

1.5.5

Notifications

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CLOUDEXERA

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Receiving notifications

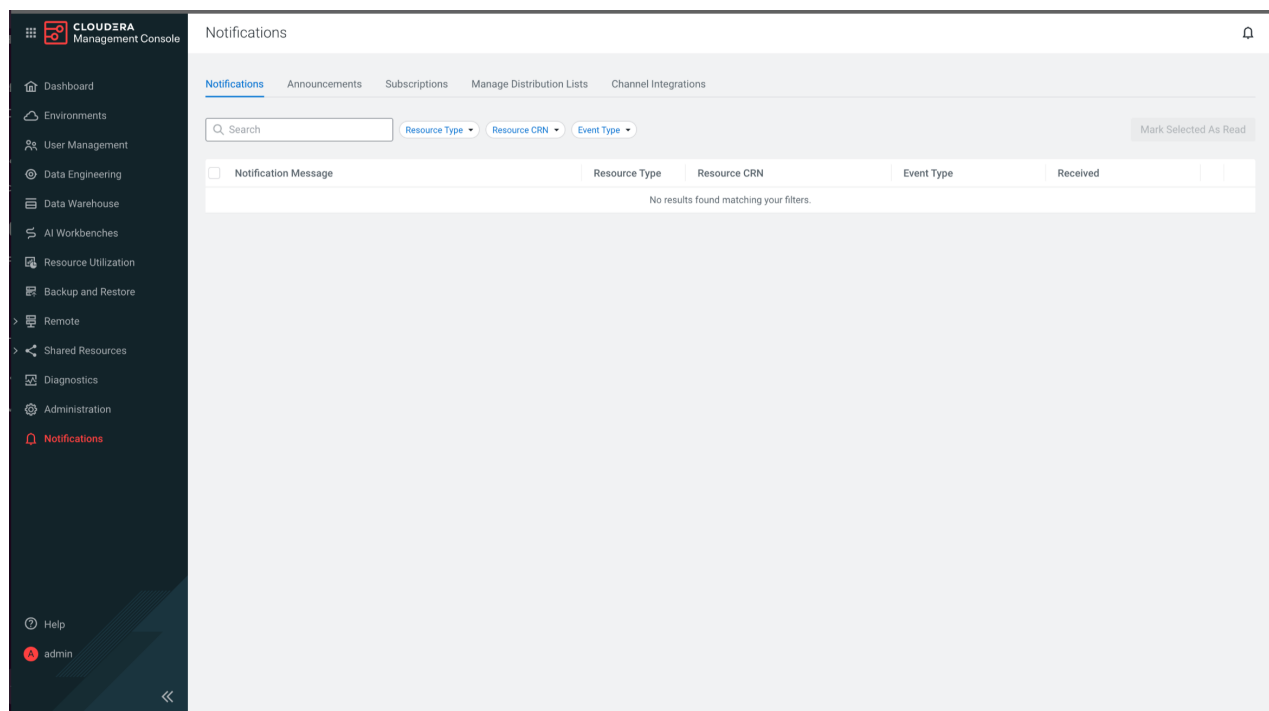
You can subscribe to receive announcements and notifications in Cloudera Data Services on premises about various events from product updates to data service specific alerts. Announcements and notifications are received in the application or through emails.

Announcements include Cloudera product related announcements that can include updates related to End of Life (EOL), End of Support (EOS), Technical Service Bulletins (TSBs), and maintenance updates. Announcements are broadcasted to all Cloudera users, and either to all or specific tenants.

Notifications include service and resource related alerts that are automatically generated by the platform. For example, cluster state changes, certification and upgrade alerts, resource exhaustion and consumption notifications. Notifications can be received by users of a tenant who have subscribed to the resource events of a Cloudera service, such as Cloudera Data Engineering or User Management.

For more information about how to set up notifications for Cloudera Data Engineering, see *Setting up service and deployment notifications*.

You can receive notifications in-app and through email messages.



The **Notifications** page consists of the following tabs:

- **Notifications** and **Announcements** list the active and read notifications about the product and resource.
- **Subscriptions** lists the active notification subscriptions for the services.
- **Manager Distrbituion Lists** lists the group subscriptions for the services that are created based on allowed email domains.
- **Channel Integrations**

In-app notifications

A new notification is indicated by  at the top right corner on the **Notifications** page in Cloudera Management Console. You can open the notifications view using , and manage your notifications from in-app using . You can choose from the following actions:

- See all notifications and manage the subscriptions on the **Notifications** page
- Mark the notifications as read

In-app notifications are enabled by default. You can also view the in-app notifications by navigating to the **Notifications** page, and selecting the **Notifications** or **Announcements** tab.

Email notifications

You can subscribe to receive the notifications through email as well. Email notifications are sent from Cloudera's email address. You can subscribe to receive an email about all or a specific type of global announcement. You can also create Distribution lists to subscribe a set of users to receive resource notifications through email.

Subscribing to resource notifications

Resource notifications enable you to receive automated alerts from service events in Cloudera Management Console or through email. To be able to subscribe to a resource notification, you must enable notifications at the data or platform service, then configure the resource notification. When selecting email as a notification channel, you can also create a distribution list that allows you to subscribe multiple users to the same set of email notifications.

Required role: NotificationSubscriber

You can enable notifications to receive automated events, alerts and service information of a data or platform service that supports notifications. You can create a subscription on the data or platform service side. Creating the subscription will redirect you to Cloudera Management Console Notifications where you can choose the type of notification you want to subscribe to and how you want to receive the notification.

You can subscribe to receive Cloudera Data Engineering environment and deployment related notifications. For more information about how to enable and configure notifications in Cloudera Data Engineering, see the *Setting up service and deployment notifications* documentation.

