Wayat & Takeoff

A showcase for Google Cloud Native Development

User story

"…..As a user

 I want to be able to create automatically a fully working environment in Google Cloud where I can build and deploy a visually attractive Digital application written in Flutter and Python on Google's fully managed platform…

…so that…

I can use this app and cloud environment to showcase modern Digital application development (including mobile), to train teams, to quick-start building PoC's, to build new applications or to use as a basis for more elaborate environments…"

Takeoff: a composite product

& an example of Coaction

devonfw Hangar

devonfw ADCenter Services

Cloud CoE BU ES

Infrastructure-As-code

python™
devon4py

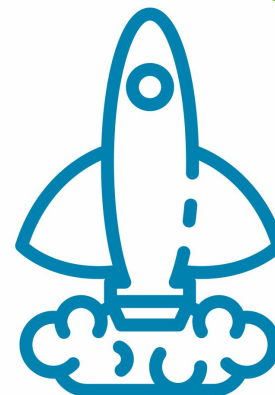Campus Model for industrialized Team creation and onboarding

Flutter

Google Cloud

Takeoff
a composite product

What is the **ADC Campus**?

It is a process/methodology for training and onboarding teams

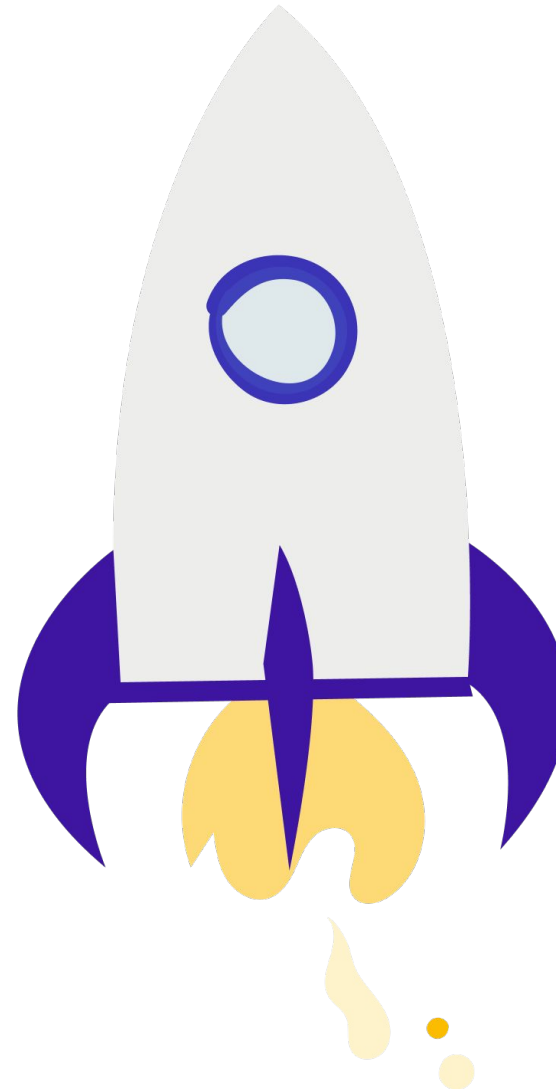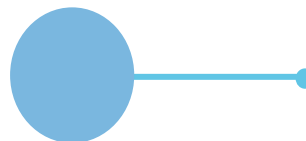It's a simulation of a real, but simplified, project

The team interacts with a "client" (simulated) and does a full design Sprint (or evaluates the result of a pre-made Design)

The team builds the app using the technology at hand, having adequate training beforehand.

The team uses an Agile development process like Scrum and development (process & environment) should be focused on Continuous Delivery

