

[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](#)

Overview of restoring an instance

[MySQL](https://cloud.google.com/sql/docs/mysql/backup-recovery/restore) (<https://cloud.google.com/sql/docs/mysql/backup-recovery/restore>) | [PostgreSQL](https://cloud.google.com/sql/docs/postgres/backup-recovery/restore) (<https://cloud.google.com/sql/docs/postgres/backup-recovery/restore>) | **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 provides information you should know before restoring an instance from a backup.

For step-by-step instructions for performing a restore, see [Restoring an instance](https://cloud.google.com/sql/docs/sqlserver/backup-recovery/restoring) (<https://cloud.google.com/sql/docs/sqlserver/backup-recovery/restoring>).

General tips about performing a restore

When you restore an instance from a backup, whether to the same instance or to a different instance, keep in mind the following items:

- The restore operation overwrites all data on the target instance.
- The target instance is unavailable for connections during the restore operation; existing connections are lost.
- If you are restoring to an instance with read replicas, you must delete all replicas and recreate them after the restore operation completes.

Tips and requirements for restoring to a different instance

When you are restoring a backup to a different instance, keep in mind the following restrictions and best practices:

- The target instance should have the same database version and edition as the instance from which the backup was taken.
- The storage capacity of the target instance must be at least as large as the *capacity* of the instance being backed up. The amount of storage being used does not matter.
- The target instance must be in the **RUNNABLE** state.
- The target instance can have a different number of cores or amount of memory than the instance from which the backup was taken.

What's next

- [Perform a restore from a backup](#)
(<https://cloud.google.com/sql/docs/sqlserver/backup-recovery/restoring#restorebackups>).

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 our [Site Policies](https://developers.google.com/terms/site-policies) (<https://developers.google.com/terms/site-policies>). Java is a registered trademark of Oracle and/or its affiliates.

Last updated October 21, 2019.