

[Cloud SQL](https://cloud.google.com/sql/) (<https://cloud.google.com/sql/>)

[Documentation](https://cloud.google.com/sql/docs/) (<https://cloud.google.com/sql/docs/>)

[SQL Server](https://cloud.google.com/sql/docs/sqlserver/) (<https://cloud.google.com/sql/docs/sqlserver/>) [Guides](#)

Importing data into Cloud SQL

[MySQL](https://cloud.google.com/sql/docs/mysql/import-export/importing) (<https://cloud.google.com/sql/docs/mysql/import-export/importing>) | [PostgreSQL](https://cloud.google.com/sql/docs/postgres/import-export/importing) (<https://cloud.google.com/sql/docs/postgres/import-export/importing>) | **SQL Server**

Beta

This feature is in a pre-release state and might change or have limited support. For more information, see the [product launch stages](https://cloud.google.com/products/#product-launch-stages) (<https://cloud.google.com/products/#product-launch-stages>).

This page describes how to import data into Cloud SQL. For best practices for importing data, see [Best Practices for Importing and Exporting Data](https://cloud.google.com/sql/docs/sqlserver/import-export/) (<https://cloud.google.com/sql/docs/sqlserver/import-export/>).

To import data from Cloud Storage, the instance's service account needs to have the **Bucket Reader ACL** permission set in the project. For more information see [Cloud Identity and Access Management for Cloud Storage](https://cloud.google.com/storage/docs/access-control/iam/) (<https://cloud.google.com/storage/docs/access-control/iam/>).

Importing SQL dump files to Cloud SQL

Before you begin

- SQL dump files must have been created with the correct parameters.

For help with creating SQL dump files ready for import into Cloud SQL, see [Exporting Data](https://cloud.google.com/sql/docs/sqlserver/import-export/exporting) (<https://cloud.google.com/sql/docs/sqlserver/import-export/exporting>).

Importing a SQL dump file

To import a SQL dump file to a Cloud SQL instance:

CONSOLE

G CLOUD

CURL

1. Create your SQL dump file, if you haven't already, using the instructions in [Exporting Data](https://cloud.google.com/sql/docs/sqlserver/import-export/exporting) (<https://cloud.google.com/sql/docs/sqlserver/import-export/exporting>) to ensure that your dump file is useable by Cloud SQL.

2. Create a Cloud Storage bucket, if you haven't already.

For help with creating a bucket, see [Creating Storage Buckets](https://cloud.google.com/storage/docs/creating-buckets) (<https://cloud.google.com/storage/docs/creating-buckets>).

3. Upload the file to your bucket.

For help with uploading files to buckets, see [Uploading an Object](https://cloud.google.com/storage/docs/uploading-objects) (<https://cloud.google.com/storage/docs/uploading-objects>).

4. Go to the Cloud SQL Instances page in the Google Cloud Console.

GO TO THE CLOUD SQL INSTANCES PAGE ([HTTPS://CONSOLE.CLOUD.GOOGLE.COM/SQL/INSTANCES](https://console.cloud.google.com/sql/instances))

5. Select the instance to open its **Instance details** page.

6. Click **Import** in the button bar.

7. Enter the path to the bucket and SQL dump file you uploaded, or browse to it by clicking **Browse** and doubleclicking the name of the bucket and then selecting the file and clicking **Select**.

You can use a compressed (.gz) or an uncompressed (.sql) file.

8. For **Format**, select **SQL**.

9. Select the database you want the data to be imported into.

This causes Cloud SQL to run the `USE DATABASE` statement before the import.

★ If your SQL dump file includes a `USE DATABASE` statement, it overrides the database you set in the console.

10. Click **Import** to start the import.

Importing BAK files to Cloud SQL

Note: If your instance version is Microsoft SQL Server Enterprise Edition, you can import encrypted BAK files.

Before you begin

For the instructions below, prepare to specify a new database; do not create a database before starting the import of your BAK file.

Note: You cannot import a database that was exported from a higher version of SQL Server. For example, if you exported a SQL Server 2017 Enterprise version, you cannot import it into a SQL Server 2017 Standard version.

Importing the BAK file

To import data to a Cloud SQL instance using a BAK file:

CONSOLE	G CLOUD	CURL
<ol style="list-style-type: none">1. Go to the Cloud SQL Instances page in the Google Cloud Console. GO TO THE CLOUD SQL INSTANCES PAGE (HTTPS://CONSOLE.CLOUD.GOOGLE.COM/SQL/INSTANCES)2. Select the instance to open its Instance details page.3. Click Import in the button bar.4. Choose the BAK file you uploaded for import into your Cloud SQL instance.5. Under Format, select BAK.6. Specify the Database in your Cloud SQL instance where you wish to import the BAK file.7. Click the Import to start the import.		

If you get an error such as `ERROR_RDBMS`, ensure the table exists. If the table exists, confirm that you have the correct permissions on the bucket. For more information about configuring access control in Cloud Storage, see [Create and Manage Access Control Lists](https://cloud.google.com/storage/docs/access-control/create-manage-lists) (<https://cloud.google.com/storage/docs/access-control/create-manage-lists>).

What's next

- Learn how to [check the status of import and export operations](https://cloud.google.com/sql/docs/sqlserver/import-export/checking-status-import-export) (<https://cloud.google.com/sql/docs/sqlserver/import-export/checking-status-import-export>).
- Learn more about [importing and exporting data](https://cloud.google.com/sql/docs/sqlserver/import-export/) (<https://cloud.google.com/sql/docs/sqlserver/import-export/>).

- Learn more about [Cloud Storage](https://cloud.google.com/storage/docs/) (https://cloud.google.com/storage/docs/).

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