

CDP One

Accessing Clusters

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About accessing clusters

You can use SSH to access a CDP One gateway node CLI (Command Line Interface), and you can access Hive or Impala via JDBC.

Accessing Hive and Impala via JDBC is described in the Running SQL Queries guide (see the links below).

Related Information

[Running Hive queries](#)

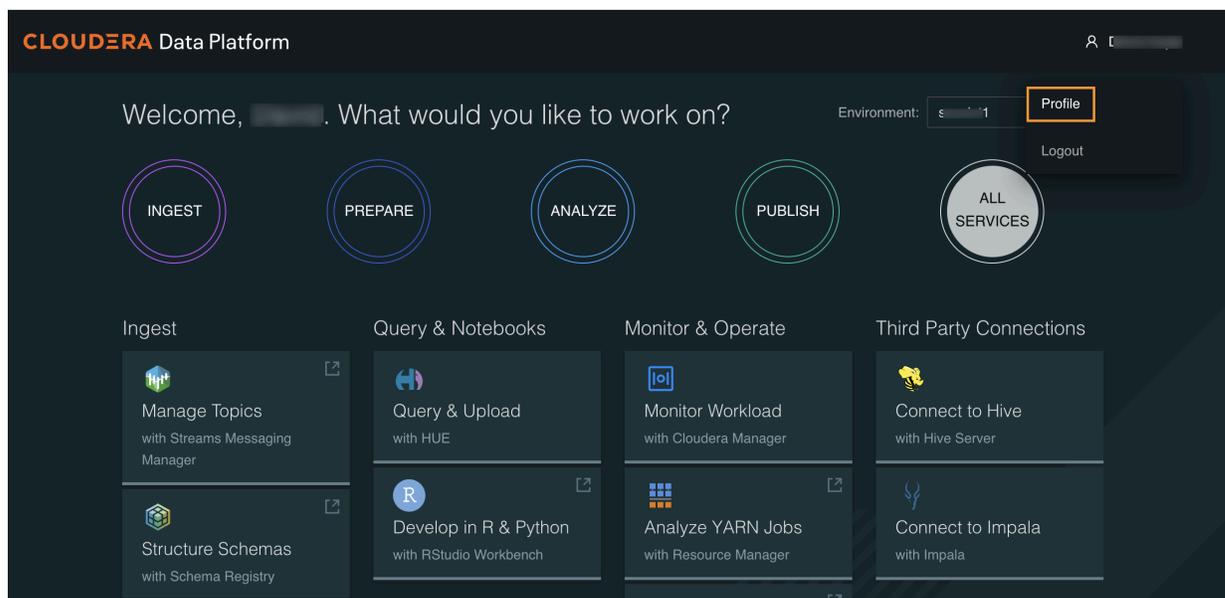
[Running Impala queries](#)

