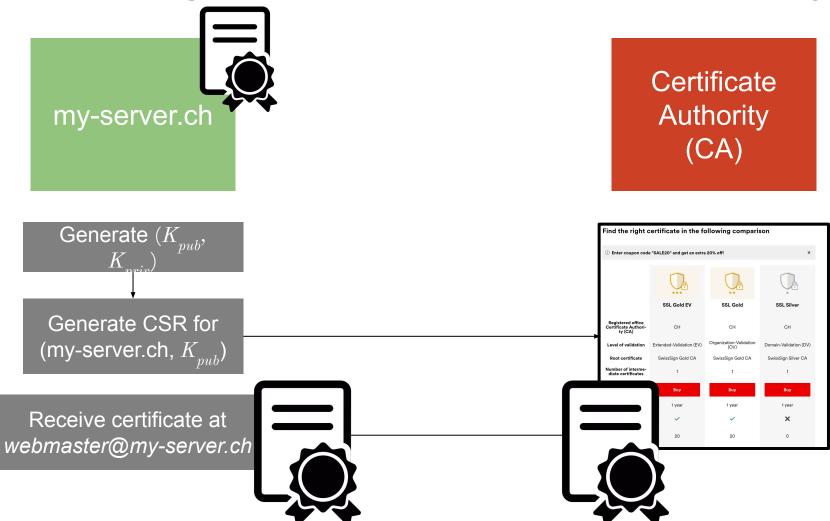


Marc Wyss

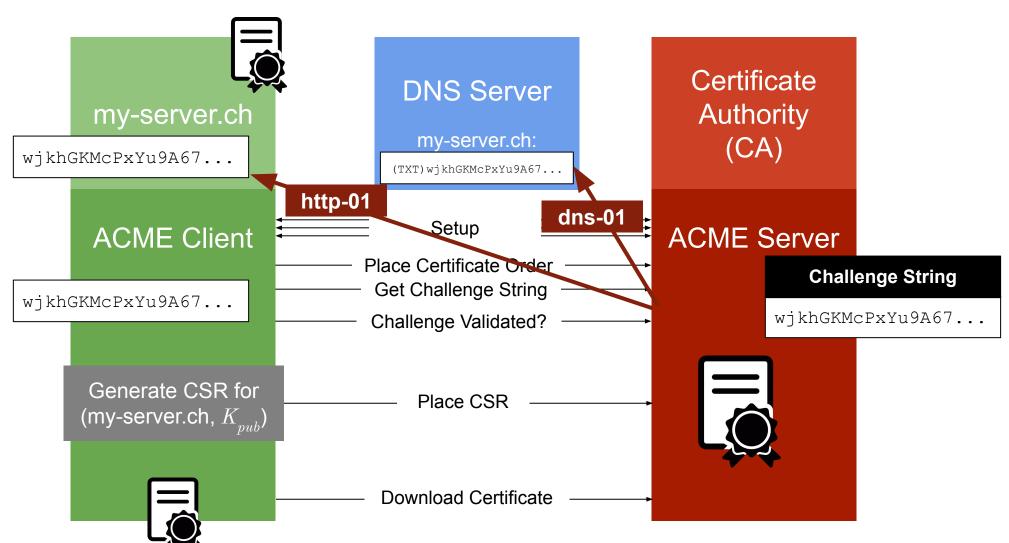
# Exercise Session 1 Introduction to the ACME Project Luca Tagliavini



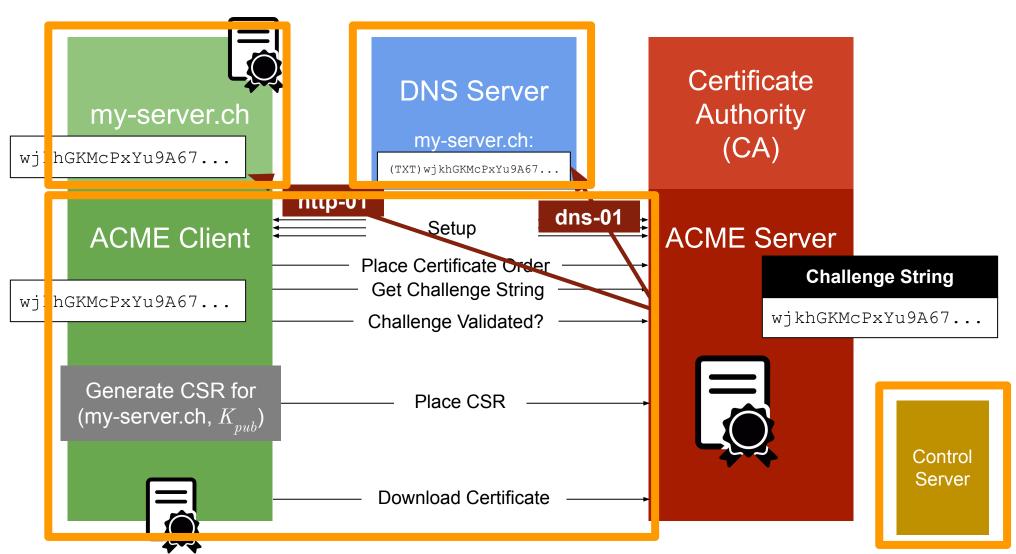
# Obtaining a Certificate - The Classic Way



# Obtaining a Certificate - ACME (sketch)



## What You Have to Implement in the Project

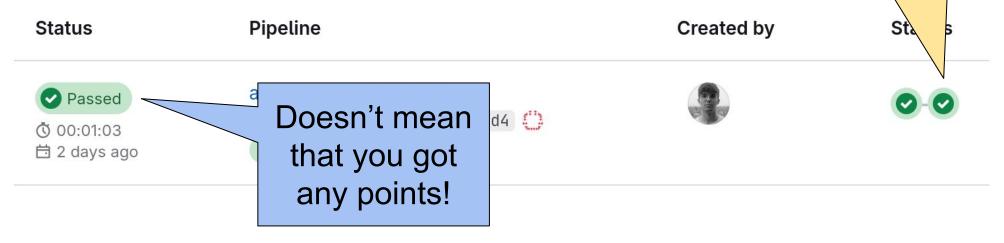


### Information about the Project

- Project description on gitlab.inf.ethz.ch at NetSec 2024 Student Resources / projects
- ACME is very well documented in RFC 8555.
   Reading and understanding a standard is a large part of this project.
- A barebones repository has been initialized for you on gitlab.inf.ethz.ch
  - You must copy the template for your preferred language from Student Resources / projects / acme templates
  - Be mindful of the library whitelist for each programming language

#### **Project grading**

 Whenever you push to your repository, your code will be automatically tested by You need to check the output



The jobs will fail until a template is applied.

### Project grading - continued

```
======1
  22/22
22/22
22/22
=======]
22/22
=======1
=======1
22/22
=======1
22/22
======1
======== 1 7/7
======= ] 183/183
```

Functionality tests
+
2
Correctness
Checks

=

Total of 183 points

### Information about the Project

- Don't use the Gitlab testing for debugging, as the computational resources are limited
- Better use **Pebble**, an ACME server implementation that you can run locally on your machine
- JOSE cryptography can be tricky, 
   so plan enough time to implement it.
- Last submission before
   8 November 2024, 23:59 determines grading.

You can find hints in the FAQ

#### **Questions?**

- If you have any questions during the project time, please read the ACME project FAQ first.
- If the FAQ do not contain your question, please use the Gitlab issues.