Permission

bigquery.bireservations.get (beta)
bigquery.bireservations.update (beta)
bigquery.capacityCommitments.create (beta)
bigquery.capacityCommitments.delete (beta)
bigquery.capacityCommitments.get (beta)
bigquery.capacityCommitments.list (beta)
bigquery.capacityCommitments.update (beta)
bigquery.connections.create
bigquery.connections.delete
bigquery.connections.get
bigquery.connections.list
bigquery.connections.update

bigquery.connections.use
bigquery.datasets.create
bigquery.datasets.delete
bigquery.datasets.get
bigquery.datasets.getIamPolicy
bigquery.datasets.setIamPolicy
bigquery.datasets.update
bigquery.jobs.create
bigquery.jobs.get

bigquery.jobs.list

bigquery.jobs.listAll
bigquery.jobs.update
bigquery.models.create
bigquery.models.delete

bigquery.models.getData

bigquery.models.getMetadata
bigquery.models.list

bigquery.models.updateData

bigquery.models.updateMetadata

bigquery.models.create and bigquery.models.getData

bigquery.readsessions.create (beta)

bigquery.readsessions.getData (beta)
bigquery.readsessions.update (beta)
bigquery.reservations.create (beta)
bigquery.reservations.delete (beta)
bigquery.reservations.get (beta)
bigquery.reservations.list (beta)
bigquery.reservations.update (beta)

bigquery.reservationAssignments.create (beta)

bigquery.reservationAssignments.delete (beta)
bigquery.reservationAssignments.list (beta)

bigquery.reservationAssignments.search (beta)

bigquery.routines.create (beta)
bigquery.routines.delete (beta)
bigquery.routines.get (beta)
bigquery.routines.list (beta)
bigquery.routines.update (beta)
bigquery.savedqueries.create
bigquery.savedqueries.delete
bigquery.savedqueries.get
bigquery.savedqueries.list
bigquery.savedqueries.update

bigquery.tables.create
bigquery.tables.delete
bigquery.tables.export

bigquery.tables.get

bigquery.tables.getData
bigquery.tables.getIamPolicy
bigquery.tables.list
bigquery.tables.setCategory
bigquery.tables.setIamPolicy

bigquery.tables.update

bigquery.tables.updateData
bigquery.transfers.get
bigquery.transfers.update

Description

Read BI Engine reservations.

Update BI Engine reservations.

Create a capacity commitment in the project.

Delete a capacity commitment.

Retrieve details about a capacity commitment.

List all capacity commitments in a project.

Update all capacity commitments in a project.

Create new connections in a project.

Delete a connection.

Get connection metadata. Credentials are excluded.

List connections in a project.

Update a connection and its credentials.

Use a connection configuration to connect to a
remote data source.

Create new empty datasets.

Delete a dataset.

Get metadata about a dataset.

Reserved for future use.

Reserved for future use.

Update metadata for a dataset.

Run jobs (including queries) within the project.

Get data and metadata on any job.*

List all jobs and retrieve metadata on any job
submitted by any user.* For jobs submitted by other
users, details and metadata are redacted.

List all jobs and retrieve metadata on any job
submitted by any user.*

Cancel any job.*

Create new models.

Delete models.

Get model data. To get model metadata, you
need bigquery.models.getMetadata.

Get model metadata. To get model data, you
need bigquery.models.getData.

List models and metadata on models.

Update model data. To update model metadata, you
need bigquery.models.updateMetadata.

Update model metadata. To update model data, you
need bigquery.models.updateData.

Perform ML
operations: ML.PREDICT, ML.WEIGHTS, ML.TRAINING_
INFO, and ML.FEATURE_INFO

Create a new read session via the BigQuery Storage
API.

Read data from a read session via the BigQuery
Storage API.

Update a read session via the BigQuery Storage API.

Create a reservation in a project.

Delete a reservation.

Retrieve details about a reservation.

List all reservations in a project.

Update a reservation's properties.

Create a reservation assignment. This permission is
required on the owner project and assignee resource.

To move a reservation assignment, you
need bigquery.reservationAssignments.create on the
new owner project and assignee resource.

Delete a reservation assignment. This permission is
required on the owner project and assignee resource.

To move a reservation assignment, you
need bigquery.reservationAssignments.delete on the
old owner project and assignee resource.

List all reservation assignments in a project.

Search for a reservation assignment for a given
project, folder, or organization.

Create new routines (functions and stored
procedures).

Delete routines.

Get routine definitions and metadata.

List routines and metadata on routines.

Update routine definitions and metadata.

Create saved queries.

Delete saved queries.

Get metadata on saved queries.

List saved queries.

Update saved queries.

Create new tables.

Delete tables.

Export table data out of BigQuery.

Get table metadata.

To get table data, you need bigquery.tables.getData.

Get table data. This permission is required for querying table data.

To get table metadata, you need bigquery.tables.get.

Read a table's Cloud IAM policy.

List tables and metadata on tables.

Set policy tags in table schema.

Change a table's Cloud IAM policy.

Update table metadata.

To update table data, you need bigquery.tables.updateData.

Update table data.

To update table metadata, you need bigquery.tables.update.

Get transfer metadata.

Create, update, and delete transfers.