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Creating and managing CDE Sessions

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Creating Sessions in Cloudera Data Engineering [Technical Preview]

A Cloudera Data Engineering (CDE) Session is an interactive short-lived development environment for running Spark commands to help you iterate upon and build your Spark workloads.

About this task

The commands that are run in a CDE Session are called Statements. You can submit the Statements through the connect CLI command or the Interact tab in the CDE UI for a Session. Python and Scala are the supported Session types. Learn how to use Cloudera Data Engineering (CDE) Sessions using the user interface and CLI.
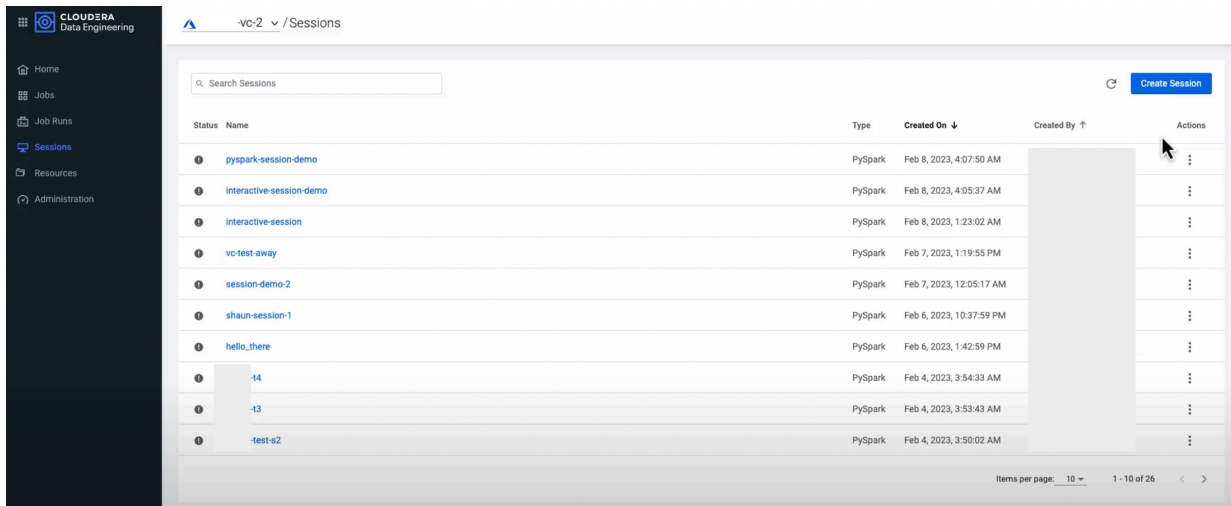
Before you begin

⚠️ **Important:** You must create the cluster, initialize each cluster, and configure each user who need to run sessions before creating sessions.

In Cloudera Data Engineering (CDE), sessions are associated with virtual clusters. Before you can create a session, you must create a virtual cluster that can run it. For more information, see Creating virtual clusters.

Procedure

1. In the Cloudera Data Platform (CDP) console, click the Data Engineering tile. The Home page displays.
2. Click Sessions in the left navigation menu and then click Create Session.

3. Enter a Name for the Session.
4. Select a Type, for example, PySpark or Scala.
5. Optionally, enter a Description for the session.
6. Optionally, enter the Configurations.
7. Set the Compute options.
8. Click Create. The Connect tab displays a list of connectivity options available to interact with the Session. The Interact tab allows you to interact with the Session, and becomes available once the Session is running.

Interacting with a Session in Cloudera Data Engineering

Once a Session is created in Cloudera Data Engineering (CDE), you can begin your interaction.

Procedure

1. In the Cloudera Data Platform (CDP) console, click the Data Engineering tile. The Home page displays.
2. Click Sessions in the left navigation menu.
3. Click the Interact tab.
4. In the Input box, enter your commands.
5. Click Run. A history of executed commands displays in the sequence of their execution.