



Safe Citadel

Installation guide

v1.0

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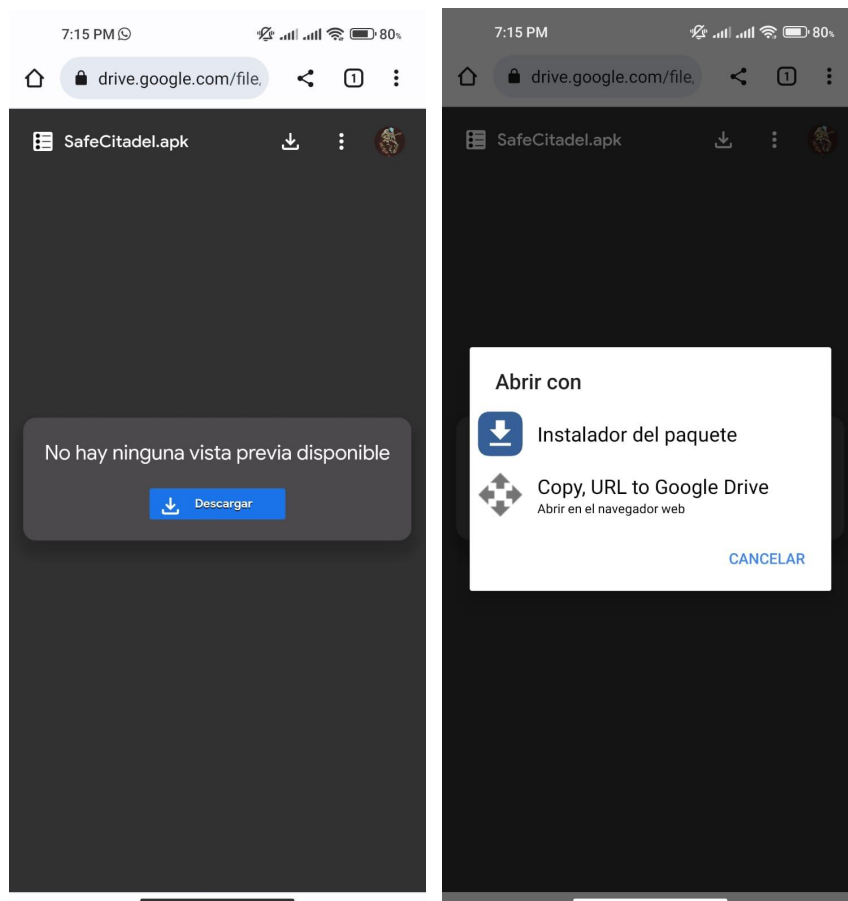
Mobile App Installation