Setting a workload password

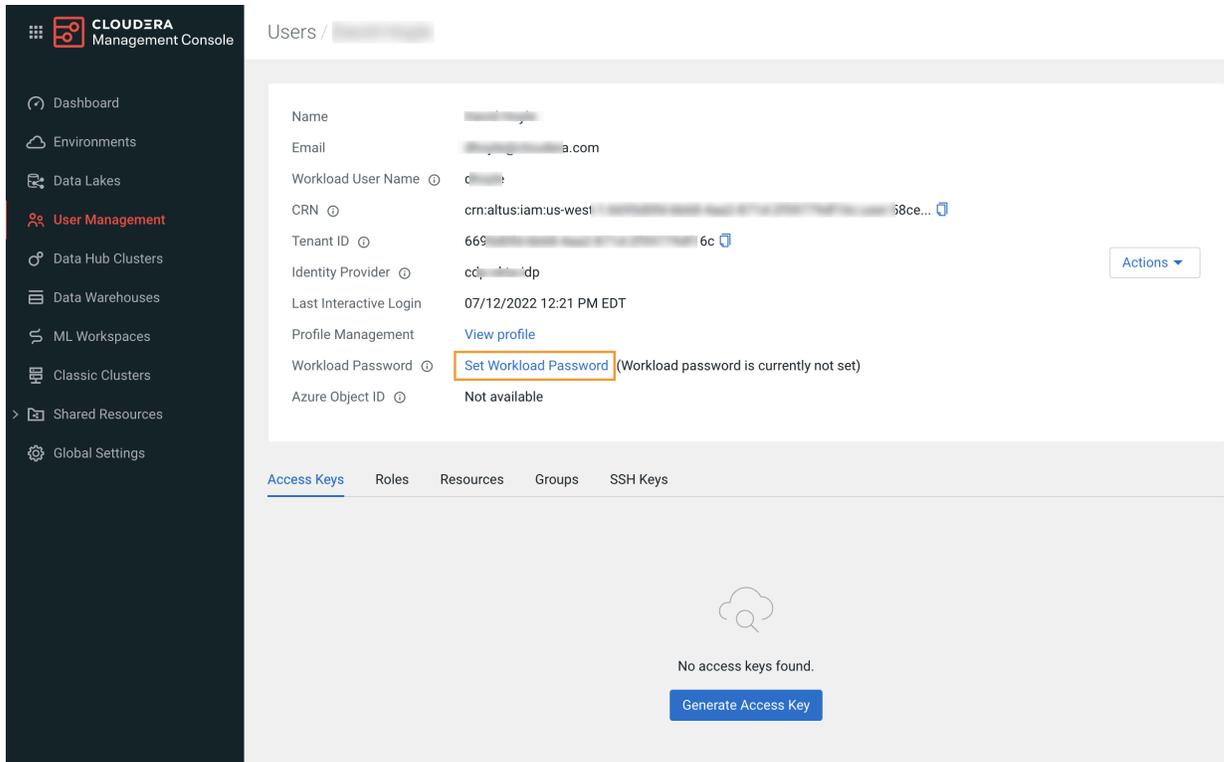
You can use your user profile page to set a workload password. Your workload password is used as the SSH password when accessing the gateway node CLI. You must perform a user sync after setting a workload password.

