

## Public Cloud Environment Checklist

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# CLOUDERA

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# Contents

<b>Public cloud environment checklist for Cloudera Operational Database.....</b>	<b>4</b>
<b>AWS account requirements for Cloudera Operational Database deployment.....</b>	<b>4</b>
<b>Azure account requirements for Cloudera Operational Database deployment.....</b>	<b>5</b>
<b>GCP account requirements.....</b>	<b>5</b>
<b>Cloudera environments.....</b>	<b>5</b>

## Public cloud environment checklist for Cloudera Operational Database

You must plan your cloud account requirements and resources before you create a Cloudera Operational Database. Cloudera Operational Database is deployed on the on cloud, and you must understand the public cloud account requirements before you deploy your Cloudera Operational Database 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 Cloudera, you must verify that your account has all the resources required by Cloudera.
- You must register your AWS, Azure, or GCP environment in Cloudera before you create a Cloudera Operational Database. 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 Cloudera and that your Cloudera administrator has adequate permissions to configure the resources and services in AWS, Azure, or GCP.



### Note:

- You must enable an appropriate entitlement to use Cloudera Operational Database 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 Cloudera Operational Database.

### Related Information

[AWS Onboarding Quickstart](#)

[Azure Onboarding Quickstart](#)

[GCP Onboarding Quickstart](#)

## AWS account requirements for Cloudera Operational Database deployment

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

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

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 Cloudera Operational Database. See the related information section for more information.

### Related Information

[AWS environments](#)

[Cloudera Operational Database edge node overview](#)

## Azure account requirements for Cloudera Operational Database deployment

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

You must first read the Cloudera Management Console documentation to understand the basic Azure requirements before you can deploy a Cloudera Operational Database.

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 Cloudera Operational Database. See the related information section for more information.

### Related Information

[Azure environments](#)

[Cloudera Operational Database edge node overview](#)

## GCP account requirements

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

You must first read the Cloudera Management Console documentation to understand the basic GCP requirements before you can deploy a Cloudera Operational Database.

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 Cloudera Operational Database. See the related information section for more information.

### Related Information

[GCP environments](#)

[Cloudera Operational Database edge node overview](#)

## Cloudera environments

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

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

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

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

### Runtime versions for Cloudera Operational Database

Cloudera Operational Database supports the following Cloudera Runtime versions:

- 7.2.14
- 7.2.15
- 7.2.16
- 7.2.17
- 7.2.18
- 7.3.1