application or through emails.

The Notification Service integration in Cloudera Data Engineering enables centralized, automated alerts for key lifecycle and configuration events occurring at both the Cloudera Data Engineering Service and the Cloudera Data Engineering Virtual Clusters.

By connecting Cloudera Data Engineering event triggers to the Cloudera Management Console Notification engine, you can receive:

- **Platform announcements:** End of Life (EOL), End of Support (EOS), Technical Service Bulletins (TSBs), and maintenance updates.
- **Real-time alerts:** Service provisioning, resource changes, upgrade statuses, and certificate expirations.

For more information about Notification service, see [Receiving notifications](#).

Required User Management roles

To manage or subscribe to Notification service in Cloudera Data Engineering, you must be assigned specific roles within the User Management System in the Cloudera Management Console.

About this task

An administrator must assign the following roles in the Cloudera Management Console:

- **NotificationSubscriber:** Grants permission to manage individual resource subscriptions, create self-subscriptions, and view notification resources for assigned Cloudera Data Engineering Services and Virtual Clusters.
- **DistributionListAdmin:** Grants permission to create, view, modify, and delete managed group distribution lists for notification delivery.

Perform the following steps to assign a role for a user or group in the Cloudera Management Console:

Procedure

1. In the Cloudera console, click the Management Console tile. The Cloudera Management Console **Dashboard** page displays.
2. Click User Management in the left navigation. The **User Management** page displays.
3. Click Users if you want to assign the roles for an individual user or click Groups if you want to assign the roles for a user group.
4. In the Name column, click the user or group name for which you want to assign the role.
5. Click Roles Update Roles . The **Update Roles** dialog box displays.
6. Select the checkbox for the roles that you want to assign.
7. Click Update.

Notification categories and event mapping

Cloudera Data Engineering events are organized into four primary notification categories across the Cloudera Data Engineering Service and Virtual Clusters. Subscribers can filter incoming alerts within each category by severity to ensure they receive only the operational notifications relevant to their role.

Severity levels

When configuring subscriptions, you can filter delivery based on the following severity thresholds:

- **Info:** Triggered during routine operational events and successful state transitions (for example, Service Ready, VC Created, Upgrade Completed, Resource Pool Modified, State Config Sync Succeeded).
- **Warning:** Triggered when administrative action is required to prevent upcoming operational disruption (for example, Stale Configs Detected, TLS certificate expiration approaching within 30 days).
- **Error:** Triggered when a critical failure occurs that prevents a service or virtual cluster from operating normally (example, Service Provisioning Failed, VC Creation Failed, Upgrade Failed, TLS Certificate Expired, State Config Sync Failed).

Notification categories

The following table provides the available Cloudera Data Engineering notification categories, mapping each to its resource scope, supported severity filters, triggered events, and default retention period:

Table 1: Notification categories

Notification category	Resource scope	Supported severities	Description	Triggered events	Default Time to Live (TTL)
Data Engineering Service - Configuration updates	Service	Info, Warning, and Error	Tracks Cloudera Data Engineering Service configuration and cluster health events	• Resource pool capacity updates (Info) • TLS certificate modifications (Info) • TLS certificate expiring within 30 days (WARNING) • TLS certificate expired (Error) • State config sync status (Info or Error).	3 days
Data Engineering Service - Lifecycle updates	Service	Info and Error	Tracks overall Cloudera Data Engineering Service lifecycle events.	• Service creation or provisioning started (Info) • Service ready (Info) • Service provisioning or enabling failed (Error) • Service disabling or deletion (Info) • Upgrade requested, started, or completed (Info) • Upgrade failed (Error)	3 days
Data Engineering Virtual Cluster - Configuration updates	Virtual Cluster	Info, Warning, and Error	Tracks Virtual Cluster configuration changes.	• VC resource pool updates (Info) • Spark configuration changes (Info) • VC TLS certificate expiration warning (Warning) • VC TLS certificate expired (Error)	3 days
Data Engineering Virtual Cluster - Lifecycle updates	Virtual Cluster	INFO and ERROR	Tracks Virtual Cluster lifecycle changes.	• VC provisioning started/ready (INFO) • VC creation failed (ERROR) • VC entering deletion state (INFO) • VC deleted (INFO).	3 days

Configuring Notifications for a Cloudera Data Engineering Service

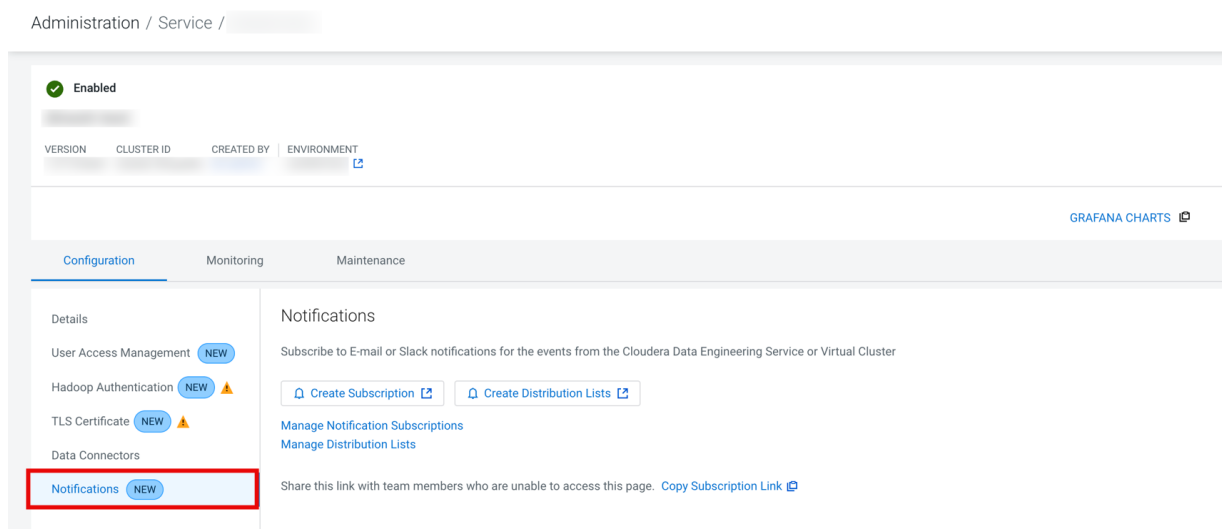
Learn how to configure and manage Notifications service for a Cloudera Data Engineering Service.