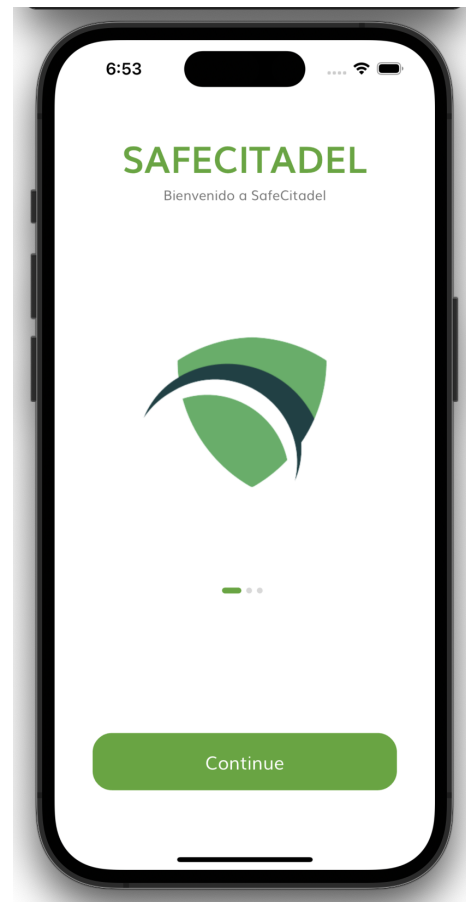
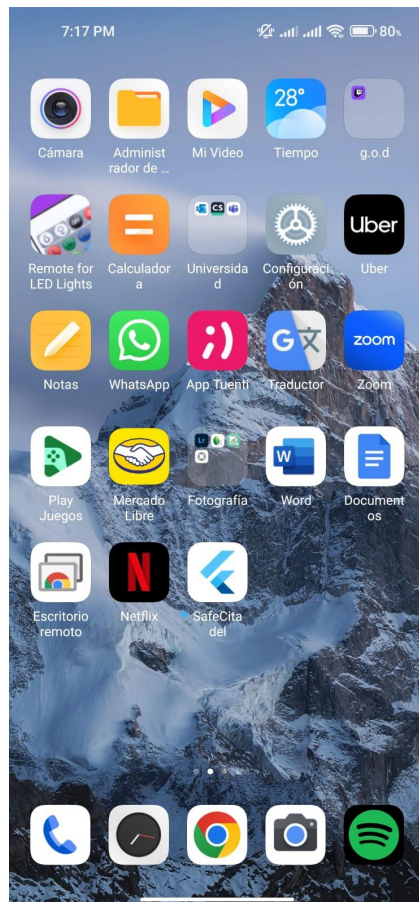
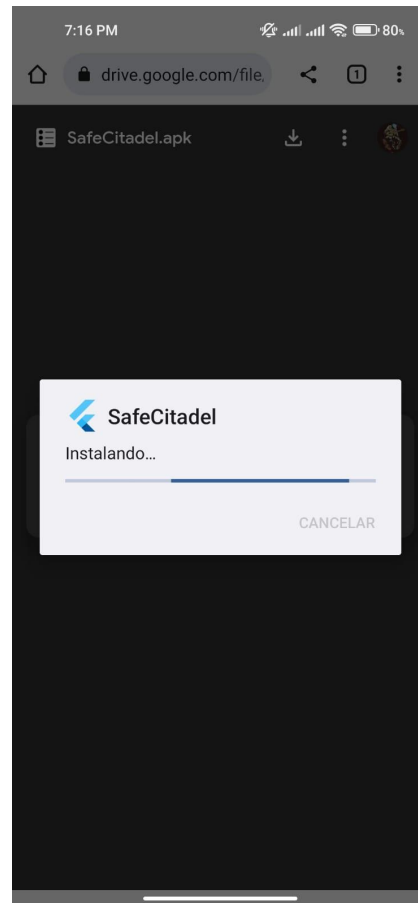
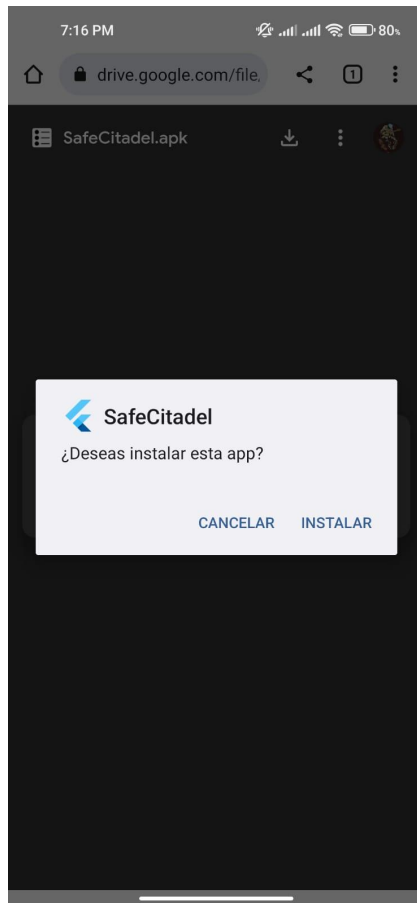
Android

.apk URL for android installation:

<https://drive.google.com/drive/folders/1pRCMEux4pmQ4fV4nIHKj62Gnljumch-g>

1. Go to the download URL and download the app installer.
2. Download the .apk of the app (provided by the development team)
3. Open the .apk (Package Installer)
4. Press "Install"
5. The app will appear on device startup





Build & release - Android apk

It is necessary to enter the root path of the mobile project and execute the command:

“flutter build apk”