Procedure

1. On the CDP One console, move the pointer over the user icon at the top right of the page, then click Profile.

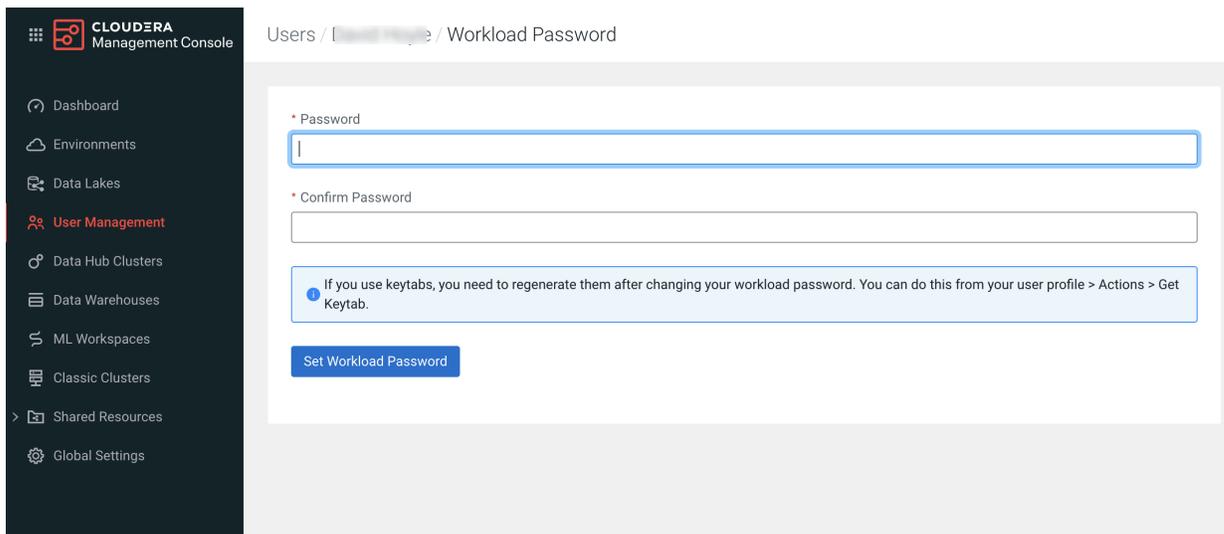


2. On your user profile page, click Set Workload Password.

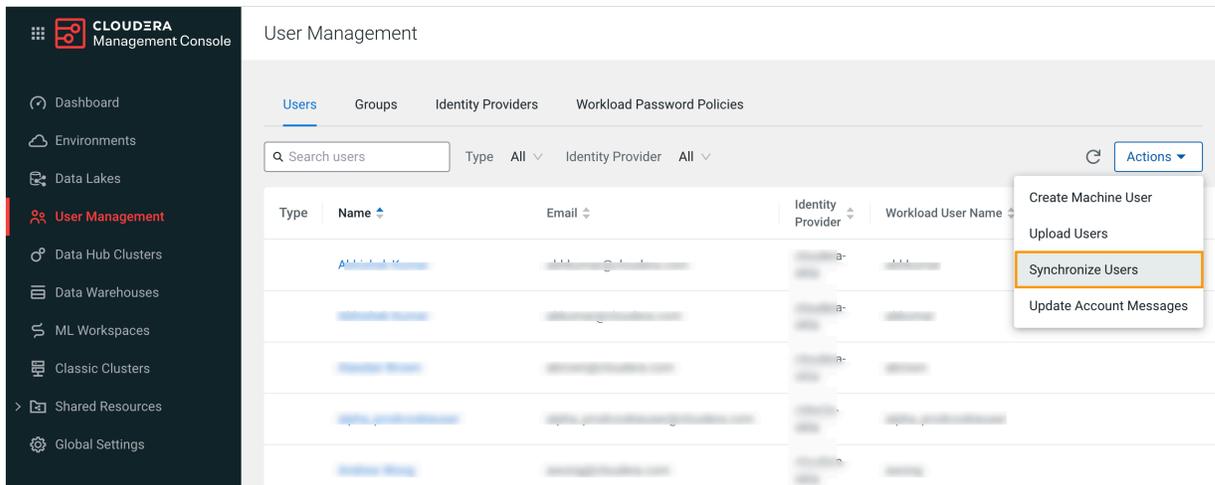


3. On the Workload Password page, type in and confirm a workload password, then click Set Workload Password.

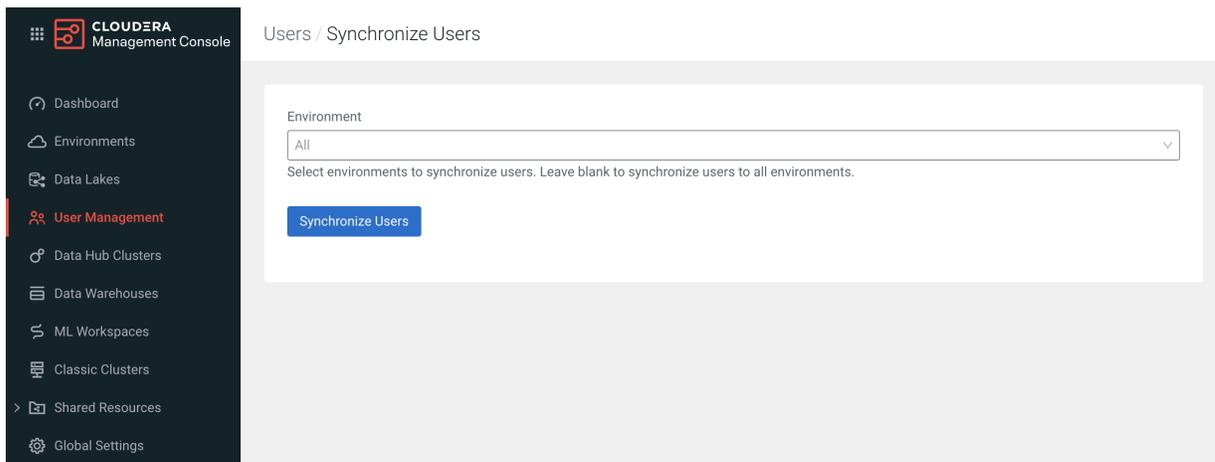
The password must be a minimum of eight characters, and must include at least one upper case character, one lowercase character, one number, and one special character. Supported special characters are "#", "&", "*", "\$", "%", "@", "^", ".", "_", and "!".