Before you begin

- You must have the NotificationSubscriber role to create and manage subscriptions.
- You must have the DistributionListAdmin role to create and manage distribution lists.

Procedure

1. In the Cloudera console, click the Data Engineering tile. The Cloudera Data Engineering Home page displays.
2. Click Administration in the left navigation menu. The **Administration** page displays.
3. In the Services column, select the Service for which you want to configure or manage the Notification service.
4. Click **Service Details** **Configuration Notifications** .The **Notifications** page displays.



5. Select one of the following options:

- Click **Create Subscription** if you want to set up a new email or In-app subscription. For more information, see [Subscribing to resource notifications](#) in the Cloudera Management Console documentation.
- Click **Create Distribution Lists** if you want to set up a new distribution list. For more information, see [Creating and managing distribution lists](#) in the Cloudera Management Console documentation.
- Click **Manage Notification Subscriptions** if you want to configure an existing subscription. For more information, see [Subscribing to resource notifications](#) in the Cloudera Management Console documentation.
- Click **Manage Distribution Lists** if you want to configure an existing distribution list. For more information, see [Creating and managing distribution lists](#) in the Cloudera Management Console documentation.
- Click **Copy Subscription Link** to copy the subscription link.

Configuring Notifications for a Cloudera Data Engineering Virtual Cluster

Learn how to configure and manage Notifications service for a Cloudera Data Engineering Virtual Cluster.

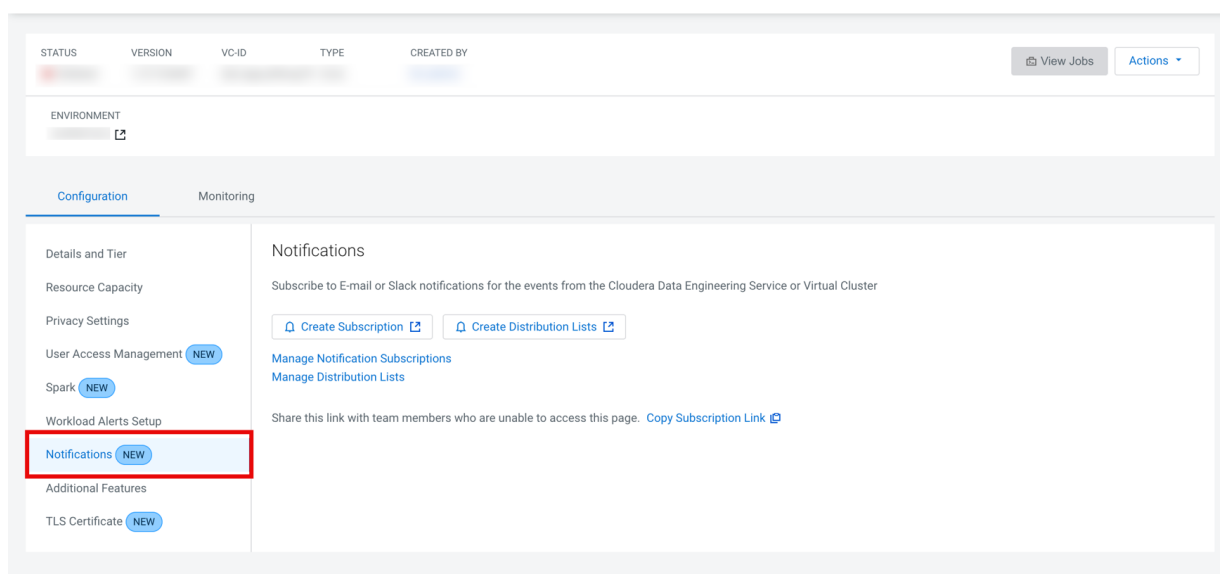
Before you begin

- You must have the NotificationSubscriber role to create and manage subscriptions.
- You must have the DistributionListAdmin role to create and manage distribution lists.

Procedure

1. In the Cloudera console, click the Data Engineering tile. The Cloudera Data Engineering Home page displays.
2. Click Administration in the left navigation menu. The **Administration** page displays.
3. In the Virtual Clusters column, click the Virtual Cluster Details icon for the virtual cluster for which you want to configure or manage the Notification service.
4. Click **Configuration Notifications**. The **Notifications** page displays.

Administration / Virtual Cluster / test-vc



5. Select one of the following options:

- Click **Create Subscription** if you want to set up a new email or In-app subscription. For more information, see [Subscribing to resource notifications](#) in the Cloudera Management Console documentation.
- Click **Create Distribution Lists** if you want to set up a new distribution list. For more information, see [Creating and managing distribution lists](#) in the Cloudera Management Console documentation.
- Click **Manage Notification Subscriptions** if you want to configure an existing subscription. For more information, see [Subscribing to resource notifications](#) in the Cloudera Management Console documentation.
- Click **Manage Distribution Lists** if you want to configure an existing distribution list. For more information, see [Creating and managing distribution lists](#) in the Cloudera Management Console documentation.
- Click **Copy Subscription Link** to copy the subscription link.