

This page describes how to grant Cloud Spanner IAM permissions for a database, instance, or Google Cloud project to an account.

For information on Google Cloud roles, see [Understanding roles \(/iam/docs/understanding-roles\)](/iam/docs/understanding-roles), and for more information on Cloud Spanner roles, see [Access control: roles \(/spanner/docs/iam#roles\)](/spanner/docs/iam#roles).

If your account does not have sufficient permissions, you will be unable to view some of the items in the directions below. In this case, ask your project's owner to grant you additional permissions.

Before you attempt to apply database-level permissions, check that you have sufficient permissions to apply roles to another account. You need permissions at the project, instance, or database level.

1. Go to your project's **IAM** page.

[Go to the IAM page \(https://console.cloud.google.com/iam-admin/iam\)](https://console.cloud.google.com/iam-admin/iam)

2. Select your project in the drop-down list in the toolbar.
3. Select **Members** as the **View by** option.
4. Find your account in the list. If your account is listed as **Owner** or **Editor** in the **Role** column, you have sufficient permissions. If not, continue to the next step.
5. Go to the Cloud Spanner **Instances** page.

[Go to the instances page \(https://console.cloud.google.com/spanner/instances\)](https://console.cloud.google.com/spanner/instances)

6. Select the checkbox for the instance that contains your database.
The **Info panel** appears on the right-hand side of the page.
7. In the **Permissions** tab of the **Info panel**, expand the member lists and find your account. If your account is listed as **Owner**, **Editor**, **Cloud Spanner Admin** or **Cloud Spanner Database Admin**, you have sufficient permissions. If not, continue to the next step.
8. Click on the instance name to go to the **Instance details** page.

9. Click **Show Info panel** on the right-hand side of the page.
10. In the **Overview** tab of the page, select the checkbox for your database.
11. In the **Permissions** tab of the **Info panel**, expand the member lists and find your account. If your account is listed as **Owner**, **Editor**, **Cloud Spanner Admin**, or **Cloud Spanner Database Admin**, you have sufficient permissions.

If you do not have sufficient permissions at the project, instance, or database level, ask the project's owner to grant you additional permissions.

Use the following steps to apply roles for Cloud Spanner to an individual database in a project.

1. Go to the Cloud Spanner **Instances** page.

[Go to the instances page](https://console.cloud.google.com/spanner/instances) (https://console.cloud.google.com/spanner/instances)

2. Select your project in the drop-down list in the toolbar.
3. Click the name of the instance that contains your database to go to the **Instance details** page.
4. In the **Overview** tab, select the checkbox for your database.
The **Info panel** appears.
5. Click the **Permissions** tab in the **Info panel**.
6. In the **Add members** box in the **Info panel**, enter the email address for the account that you want to add.
7. Select one or more roles in the drop-down list.
8. Click **Add**.

Before you attempt to apply instance-level permissions at the instance level, check that you have sufficient permissions to apply roles to another account. You need permissions at the project or instance level.

1. Go to your project's **IAM** page.

[Go to the IAM page](https://console.cloud.google.com/iam-admin/iam) (https://console.cloud.google.com/iam-admin/iam)

2. Select your project in the drop-down list in the toolbar.
3. Select **Members** as the **View by** option.
4. Find your account in the list. If your account is listed as **Owner** or **Editor** in the **Role** column, you have sufficient permissions. If not, continue to the next step.
5. Go to the Cloud Spanner **Instances** page.

[Go to the instances page](https://console.cloud.google.com/spanner/instances) (https://console.cloud.google.com/spanner/instances)

6. Select the checkbox for the instance.
The **Info panel** appears on the right-hand side of the page.
7. In the **Permissions** tab of the **Info panel**, expand the member lists and find your account. If your account is listed as **Owner**, **Editor**, **Cloud Spanner Admin**, or **Cloud Spanner Database Admin**, you have sufficient permissions.

If you do not have sufficient permissions at the project or instance level, ask the project's owner to grant you additional permissions.

Use the following steps to apply roles for Cloud Spanner to an instance in a project.

1. Go to the Cloud Spanner **Instances** page.

[Go to the instances page](https://console.cloud.google.com/spanner/instances) (https://console.cloud.google.com/spanner/instances)

2. Select your project in the drop-down list in the toolbar.
3. Select the checkbox for the instance.
The **Info panel** appears on the right-hand side of the page.
4. Click the **Permissions** tab in the **Info panel**.
5. In the **Add members** box in the **Info panel**, enter the email address for the account that you want to add.
6. Select one or more roles in the drop-down list.
7. Click **Add**.

You can also grant IAM permissions for an entire Google Cloud project to an account in the **IAM** page of the Cloud Console. Adding permissions at the project level grants the IAM permissions to an account for all Cloud Spanner instances and databases in the project.

Before you attempt to apply project-level permissions, check that you have sufficient permissions to apply roles to another account. You need permissions at the project level.

1. Go to your project's **IAM** page.

[Go to the IAM page](https://console.cloud.google.com/iam-admin/iam) (https://console.cloud.google.com/iam-admin/iam)

2. Select your project in the drop-down list in the toolbar.
3. Select **Members** as the **View by** option.
4. Find your account in the list. If your account is listed as **Owner** or **Editor** in the **Role** column, you have sufficient permissions.

If you do not have sufficient permissions at the project level, ask the project's owner to grant you additional permissions.

1. Go to your project's **IAM** page.

[Go to the IAM page](https://console.cloud.google.com/iam-admin/iam) (https://console.cloud.google.com/iam-admin/iam)

2. Select your project in the drop-down list in the toolbar.
3. Select **Members** as the **View by** option.
4. Find the account in the list and click **Edit**



5. On the **Edit permissions** page, click **Add Another Role**.
6. Select a role in the drop-down list.

7. Click **Save**.

1. Go to your project's **IAM** page.

Go to the IAM page (<https://console.cloud.google.com/iam-admin/iam>)

2. Select your project in the drop-down list in the toolbar.

3. Click the **Add** button below the toolbar.

4. In the **New members** box, enter the email for the account that you want to add.

5. Select a role in the drop-down list.

6. Click **Save**.

For more information, see [Granting, changing, and revoking access](/iam/docs/granting-changing-revoking-access) (/iam/docs/granting-changing-revoking-access).