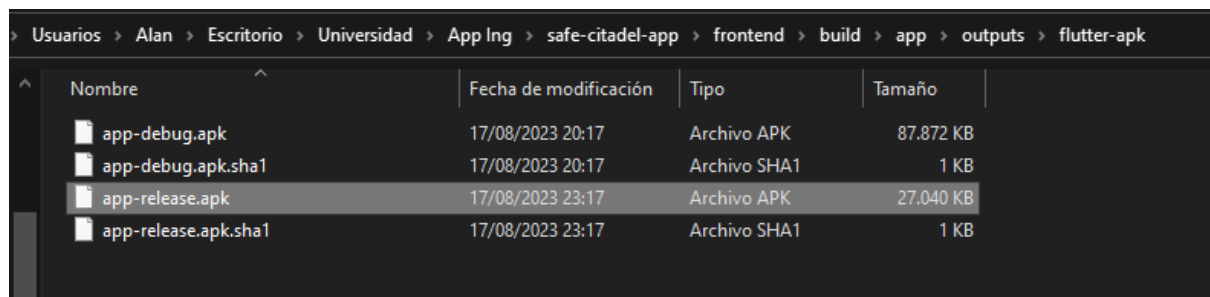
```
Alan@DESKTOP-H7ERBVA MINGW64 ~/Desktop/Universidad/App Ing/safe-citadel-app/frontend (main)
$ flutter build apk

Running Gradle task 'assembleRelease'...
```

The gradle task will be executed to package the application:

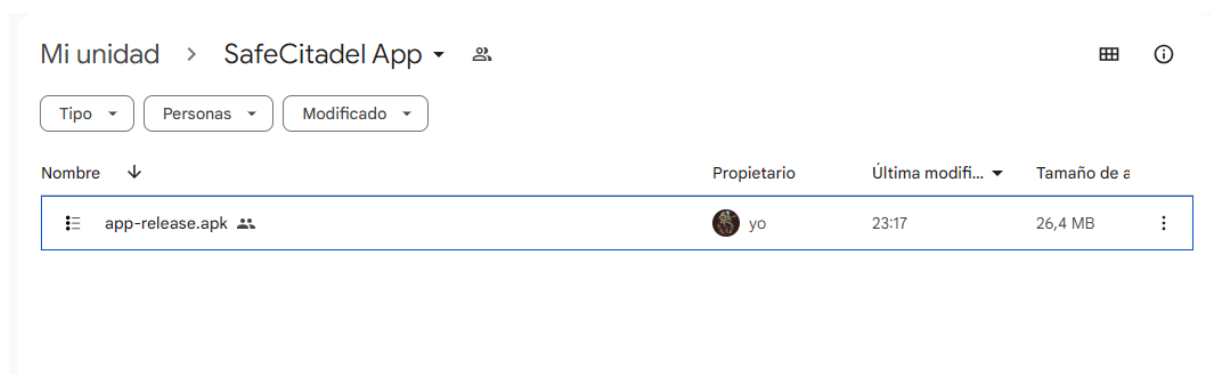
```
Running Gradle task 'assembleRelease'... 496,8s
✓ Built build\app\outputs\flutter-apk\app-release.apk (26.4MB).
```

Once the apk is generated, it can be distributed in the way that the client deems most convenient.



Nombre	Fecha de modificación	Tipo	Tamaño
app-debug.apk	17/08/2023 20:17	Archivo APK	87.872 KB
app-debug.apk.sha1	17/08/2023 20:17	Archivo SHA1	1 KB
app-release.apk	17/08/2023 23:17	Archivo APK	27.040 KB
app-release.apk.sha1	17/08/2023 23:17	Archivo SHA1	1 KB

In this case the distribution for the application of SafeCitadel It will be done through a shared folder for the administrators, guards and residents of the citadel.



Mi unidad > SafeCitadel App

Tipo Personas Modificado

Nombre	Propietario	Última modifi...	Tamaño de a
app-release.apk	yo	23:17	26,4 MB

Backend Deployment

In order to achieve a seamless and efficient back-end deployment, a set of key steps have been established that ensure proper implementation of changes within the system. The following steps describe the process sequentially:

Creating a project on Heroku:


After environment setup, a new project is created on Heroku. This provides a dedicated space to host the application and its components, which streamlines management and subsequent deployment.

