

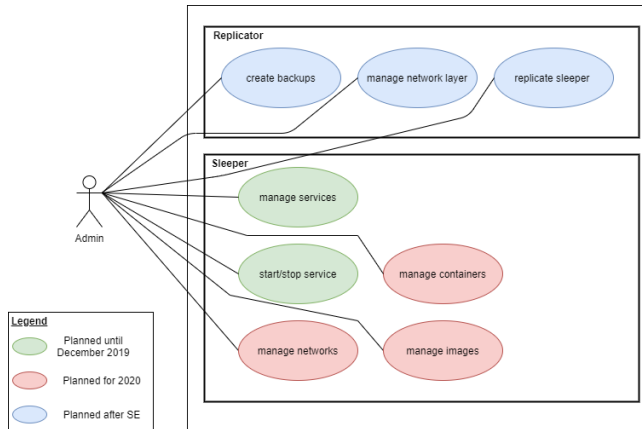
Hannes, Maxim, Tim, Jens & Samuel

2. Juli 2020

- Easy to use hosting service
- Super flexible deployments, enabled through Docker
- Deployments are very cost efficient

Use cases

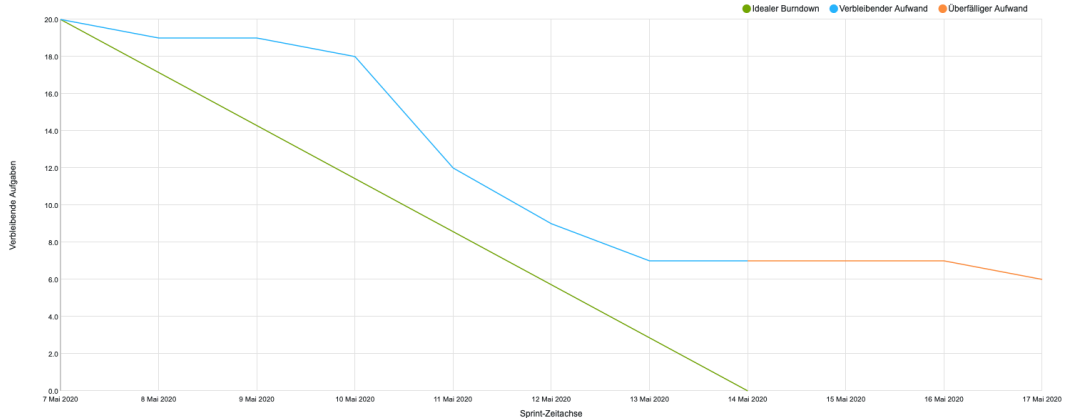
Overall use case diagram



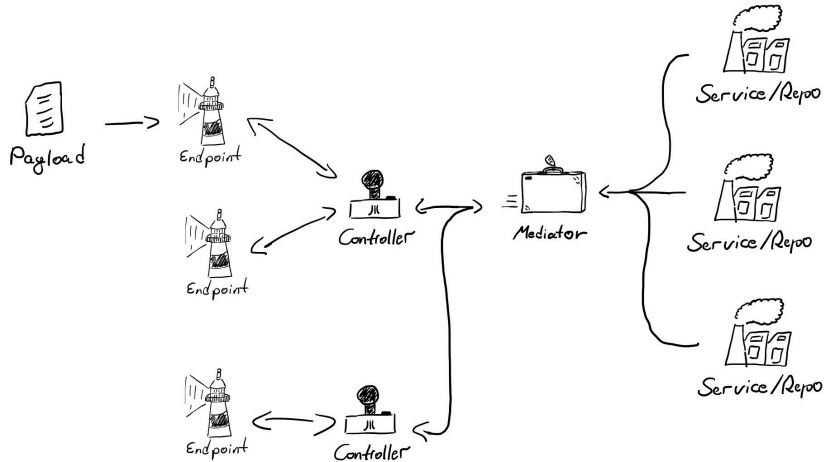
- Quickly adapt the product to requirement changes
- Involve feedback of everybody on the team
- Always focus on a functional product, whilst balancing function & form

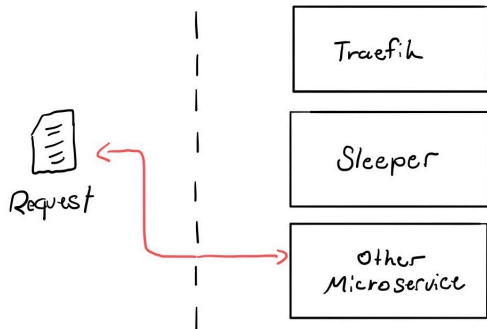
AGILE

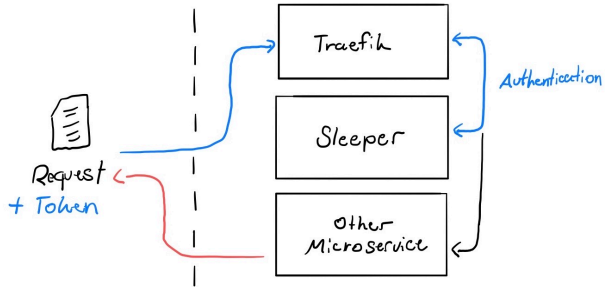
Scrum process, weekly sprints.



