

# Scaling Cloudera Operational Database instances vertically (Preview)

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# Scaling Cloudera Operational Database instances vertically

You can scale up a Cloudera Operational Database (COD) cluster vertically, which means upgrading a COD cluster from a LIGHT duty to a HEAVY duty instance type. You can only upgrade COD clusters belonging to the Gateway and Master nodes.

## About this task

Selecting a larger instance type adds more vCPU and/or RAM to your instances. You can scale up instances from LIGHT to HEAVY using the CDP CLI command tool.

## Before you begin

- You must stop the COD cluster before you vertically scale any of the instances.
- You must grant **CDP\_CB\_AWS\_VERTICAL\_SCALE** entitlement for the specific tenant.
- You must stop EBS-backed instances before scaling. Vertical scaling is supported on AWS only. See [Change the instance type in AWS](#) documentation for more information.
- You must ensure that the COD clusters belong only to Gateway nodes or Master nodes.
- You must download and install the latest CDP CLI beta version. For more information, see, [Installing Beta CDP CLI](#).

## Steps

1. Log in to the CDP CLI command tool.
2. Run the following command

```
cdp opdb update-database --environment <environment_name>
--database <database_name> --vertical-scale
<Group_type_for_the_database_nodes>
```

The following are the possible values for the group type for the database nodes:

- **GATEWAY:** Value of the group variable as GATEWAY.
- **MASTER:** Value of the group variable as MASTER.

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For example,

```
cdp opdb update-database --environment-name cod-7216-micro10
--database-name odx2408 --vertical-scale MASTER
```

## After you finish

Start the cluster after you have vertically scaled it. You can also configure the services on the cluster to use the additional or reduced resources/memory.