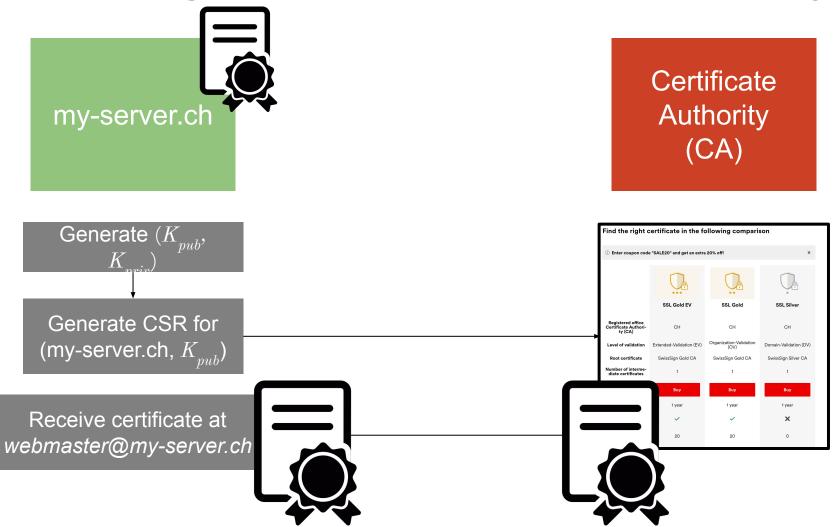


Exercise Session 1 Introduction to the ACME Project

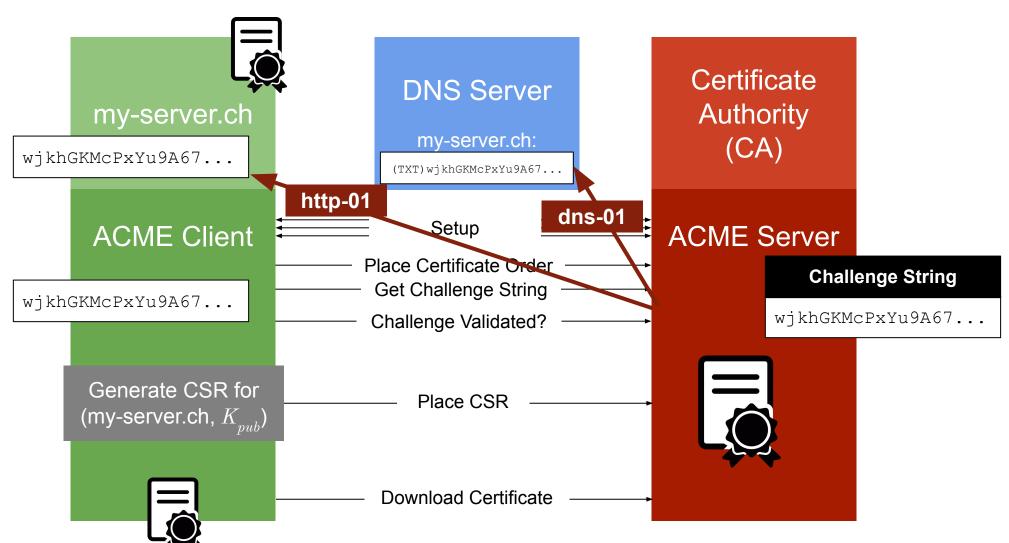
Joseph Thommes
Daniele Coppola



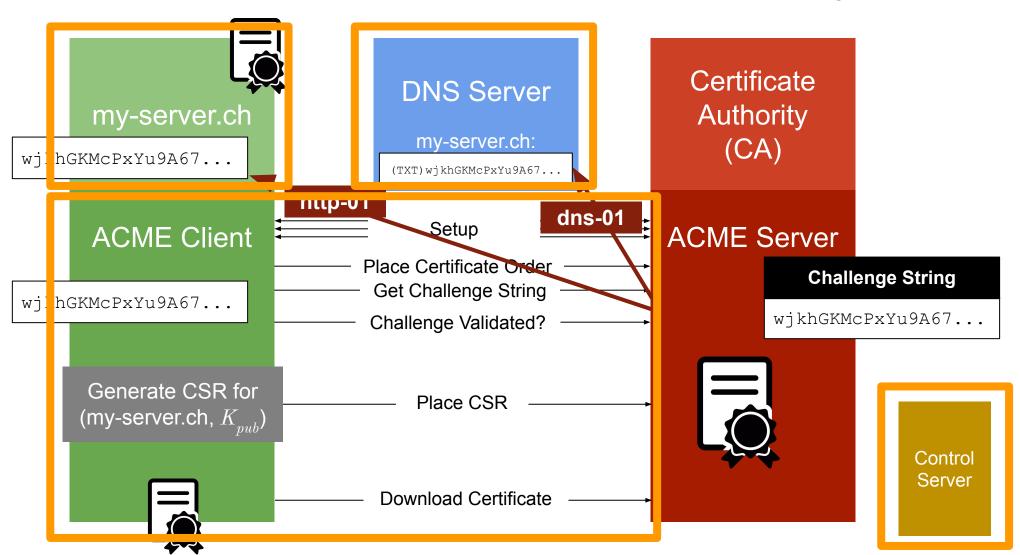
Obtaining a Certificate - The Classic Way



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 2022 Student Resources / projects
- ACME is very well documented in RFC 8555.
 Reading and understanding a standard is a large part of this project.
- A repository with a code skeleton has been initialized for you on gitlab.inf.ethz.ch
 - If you registered for the course recently, there may not be a repository for you yet

Information about the Project

 Whenever you push to your repository, your code will be automatically tested by CI



 passed only means that the tests ran through, not that your implementation passed the tests!

Actual score from output of job give_score:

```
Using docker image sha256:ff3825f97460a0cf247d56038b37475f11896ab8cc477358820fad49d237788b for registry.inf.ethz.ch/netsec-courses-2020/evaluator:latest with digest registry.inf.ethz.ch/netsec-courses-2020/evaluator:lates with digest registry.
```

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
 11 November 2022, 23:59
 determines grading.

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.