

# Google Cloud SQL

Tags: Google Cloud, Django

## Introduction

In almost all real-world applications, your database is hosted at a different place than the backend code. Google Cloud provides a fully managed SQL database platform called Cloud SQL. This task is designed to acquaint you with using Cloud SQL as the database in a Django application, which comes with sqlite as the default.

## Objectives

User enters a password in an input field.

Backend hashes the password **using bcrypt** and stores it in the database.

## Instructions

You will need to install gcloud for this. (<https://cloud.google.com/sdk/docs/install> )

There are multiple ways of connecting to Cloud SQL from your application, see the links below and research on this on your own as well. This is part of the task.

<https://cloud.google.com/sql/docs/mysql/connect-connectors>

<https://cloud.google.com/sql/docs/mysql/connect-admin-ip>

<https://cloud.google.com/sql/docs/mysql/connect-admin-proxy>

The easier (though a little confusing at first) solution is the last one.

The actual database configurations in settings.py will be quite similar to the default.

You can use the Django's built-in templating system for the frontend.