Creating and managing subscriptions

After enabling notifications at the data or platform service, you are redirected to Cloudera Management Console Notifications Create Subscription where you need to select the type of resource notification and how to receive the notification.

Resource Type Service	Parent Resource CRN crn:cdp:environments:us-west-1:9d74eee4-1...
Resource CRN [Redacted]	

Resource Notifications

Receive the following notifications	Deliver To
☐ All Deployment Notifications	Select ▾

Create Subscription

Cancel

When the subscription is created, you can use the Subscription tab to view the list of **Active Subscriptions**. You also have the option to edit the subscriptions if you want to unsubscribe from a type of notification or you can change how to receive the notifications. You can also delete an active subscription if you no longer need it.

Setting up email announcements

You can configure global announcements to be sent out through email as well. Email announcements are sent a Cloudera email address.

Procedure

1. Navigate to the Notifications page.
2. Select the Announcements tab.
3. Click Settings.

The **Global Announcement Settings** window appears.

Announcements



Global Announcement Settings

Receive the following notifications for global announcements:

Maintenance Messages	☐ Email	☒ In-app
EOL Announcements	☐ Email	☒ In-app
Product Updates	☐ Email	☒ In-app
Technical Service Bulletins (TSBs)	☐ Email	☒ In-app

Save

Cancel

4. Select all or a specific type of announcement that should be sent in email.

You can choose from the following type of announcements:

- Maintenance Messages - include announcements about planned Cloudera maintenance work.
- EOL Announcements - include announcements about end of life (EOL) date for versions and services.
- Product Updates - include announcements about Cloudera product updates.
- Technical Service Bulletins (TSBs) - include announcements about communicated TSBs related to the product

5. Click Save.

Creating and managing distribution lists

Distribution lists allow you to subscribe a group of users to receive resource notifications. You can create the distribution lists based on which users should receive certain types of resource notifications. To create a distribution list, the email addresses must belong to an allowed domain. Administrators can create five allowed domains for a tenant. Administrators can subscribe or unsubscribe users to the email notifications that are enabled for the distribution list they belong to.

Required role: NotificationDistributionListAdmin

Procedure

1. Navigate to the Notifications page.
2. Select the Distribution Lists tab.
3. Click Settings.
The **Distribution List Settings** window appears.

Distribution List Settings



Allowed Domains

Only e-mail addresses with allowed domains can be added for Distribution List subscription.

Add Allowed Domain(s)

Added Domains

cloudera.com ✕

4. Provide the domain that will be used in the email addresses.
5. Click Save.
6. Navigate to the resource where you want to subscribe to notifications, and provide the email addresses that you want to receive notifications.

You can manage the group subscriptions on the **Notifications** page under Distribution Lists. Using , you can go to the subscribed resource, edit and delete the distribution list.

Configuring the SMTP server

You must configure an SMTP server for notification services within the Data services on premises application, focusing specifically on generating an application-specific password (App Password) for email integration.

About this task

You must generate an application-specific password and integrate the SMTP server within the Data services on premises.

Before you begin

The Two-Factor Authentication (2FA) must be enabled on your email account. Application passwords cannot be generated unless 2FA is active.

Creating an Application password for Gmail

Follow these steps to create a password for a Google or Gmail accounts:

1. Access Security Settings: Log in to your Google Account and navigate to the Security tab.
2. Navigate to App Passwords: Under the Signing in to Google section, locate and click on App Passwords.
3. Create Entry: Select the application you are generating the password for (you can select Other and provide a custom name like Notification Service).
4. Generate and Copy: Click Generate. A unique 16-character password appears.
5. Finalize: Copy the password immediately and store it securely for use in the Data services on premises application.



Note: This password will not be displayed again.

Generating an App for Microsoft Outlook

Follow these steps to create a password for Microsoft or Outlook accounts:

1. Access Security Options: Log in to your Microsoft account and navigate to the Security section.
2. Advanced Security: Select Advanced security options.
3. Locate App Passwords: Scroll to the App passwords section and select Create a new app password.
4. Copy the Password: Once the unique password is created, copy the password immediately and store it securely.



Note: This password will not be displayed again.

Integrating the SMTP Server in PVC Notification Service

Follow these steps to configure the notification service within the Data Services on premises application. Before you proceed, you must have the information related to SMTP and generated application password.

Accessing the Channel Integrations Tab

1. Log in to the Cloudera Management Console.
2. Navigate to the Notification settings page under the sidebar.
3. Click the Channel Integrations tab.

The screenshot shows the Cloudera Management Console interface. On the left is a sidebar with navigation links: Dashboard, Environments, User Management, Data Engineering, Data Warehouse, AI Workbenches, Resource Utilization, Backup and Restore, Remote, Shared Resources, Diagnostics, Administration, and Notifications (highlighted). The main content area is titled 'Notifications' and has several tabs: Notifications, Announcements, Subscriptions, Manage Distribution Lists, and Channel Integrations (selected). Under the 'Channel Integrations' tab, there is a form for 'Email' notifications. The form includes the following fields:

- ☒ Email
- * SMTP Host: A text input field.
- * SMTP Port: A text input field.
- * Username: A text input field.
- * Password: A text input field with a masked password icon (a circle with a dot).

 At the bottom of the form are 'Save' and 'Cancel' buttons.

SMTP Configuration Details

Enter the required SMTP information into the corresponding fields:

Field	Description	Example Value (C
SMTP Host	The outgoing mail server address.	smtp.gmail.com
SMTP Port	The port number used for the SMTP connection.	587

Field	Description	Example Value (C
Email	The full email address from which notifications will be sent.	notifications@exar
App Password	The unique, generated Application-specific Password.	aidksmfks

Click Submit. Once the process is completed successfully, the SMTP server is configured.