Cloudera Data Engineering 1.5.4

NTP proxy setup on Cloudera Data Engineering

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Cloudera Data Engineering requires specific proxy configurations to manage virtual cluster connections efficiently in an air-gapped setup with restricted outbound connections. This setup ensures seamless access to external resources while adhering to network security and management policies.

Depending on your cluster platform, whether it is RKE2 for Embedded Container Service (ECS) clusters or OpenShift Container Platform (OCP), specific configurations and deployment methods apply. Consider the detailed instructions for configuring proxy settings in ECS server and agent configurations, as well as enabling cluster-wide proxies in OCP environments. Also consider the provided sample configurations and guidelines for configuring proxy servers, including specifying Classless Inter-domain Routing (CIDR) ranges to exclude from proxy routing and updating proxy server allowlists.

Related Information
[Installing a non-transparent proxy in a Cloudera Data Engineering environment](#)
[Enabling proxies in ECS and OCP environment](#)
[Proxy setting best practices](#)

Updating proxy configuration in an existing Cloudera Data Engineering

Changes to proxy settings in the Management Console do not automatically propagate to an existing Cloudera Data Engineering installation. Learn about how to manually update the proxy configuration in an existing Cloudera Data Engineering installation.

Identifying the namespaces of Cloudera Data Engineering service and Virtual Cluster

Each Cloudera Data Engineering service has one or more Virtual Clusters in it. Perform these steps to identify the namespaces of the Cloudera Data Engineering service and all the Virtual Clusters.

1. Identify the Cloudera Data Engineering service namespace:

   a. In the Cloudera Data Platform (CDP) console, click the Data Engineering tile. The Cloudera Data Engineering home page displays.

   b. On the left navigation menu, click Administration.

   c. In the Services column, click for the Cloudera Data Engineering service for which you want to identify the namespace.

   d. Note the Cluster ID displayed on the page and identify the Cloudera Data Engineering service namespace. For example, if the Cluster ID is cluster-5d88hpjx, then the Cloudera Data Engineering service namespace is dex-base-5d88hpjx.

   e. Note this namespace.

2. Identify the Virtual Cluster(s) namespace:

    a. In the Cloudera Data Platform (CDP) console, click the Data Engineering tile. The Cloudera Data Engineering home page displays.

    b. On the left navigation menu, click Administration.

    c.

    In the Virtual Clusters column, click for the Virtual Cluster for which you want to identify the namespace.

    d. Note the VC-ID displayed on the page and identify the Virtual Cluster namespace. For example, if the VC-ID is dex-app-6zqthvpq, then your Virtual Cluster namespace is also the same, that is dex-app-6zqthvpq.

    e. Note this namespace and repeat these steps for all Virtual Clusters.

Updating the proxy config

Update the ConfigMap cdp-proxy-config present in the namespaces of the Cloudera Data Engineering service and the Virtual Cluster(s) using this command:

```
kubectl edit configmaps cdp-proxy-config -n [***NAMESPACE***]
```

For example,

```
kubectl edit configmaps cdp-proxy-config -n dex-base-2bs9t4kv
```

Restarting all the deployments

> **Important:** Make sure that there are no jobs or sessions running before restarting the deployments.

After updating the ConfigMaps in all the relevant namespaces, restart all the deployments in Cloudera Data Engineering service and all the Virtual Clusters namespaces using this command:

```
kubectl -n [***NAMESPACE***] rollout restart deployment
```

For example,

```
kubectl -n dex-base-2bs9t4kv rollout restart deployment
kubectl -n dex-app-6zqthvpq rollout restart deployment
```

> **Note:** The pods take some time to restart.