WAYAT

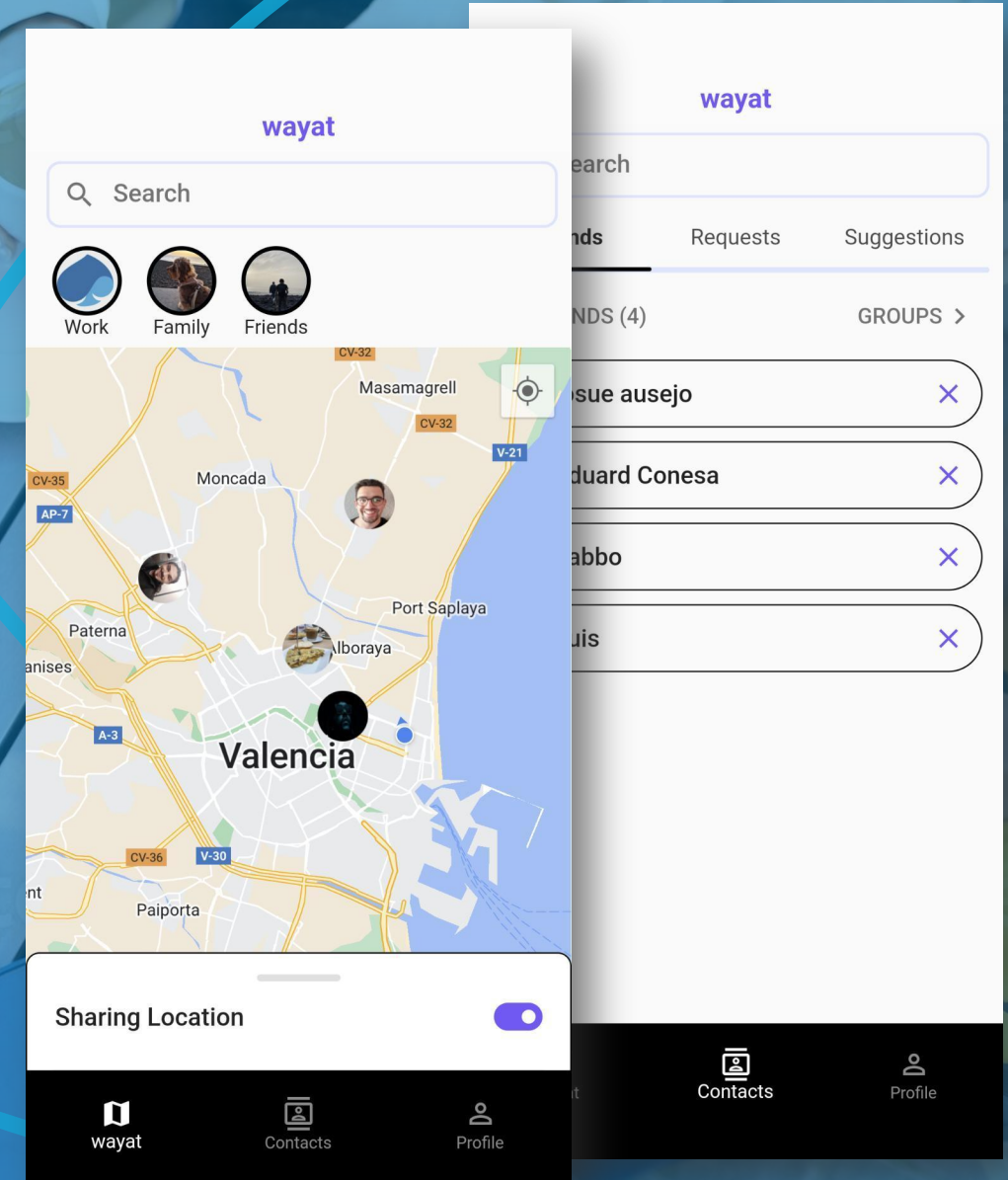## "…Who is at the office or in the vicinity to get a coffee?.."

Wayat allows sharing your location in real time with your friends, family and coworkers

It is made with Flutter, which provides:
- Multiplatform applications (mobile, web, Desktop)
- Very short time to market
- Great integration with Google Cloud

Repo at GitHub: http://shorturl.at/ABGK3

A stable production version will be available next week in the repo! You can use if for free (until further notice)

