

Listing views

This document describes how to list views in BigQuery.

You can list views in datasets by:

- Using the Cloud Console or the classic BigQuery web UI
- Using the `bq ls` command in the `bq` command-line tool
- Calling the `tables.list` (/bigquery/docs/reference/v2/tables/list) API method
- Using the client libraries

Required permissions

At a minimum, to list views in a dataset, you must be granted `bigquery.tables.list` permissions. The following predefined IAM roles include `bigquery.tables.list` permissions:

- `bigquery.user`
- `bigquery.metadataViewer`
- `bigquery.dataViewer`
- `bigquery.dataOwner`
- `bigquery.dataEditor`
- `bigquery.admin`

For more information on IAM roles and permissions in BigQuery, see [Predefined roles and permissions](/bigquery/docs/access-control) (/bigquery/docs/access-control).

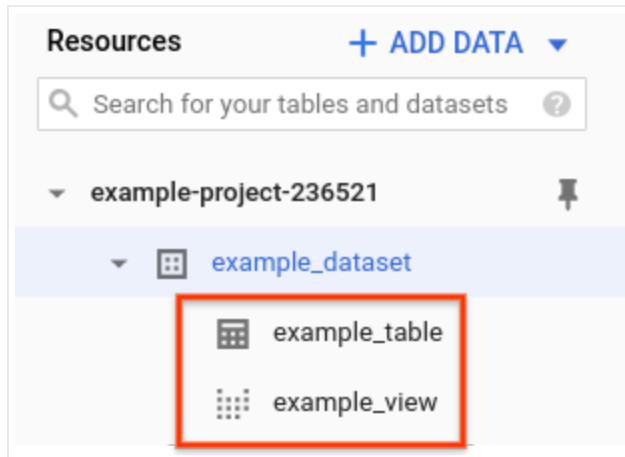
Listing views

Listing views is identical to the process for listing tables.

To list the views in a dataset:

[Console Classic UI](#) (#classic-ui)[bq](#) (#bq)[API](#) (#api)[Go](#) (#go)[Python](#) (#python)

1. In the navigation panel, in the **Resources** section, expand your project and click on a dataset. This displays the tables and views in the dataset.
2. Scroll through the list to see the tables in the dataset. Tables and views are identified by different icons.



Next steps

- For information on creating views, see [Creating views](/bigquery/docs/views) (/bigquery/docs/views).
- For information on creating an authorized view, see [Creating authorized views](/bigquery/docs/authorized-views) (/bigquery/docs/authorized-views).
- For information on getting view metadata, see [Getting information about views](/bigquery/docs/view-metadata) (/bigquery/docs/view-metadata).
- For information on updating views, see [Updating views](/bigquery/docs/updating-views) (/bigquery/docs/updating-views).
- For more information on managing views, see [Managing views](/bigquery/docs/managing-views) (/bigquery/docs/managing-views).

Except as otherwise noted, the content of this page is licensed under the [Creative Commons Attribution 4.0 License](https://creativecommons.org/licenses/by/4.0/) (https://creativecommons.org/licenses/by/4.0/), and code samples are licensed under the [Apache 2.0 License](https://www.apache.org/licenses/LICENSE-2.0) (https://www.apache.org/licenses/LICENSE-2.0). For details, see the [Google Developers Site Policies](https://developers.google.com/site-policies) (https://developers.google.com/site-policies). Java is a registered trademark of Oracle and/or its affiliates.

Last updated 2020-08-10 UTC.