

Monitoring and auditing

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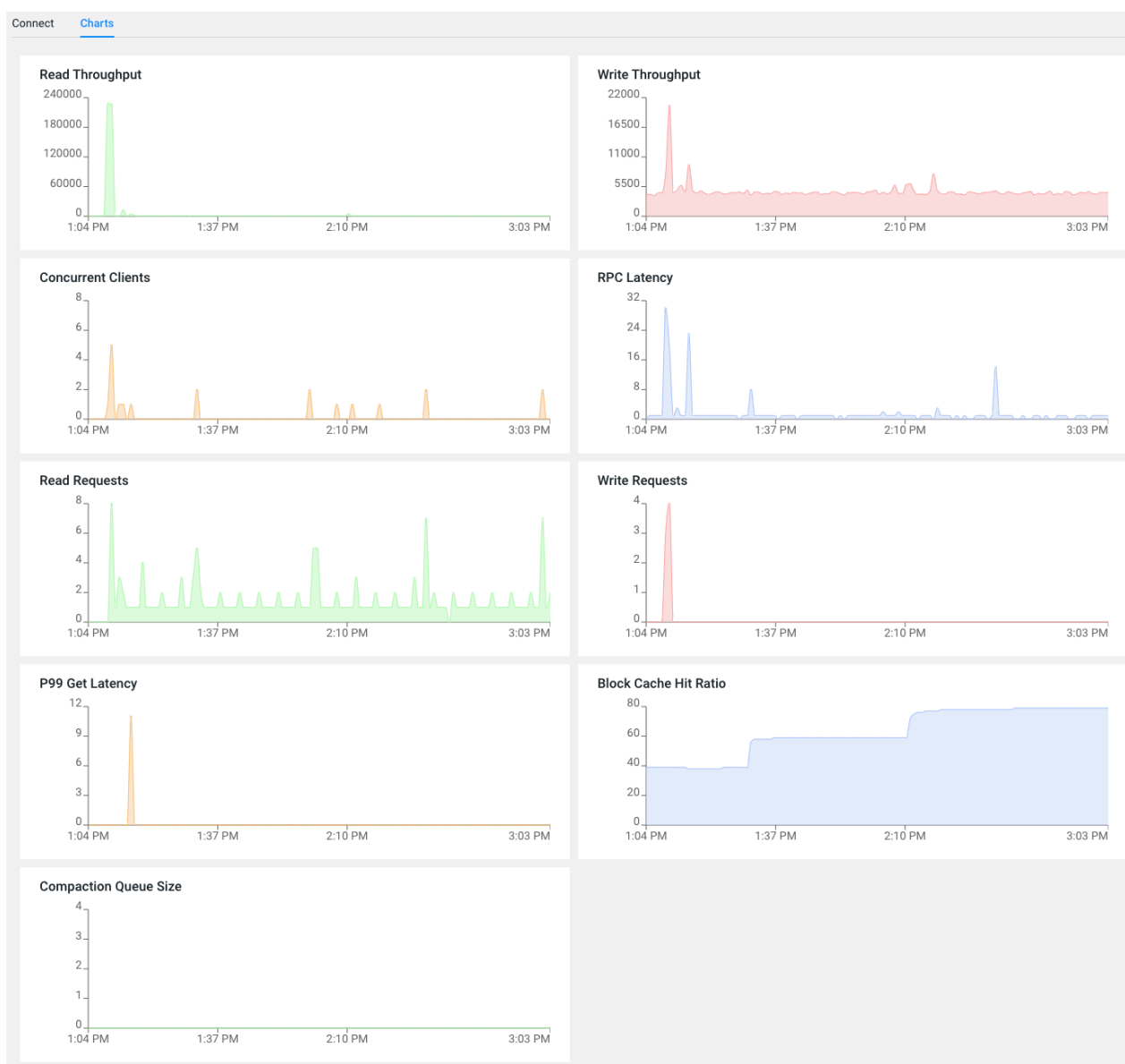
Monitor COD metrics

You can monitor your CDP Operational Database (COD) service using the charts in the COD user interface.

You can access the charts in the COD user interface. You have to navigate to [Databases Charts](#).