4. Click User Management, then select Actions > Synchronize Users.



5. On the Synchronize Users page, all environments are selected by default. You can synchronize users in all environments, or select a specific environment. Click Synchronize Users to synchronize users in the specified environments.



Using SSH to access gateway nodes

You can use SSH to connect to CDP One gateway nodes. This enables you to access the command line utilities of the analytic components in your CDP cluster and perform client tasks, such as querying Hive or Impala remotely from the command line. You use the Secure Shell (SSH) protocol to connect to a node from a terminal utility. Using SSH, you log into the node using a key pair for authentication instead of a user name and password.

Before you begin

- Set a workload password. See [Setting a workload password](#) on page 4.
- Register your SSH key pair for authentication. See [Registering SSH keys](#) on page 7.

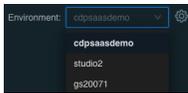


Note: You can only SSH into gateway nodes.

Procedure

1. Log into CDP One.

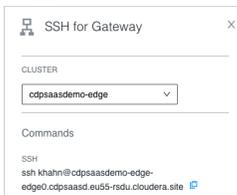
- In the Environment drop-down list, accept the default environment or select another environment.



- Click All Services.
- Under Command Line in the UI, click SSH for Gateway.



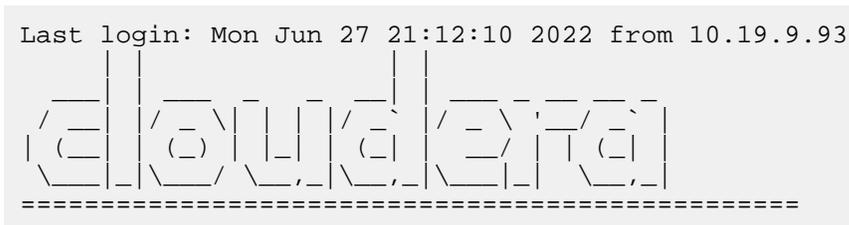
- Copy the SSH command.



- Open a terminal, and paste the command.

```
$ ssh myname@cdpsaasdemo-edge-edge0.cdpsaasd.eu55-rsdu.cloudera.site
```

- At the password prompt, enter your workload password.
The connection to the gateway succeeds. The output looks something like this:



Related Information

[Setting a workload password](#)

[Registering SSH keys](#)

Registering SSH keys

You learn how to register an existing Secure Shell (SSH) key pair. Registering the key pair of a user allows the user to access the cluster from the command line. RSA or ED25519 keys are supported.

Before you begin

You must have one of the following roles to complete this task:

- EnvironmentAdmin
- DataSteward
- PowerUser

Procedure

1. Go to the root directory on your computer.
For example, on Linux enter the change directory command:

```
$ cd
```

2. List hidden directories and files and look for the .ssh directory.
For example, on Linux enter the following command:

```
$ ls -ailg
```

3. If you find an .ssh directory, list the files in it.

```
$ cd .ssh  
$ ls
```

Output might include a private and public key pair, such as the following pair:

```
id_rsa  
id_rsa.pub
```

4. If you do not find a .ssh directory, skip the next step, and perform steps in the next topic, “Creating a new key pair”.
5. Copy your SSH public key to the clipboard.
For example, on Linux, enter the following command:

```
pbcopy < ~/.ssh/id_rsa.pub
```

6. In CDP One, click Profile.



7. In Users, on the SSH tab, click Add SSH key.

