MySQL (/sql/docs/mysql/configure-ha) | **PostgreSQL** | SQL Server (/sql/docs/sqlserver/configure-ha)

This page describes how to configure a PostgreSQL instance for high availability.

You can configure an instance for high availability when you create the instance, or you can enable high availability on an existing instance.

For more information about the high availability configuration, see Overview of the High Availability Configuration (/sql/docs/postgres/high-availability).

When you create an instance, and you configure it for high availability, Cloud SQL creates the instance as a regional instance.

To create an instance configured for high availability:

For more details about creating an instance, see Creating Instances (/sql/docs/postgres/create-instance).

Configuring an existing instance for high availability causes a few minutes of downtime while the instance is reconfigured.

To configure an existing instance for high availability:

Testing failover is optional, but is recommended so that you can see how your application responds in the event of a failover.

This feature helps you test your application's response to an automatic failover. Make sure your instance has comple evious failover (so it is responding to connection requests) before you trigger another failover.

To learn more about failovers, see the Failover overview (/sql/docs/postgres/high-availability#failover-overview).

The instance fails over and is not available to serve data for a few minutes.

To verify an instance has high availability:

Before you perform this procedure, make sure there are no operations currently running on the instance.

To disable high availability:

- Learn more about how the high availability configuration works (/sql/docs/postgres/high-availability).
- Test how your application responds to lost connections by restarting your instance (/sql/docs/postgres/start-stop-restart-instance).
- Learn more about managing your database connections (/sql/faq#connections).
- Learn more about Stackdriver Monitoring (/monitoring/docs/).
- Create read replicas (/sql/docs/postgres/replication) for your instance.