Create New App

App name

app-name

Choose a region

 United States

Add to pipeline...

Create app

Cancel

Implementing CI/CD (Continuous Integration/Continuous Deployment):

A CI/CD workflow is established to automate the deployment process. This involves setting up a pipeline that allows for continuous testing, building, and deployment, ensuring changes are reliably and securely integrated into the application.

App name



testsafe is available

Choose a region



United States



Add this app to a pipeline

Pipelines form a continuous deployment workflow and enable additional features. [Learn more](#).

+ Create new pipeline



Name the pipeline Required



Choose a stage to add this app to



This app will be added to **staging** in testsafe

Create app

Cancel

Connection to a GitHub repository or direct upload to Heroku:

Code changes can be managed through a GitHub repository. Alternatively, changes can be uploaded directly to Heroku. This flexibility allows for more efficient and controlled use. code modification management.

OverviewResourcesDeployMetricsActivityAccessSettings

Connected to a pipeline

Assigned to **staging** in testsafe

Manage this pipeline and this app's stage on the [pipeline overview](#)

Review apps are available on the [pipeline overview](#)

Deployment method

Heroku Git
Use Heroku CLI

GitHub
Connect to GitHub

Container Registry
Use Heroku CLI

Connect to GitHub

Connect this app to GitHub to enable code diffs and deploys.

Search for a repository to connect to

josephinoo

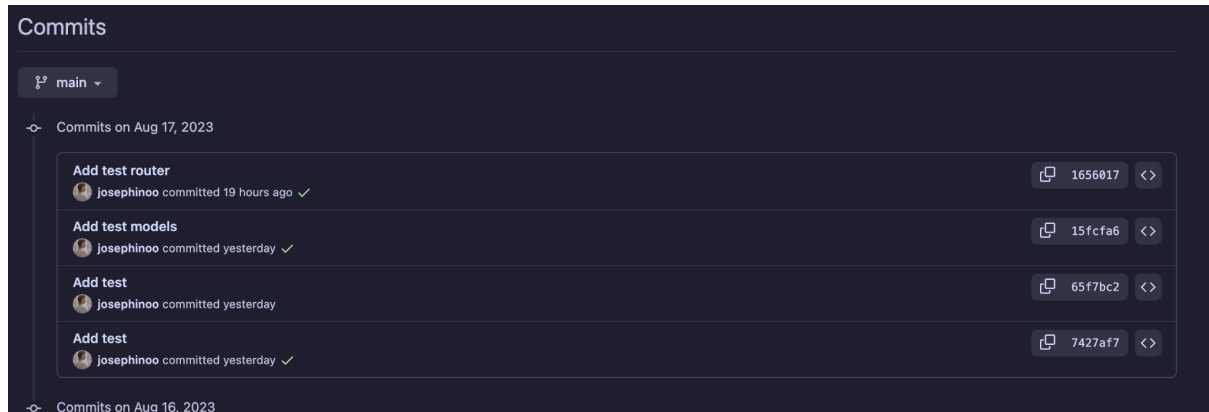
repo-name

Search

Missing a GitHub organization? [Ensure Heroku Dashboard has team access](#).

