

Public Cloud Environment Checklist

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Contents

Public cloud environment checklist for COD.....4

AWS account requirements for COD deployment.....4

Azure account requirements for COD deployment..... 4

GCP account requirements..... 5

CDP environments.....5

Public cloud environment checklist for COD

You must plan your cloud account requirements and resources before you create a Cloudera Operational Database (COD). COD is deployed on the public cloud, and you must understand the public cloud account requirements before you deploy your COD instance.

- Currently, Amazon Web Services (AWS), Google Cloud Platform (GCP), and Microsoft Azure are the supported public cloud environments. Before registering your AWS, Azure, or GCP environment in CDP, you must verify that your account has all the resources required by CDP.
- You must register your AWS, Azure, or GCP environment in CDP before you create a COD. You must also ensure that you read and understand the AWS or Azure account requirements so that your public cloud account has all the resources required by CDP and that your CDP administrator has adequate permissions to configure the resources and services in AWS, Azure, or GCP.



Note:

- You must enable an appropriate entitlement to use COD on GCP.
- For AWS environments, Cloudera recommends you to use the EBS volumes as gp2 for better performance.
- You must also configure your public cloud environment to ensure that you have assigned the correct policies and roles. See the related information for AWS, Azure, and GCP quickstarts that will help you set up your public cloud environment for use with COD.

Related Information

[AWS Onboarding Quickstart](#)

[Azure Onboarding Quickstart](#)

[GCP Onboarding Quickstart](#)

AWS account requirements for COD deployment

When Cloudera Operational Database (COD) is deployed, it uses resources from your AWS subscription that are registered for an environment in the CDP Management Console.

COD uses resources from your Amazon Web Services (AWS) subscription. You must first read the CDP Management Console documentation to understand the basic AWS requirements before you can deploy a COD.

If you are using the HBase Java API and Phoenix Thick JDBC driver, you must configure an edge node to access data in your operational database instance. This configuration step is necessary to ensure that you can query data that is stored in your COD. See the related information section for more information.

Related Information

[AWS environments](#)

[COD edge node overview](#)

Azure account requirements for COD deployment

When Cloudera Operational Database (COD) is deployed, it uses resources from your Microsoft Azure subscription that are registered for an environment in the CDP Management Console.

You must first read the CDP Management Console documentation to understand the basic Azure requirements before you can deploy a COD.

If you are using the HBase Java API and Phoenix Thick JDBC driver, you must configure an edge node to access data in your operational database instance. This configuration step is necessary to ensure that you can query data that is stored in your COD. See the related information section for more information.

Related Information

[Azure environments](#)

[COD edge node overview](#)

GCP account requirements

When Cloudera Operational Database (COD) is deployed, it uses resources from your Google Cloud Platform (GCP) subscription that are registered for an environment in the CDP Management Console.

You must first read the CDP Management Console documentation to understand the basic GCP requirements before you can deploy a COD.

If you are using the HBase Java API and Phoenix Thick JDBC driver, you must configure an edge node to access data in your operational database instance. This configuration step is necessary to ensure that you can query data that is stored in your COD. See the related information section for more information.

Related Information

[GCP environments](#)

[COD edge node overview](#)

CDP environments

In CDP, an environment is a logical subset of your virtual private network, which is hosted on a public cloud provider. You can register as many environments as you require.

Registering an environment with Management Console provides the CDP platform with access to your public cloud account. When you register an environment, resources are identified in your public cloud account that CDP services can access or provision.

If you are a CDP administrator, you must learn about how to set up your environment. For more information, see [Getting started as an admin](#).

If you are a CDP user, you must learn about how to set up CDP and CDP resources. For more information, see [Getting started as a user](#).

For more information about CDP environments, see [AWS environments](#), [Azure environments](#), and [GCP environments](#).

Runtime versions for COD

COD supports the following Cloudera Runtime versions:

- 7.2.14
- 7.2.15
- 7.2.16
- 7.2.17