devonfw Hangar
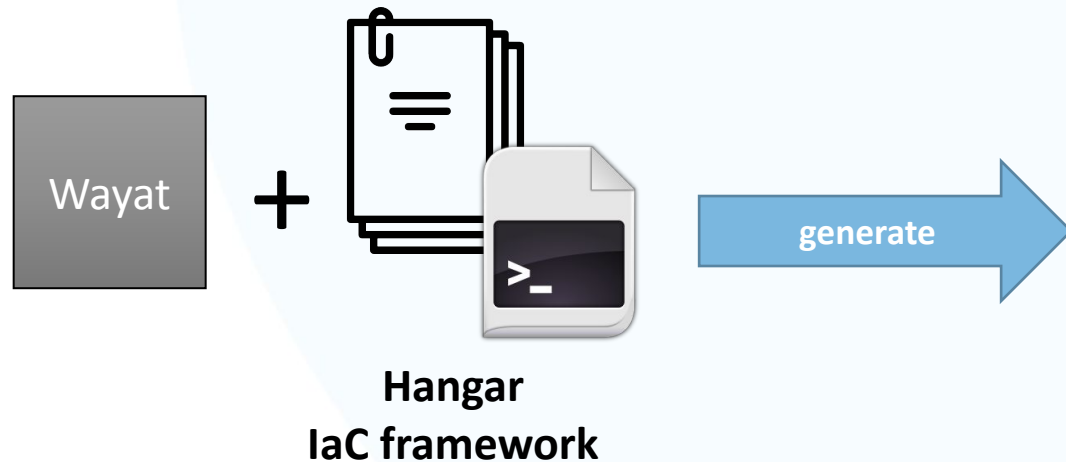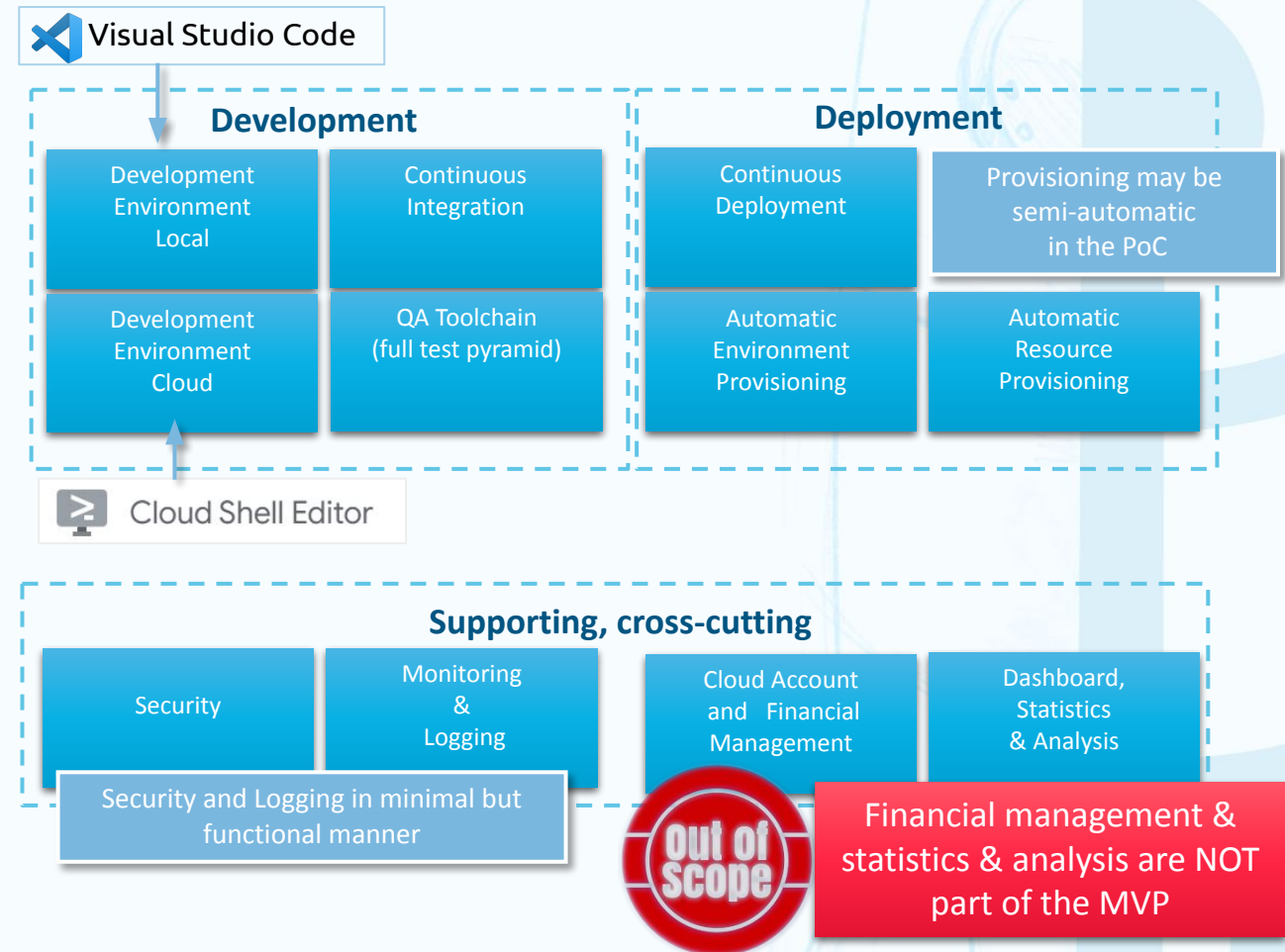## a "Cloud based Dev & Run Environment" as Code

Wayat

+

**Hangar
IaC framework**

generate →

Cloud based Dev & Run environment to develop, deploy, run and manage software applications in the Cloud with everything which is needed for the development, continuous integration and deployment, provisioning, orchestration and monitoring of the application and dependent resources

Visual Studio Code

Development
Development Environment Local	Continuous Integration
Development Environment Cloud	QA Toolchain (full test pyramid)

Deployment
Continuous Deployment	Provisioning may be semi-automatic in the PoC
Automatic Environment Provisioning	Automatic Resource Provisioning

Cloud Shell Editor

Supporting, cross-cutting
Security	Monitoring & Logging	Cloud Account and Financial Management	Dashboard, Statistics & Analysis

Security and Logging in minimal but functional manner

Out of Scope

Financial management & statistics & analysis are NOT part of the MVP

Takeoff demonstrates

1 The power of using Google Cloud for Cloud Native Development,

2 how to build a modern, attractive multi-platform Digital application using state of the art development,

3 how to create Cloud environments ("landing zones") complete automatic through Infrastructure as Code and finally

4 how to build teams in an industrialized way

Takeoff next steps

1 We can give Cloud CoE demo's NOW both internally as well as clients (Wayat MVP is finished and the Google Cloud env is complete)

2 Hangar v1.1 with automatic creation of Google Cloud dev&run env with a copy of Wayat configured in the pipeline: first week of November

3 Which means we can do demo's with this version (inc the creation of the env which makes for a very powerful demo(!)) from end of november onwards

4 Azure and AWS versions ready in December, depending on availability of resources (version 1.0 of Hangar already working with Azure and AWS (!))

Capgemini♠