The charts provide you with the following information:

- **Read Throughput:** Read throughput over time. The throughput per node greatly depends on table cell size and data request patterns.
- **Write Throughput:** Write throughput over time.
- **Concurrent Clients:** Number of clients currently connected to the database.
- **RPC Latency:** Latency when receiving or sending bytes from the RPC in the RegionServer.
- **Read Requests:** Total number of read requests per second.
- **Write Requests:** Total number of write requests per second.
- **P99 Get Latency:** 99th percentile of Get operation latency.
- **Block Cache Hit Ratio:** The percent of the time that requests with the block cache turned on hit the block cache.
- **Compaction Queue Size:** Size of the compaction queue.



Query COD event log and audit events

Cloudera Operational Database (COD) logs and audits important events such as the COD CRUD operations and database access. You can query these audit events for a specific time interval.

Audit events give you an understanding of the COD operations during your specified time interval.

To view the event logs for a specific time interval, run the following command in the CDP CLI:

```
$ clients/cdpcli/cdp.sh audit list-events --from-timestamp yyyy-mm-ddT00:00:00Z --to-timestamp yyyy-mm-ddT00:00:00Z --event-source opdb
```

Note that you have to use the ISO-8601 standard timestamps format.

To view the command information and on-screen help, run the following command in the CDP CLI:

```
$ clients/cdpcli/cdp.sh audit list-events
```

The audit query result displays event details such as event name, time stamp, accountID, requestID, and result code. Some events do not display a success or failure result codes; these are simple events that indicate that an action succeeded.

Collecting operational database diagnostic bundle

Learn how to download or upload diagnostic bundles to troubleshoot issues in an operational database in Cloudera Public Cloud.

About this task


To troubleshoot issues in your Cloudera Operational Database, you can download diagnostic bundles of log files. These log files are generated when you run some operations in your Cloudera Operational Database environment.

Before you begin

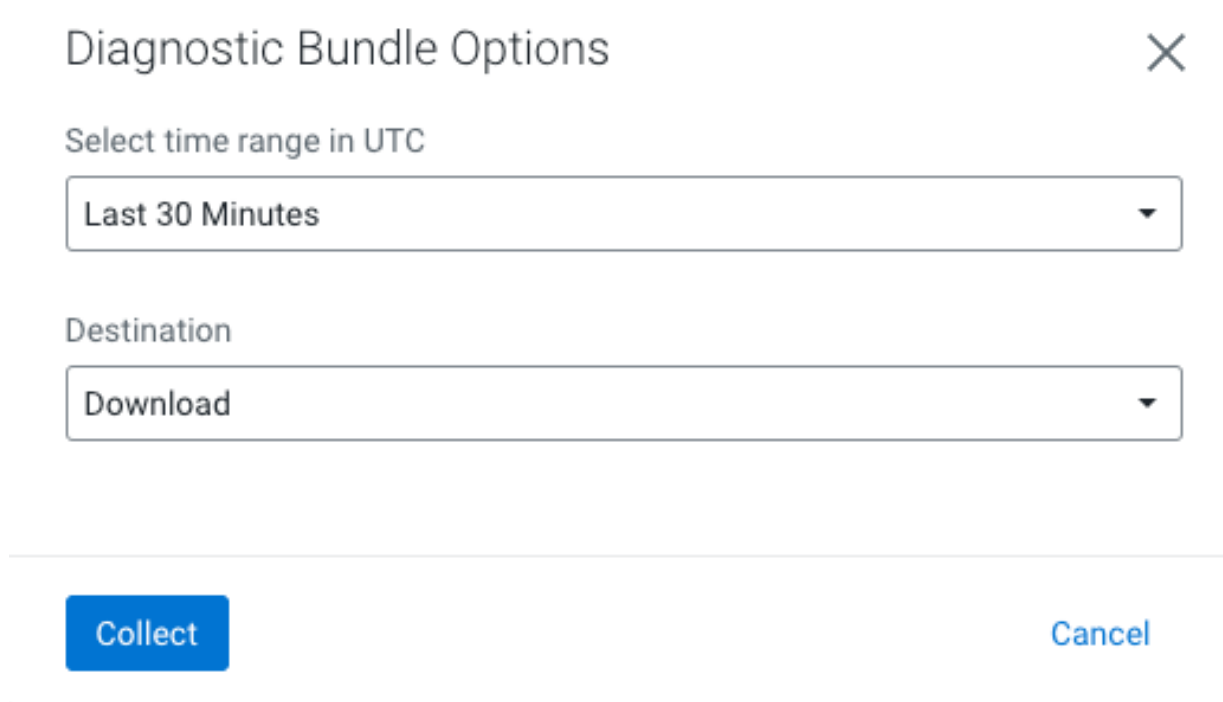
You must be logged into the Cloudera Operational Database as an ODAdmin.

