

Secret rotation (Preview)

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Secret rotation

To add extra measures of security, you can rotate secrets, like database passwords or FreeIPA admin password using CLI commands. These secrets are managed and created by the CDP Control Plane. By using the following commands the secrets can be rotated to achieve more secure deployments.

A single secret rotation usually takes no longer than five minutes.

The following secrets can be rotated manually using CLI commands:

Secret name	Secret description	Service type	Downtime
DatalakeSecretType.EXTERNAL_DATABASE_ROOT_PASSWORD	Database root password	Data Lake	No
CloudbreakSecretType.EXTERNAL_DATABASE_ROOT_PASSWORD	Database root password	Data Hub	No
DatalakeSecretType.CM_ADMIN_PASSWORD	Cloudera Admin password	Data Lake	No
CloudbreakSecretType.CM_ADMIN_PASSWORD	Cloudera Admin password	Data Hub	No
FreeIpaSecretType.FREEIPA_ADMIN_PASSWORD	Free IPA admin password	FreeIPA	Yes

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To list the available secret types that can be rotated, use the following commands for each resource:

Unset

```
cdp datalake list-datalake-secret-types --datalake {datalakeCrn}
cdp environments list-freeipa-secret-types --environment {envCrn}
cdp datahub list-datahub-secret-types --datahub {datahubCrn}
```

Example command:

Unset

```
cdp datalake list-datalake-secret-types --datalake
crn:cdp:datalake:us-west-1:a09119cc-0803-4912-8566-5747cc823469:datalake:78c733
c8-791d-4040-8c22-32e01f6a80d9 --profile mowint
{
  "datalakeSecretTypes": [
    {
      "secretType": "EXTERNAL_DATABASE_ROOT_PASSWORD",
      "description": "Password is created by the Cloud Provider and
provides administrative access over the RDBMS attached to your cluster."
    },
    {
      "secretType": "CM_DB_PASSWORD",
      "description": "Password is used for Cloudera Manager Database
management by the Public Cloud Control Plane. It has admin privileges over CM
database and mostly used during provision and upgrades operations."
    }
  ]
}
```

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To rotate the secrets, use the following commands for each resource:

```
cdp datalake rotate-secrets --datalake {datalakeCrn} --secret-types  
{SECRETENUM1,SECRETENUM2}  
  
cdp environments rotate-secrets --environment {datalakeCrn} --secret-types  
{SECRETENUM1,SECRETENUM2}  
  
cdp datahub rotate-secrets --datahub {datalakeCrn} --secret-types  
{SECRETENUM1,SECRETENUM2}
```

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