

[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](#)

Restoring an instance

[MySQL](https://cloud.google.com/sql/docs/mysql/backup-recovery/restoring) (<https://cloud.google.com/sql/docs/mysql/backup-recovery/restoring>) | [PostgreSQL](https://cloud.google.com/sql/docs/postgres/backup-recovery/restoring) (<https://cloud.google.com/sql/docs/postgres/backup-recovery/restoring>) | **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 restore your instance from a backup.

For information about restore operations, see [Overview of restoring an instance](https://cloud.google.com/sql/docs/sqlserver/backup-recovery/restore) (<https://cloud.google.com/sql/docs/sqlserver/backup-recovery/restore>).

Restoring an instance from a backup

You can use a backup to restore the same instance the backup was taken from, or you can use a backup to restore a different instance in the same project.

Restoring to the same instance

When you restore from a backup to the same instance, you return the data on that instance to its state when you took the backup. For information about restoring an instance, see [General tips about performing a restore](https://cloud.google.com/sql/docs/sqlserver/backup-recovery/restore#tips-restore) (<https://cloud.google.com/sql/docs/sqlserver/backup-recovery/restore#tips-restore>).

Warning: The restore process overwrites all the current data on the instance.



CONSOLE

G CLOUD

CURL



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

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


2. If the target instance has any read replicas, use the more actions menu  at the far right side to delete them.
3. Click the instance you want to restore to open its **Instance details** page.
4. Click the **Backups** tab.
5. Find the backup you want to use and select **Restore** from its more actions menu .
6. In the **Restore instance from backup** dialog box, click **OK** to start the restore process.

The default target instance is the same instance from which the backup was created.

Restore instance from backup

| | |
|---|--|
| Backup time | Dec 19, 2017, 9:29:05 AM UTC-8 |
| Target Instance  | myinstance  |

Instance myinstance data will be overwritten with instance myinstance backup from December 19, 2017 at 9:29:05 AM UTC-8.

 Restoring an instance from a backup will overwrite the data currently in the instance. Are you sure you want to restore your instance from this backup?

[CLOSE](#) [OK](#)

7. You can check the status of the restore operation by going to the **Operations** page of the instance.
8. After the restore operation completes, recreate any replicas you deleted in the first step. You cannot reuse instance names for up to a week after an instance is deleted.

Restoring to a different instance

When you restore from a backup to a different instance, you update the data on the target instance to the state of the source instance when you took the backup. For more information, see [General tips about performing a restore](https://cloud.google.com/sql/docs/sqlserver/backup-recovery/restore#tips-restore)

(<https://cloud.google.com/sql/docs/sqlserver/backup-recovery/restore#tips-restore>) and [Tips and requirements for restoring to a different instance](https://cloud.google.com/sql/docs/sqlserver/backup-recovery/restore#tips-restore-different-instance)



(<https://cloud.google.com/sql/docs/sqlserver/backup-recovery/restore#tips-restore-different-instance>).

Warning: The restore process overwrites all the current data on the target instance.



[CONSOLE](#)[GCLOUD](#)[CURL](#)

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](https://console.cloud.google.com/sql/instances))

2. If the target instance has any read replicas, use the more actions menu  on the far right side to delete them.
3. Click the source instance to open its **Instance details** page and select the **Backups** tab.
4. Find the backup you want to restore from and select **Restore** from the more actions menu .
5. In the **Restore instance from backup** dialog, select the **Target instance** and click **OK**.

Restore instance from backup

| | |
|--|--|
| Backup time | Dec 19, 2017, 9:29:05 AM UTC-8 |
| Target Instance  | myinstance-target  |

Instance myinstance-target data will be overwritten with instance myinstance-source backup from December 19, 2017 at 9:29:05 AM UTC-8.

 Restoring an instance from a backup will overwrite the data currently in the instance. Are you sure you want to restore your instance from this backup?

[CLOSE](#) [OK](#)

6. You can check the status of the restore operation by going to the **Operations** tab of the target instance.
7. After the restore operation completes, recreate any replicas you deleted previously. You cannot reuse instance names for up to a week after an instance is deleted.

Restoring to an instance in another project

You can use the `project` parameter to restore data to an instance in a different project than the one where the backup was taken. When using the `project` parameter, call `restoreBackup` in the project and on the instance you want to restore data to. When you restore from a backup to a different instance, you update the data on the target instance to the state of the source instance when you took the backup.

Warning: The restore process overwrites all the current data on the target instance.

To restore data to an instance in a different project:

```
gcloud auth login
ACCESS_TOKEN="$(gcloud auth print-access-token)"
curl --header "Authorization: Bearer ${ACCESS_TOKEN}" \
      --header 'Content-Type: application/json' \
      --data '{
        "restoreBackupContext":
        {
          "backupRunId": "[BACKUP_ID]",
          "project": "[SOURCE-PROJECT-ID]",
          "instanceId": "[SOURCE_INSTANCE_NAME]"
        }
      }' \
      -X POST https://www.googleapis.com/sql/v1beta4/projects/[TARGET_PROJECT-
```

To obtain the `backupRunId`, run the following `gcloud` command:

```
gcloud sql backups list --instance=[INSTANCE-NAME]
```

For more information about the `project` property, see [restoreBackup](https://cloud.google.com/sql/docs/sqlserver/admin-api/v1beta4/instances/restoreBackup) (<https://cloud.google.com/sql/docs/sqlserver/admin-api/v1beta4/instances/restoreBackup>).

What's next

- [Learn more about restoring](https://cloud.google.com/sql/docs/sqlserver/backup-recovery/restore) (<https://cloud.google.com/sql/docs/sqlserver/backup-recovery/restore>).
- [Learn more about backing up your data](https://cloud.google.com/sql/docs/sqlserver/backup-recovery/backups) (<https://cloud.google.com/sql/docs/sqlserver/backup-recovery/backups>).

- [See how to backup your data](#)
(<https://cloud.google.com/sql/docs/sqlserver/backup-recovery/backing-up>).

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