Procedure

1. Log in to the Cloudera Operational Database web interface as an ODAdmin.
- 2.

Find the database for which you want to collect the diagnostic bundle and click  Collect Diagnostic Bundle

The options for generating the diagnostic bundles are displayed as shown in the following image:



Diagnostic Bundle Options

Select time range in UTC

Last 30 Minutes

Destination

Download

Collect Cancel

3. Select the time range for which you want to download the diagnostic bundle.

4. Select the destination where you want to collect the diagnostic bundle.

- Download: You can download a diagnostic bundle to your local computer.
- Upload: You can upload a diagnostic bundle directly to the Cloudera support incident portal. You need to specify the support case number while uploading it.

Diagnostic Bundle Options

Select time range in UTC

Last 30 Minutes

Destination

Upload

* Case Number

Collect

Cancel

5. Click Collect.

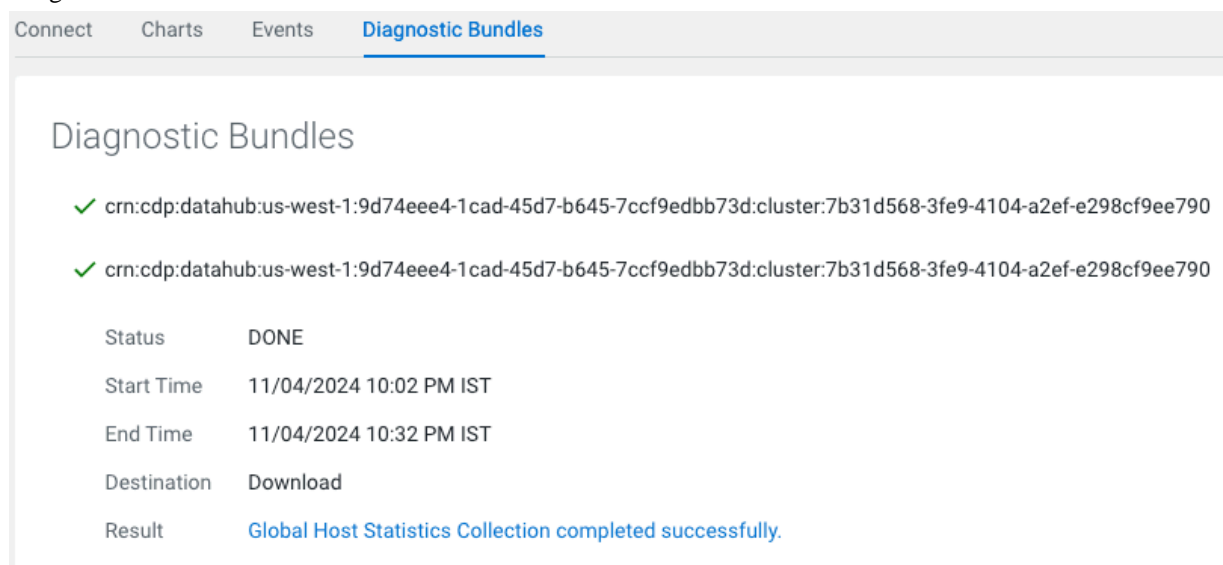
The following message is displayed:

“Collection of Diagnostic Bundle for <db_name> initiated. Please go to details page for more information.”

6. Go to Databases and select the database for which you are collecting the diagnostic data.

7. Go to the Diagnostic Bundles tab on the database details page.

The jobs that have been triggered for generating the diagnostic bundles are displayed, as shown in the following image:



Connect	Charts	Events	Diagnostic Bundles
Diagnostic Bundles			
✓	crn:cdp:datahub:us-west-1:9d74eee4-1cad-45d7-b645-7ccf9edbb73d:cluster:7b31d568-3fe9-4104-a2ef-e298cf9ee790		
✓	crn:cdp:datahub:us-west-1:9d74eee4-1cad-45d7-b645-7ccf9edbb73d:cluster:7b31d568-3fe9-4104-a2ef-e298cf9ee790		
Status	DONE		
Start Time	11/04/2024 10:02 PM IST		
End Time	11/04/2024 10:32 PM IST		
Destination	Download		
Result	Global Host Statistics Collection completed successfully.		

8. Click on the link next to the Result to download the diagnostic bundle to your computer.

Results

The Diagnostic Bundles tab shows the link to download the diagnostic data.

Related Information

[Send a diagnostic bundle to Cloudera Support](#)