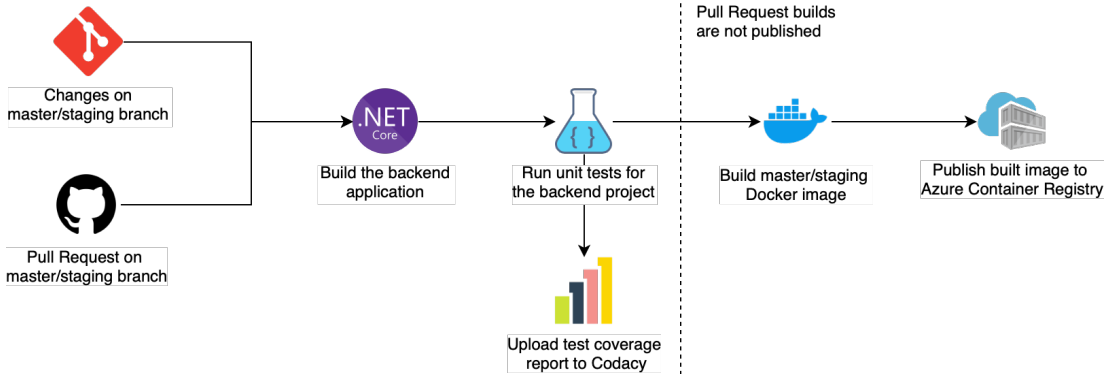
- MVC architecture provided through ASP.Net Core
- Service layer and dependency injection
 - ▶ Improved testing of first party components and external dependencies
- Extended modularity due to using mediator Pattern (MediatR)
 - ▶ Slims down Requests into easily maintainable pieces of code
 - ▶ Validation alongside the Request instead of the data model
- Extensible due to the ability to smoothly integrate other micro-services
 - ▶ Allows for re-using instead of re-implementing functionality







Continuous Integration Backend

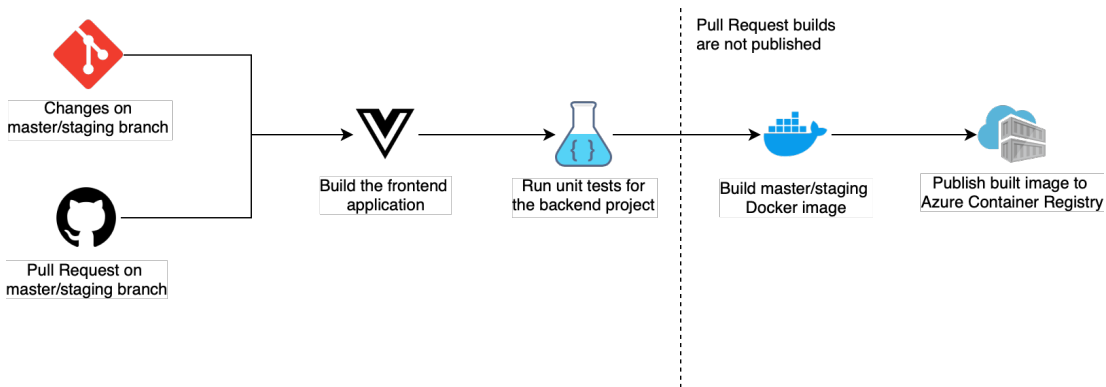


■ Single page application using Vue.JS

- ▶ Modern way of designing and implementing frontend
- ▶ Consumes REST endpoints from the backend and various other micro-services

Continuous Integration

Frontend



Risk Management

The important ones

Time

No enough time to implement all features

Complexity

Features are to complex to implement

Missing organization

Losing overview about the project

SMOOTH

We did not encounter any planed risks!

■ Backend

- ▶ Unit tests using NUnit
- ▶ Functional testing using Specflow

Unused do to the backend relying mostly on external services

- ▶ Integration Tests possible to improve test coverage

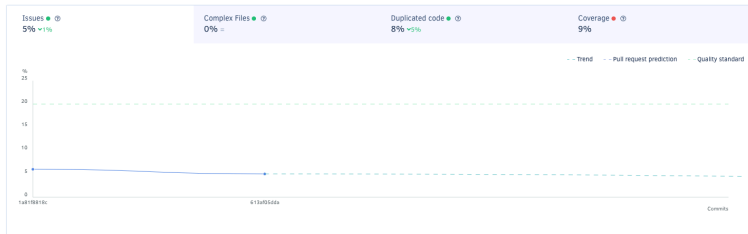
■ Frontend

"Not ready for end-user deployment, thus untested and low priority"

sleeper master ▾

[🔗 Badge](#)**A** Repository certification

Quality evolution

[Last 6 commits](#)

Issues breakdown

27 total issues

Category		Total
Security	<div></div>	2
Error Prone	<div></div>	6
Code Style	<div></div>	7
Compatibility	<div></div>	0
Unused Code	<div></div>	1
Performance	<div></div>	11

[See all issues](#)

Coverage

9% LoC covered[Quality settings: 60% coverage](#)**Files without coverage** ③ 50**Files not up to standards** ③ 94**Files up to standards** ③ 15[See all files](#)

DEMO

Let us show you what COZY has in store.