# Root disk vertical scaling (Preview)

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With the growing amount of logging data, or due to more parcels being present during an OS upgrade, there can be a need for additional storage capacity on the root disks attached to environment, Data Lake, or Cloudera Data Hub instances. Cloudera recommends following the process outlined below rather than manually performing this task on the cloud provider side.

This will trigger an update on the cloudera database for the volume type and size of the root disk and then trigger a repair operation on a rolling basis so that instances can be provisioned with the new configuration when repaired.

In case of HA clusters, the operation is performed on a rolling basis.

### Limitations and requirements

When using this preview feature, be aware of the following limitations and requirements:

- This feature is only available for Azure and AWS.
- In most cases, no downtime is involved as the changes take place one instance at a time. There is no complete shutdown unless there is only one instance in a group.
- Current implementation does not support this feature through the Cloudera UI; It is available only through Beta CDP CLI. To install Beta CDP CLI, refer to Installing Beta CDP CLI.
- Any previous data on the root disk, such as logs, will be deleted because this operation includes a repair.
- Minimum Cloudera size required: 200GB

#### AWS:

- Max size is 2 TB, also depends on instance type and OS.
- Volume types supported:
  - Standard
  - Gp2
  - Gp3
- Volume types not supported:
  - Throughput optimized (st1)
  - Cold HDD (sc1)

#### **AZURE:**

- Max size is 2 TB, also depends on instance type and OS.
- Volume types supported:
  - StandardSSD LRS
  - o Premium\_LRS
  - Standard\_GRS
- Volume types not supported:

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- Ultra
- o Premium SSD v2

Use the following Beta CDP CLI command to modify the volumes attached to the instances:

#### **Environment:**

#### Data Lake:

#### Cloudera Data Hub:

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