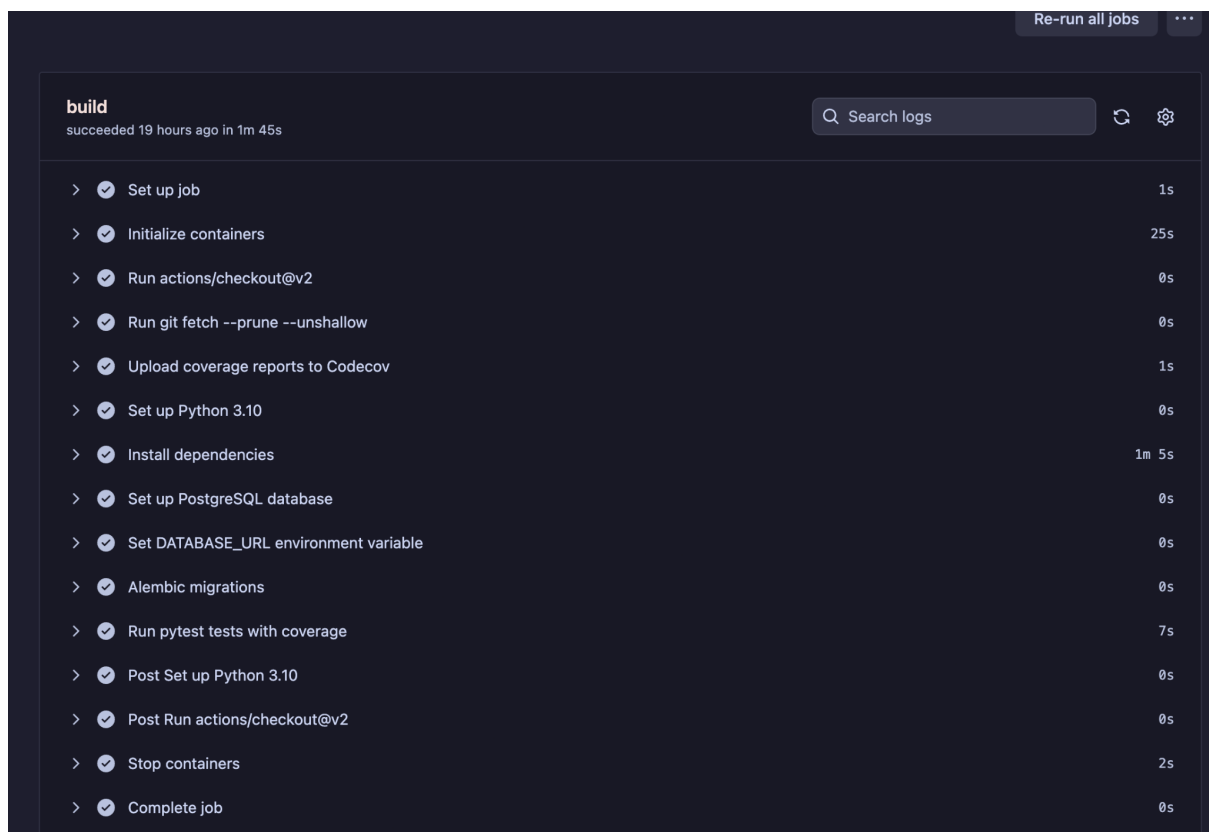
Commit to the main (master) branch:

Once a code change or enhancement is deployed, commits are made to the master branch of the repository. Each commit must be accompanied by descriptive comments clarifying the nature of the change.




Running tests via GitHub actions:

Before moving forward in the process, GitHub Actions are activated to run automated tests. These tests evaluate the functionality and integrity of the code, ensuring that it meets established quality standards.



Automatic deployment in test environment:


If the tests are successful, the CI/CD flow continues with an automated deployment to a test environment. Here, the development and quality teams can evaluate and validate the changes before moving them to the production environment.

 You can now change your main deploy branch from "master" to "main" for both manual and automatic deploys, please follow the instructions [here](#).

Enable automatic deploys from GitHub

Every push to the branch you specify here will deploy a new version of this app. **Deploys happen automatically:** be sure that this branch is always in a deployable state and any tests have passed before you push. [Learn more](#).

Choose a branch to deploy

 main



☒ Wait for CI to pass before deploy

Only enable this option if you have a Continuous Integration service configured on your repo.

Enable Automatic Deploys

Deployment to the production environment as needed:

Finally, once the changes are approved in the test environment, the deployment to the production environment takes place. This step is executed in a controlled and planned manner, ensuring a seamless and seamless transition for end users.

 Personal >  testsafe ☆ ⓘ

Pipeline Tests Access Settings


Visit the new pipeline access tab to set up permissions for Review Apps and CI Apps. [Learn more](#) Dismiss Configure permissions


REVIEW APPS


Before enabling review apps, the pipeline must first be connected to GitHub.

Connect to GitHub...

→ STAGING + Add app

 testsafe

 josephinoo/T4-safe-citadel-backend

Open app 

↕

→ PRODUCTION + Add app

Production apps run your customer facing code. We recommend promoting your code from a staging app that has been tested.

Add app