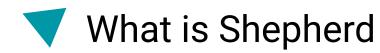
Shepherd

The next generation course management system & Cl for A+ LMS

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23 Aug 2019 Espoo, Finland





Course Management **System**



Continuous Integration

for Course Building



What is course building

RST file

HTML-like syntax, easy to write

(In Internal Gitlab)

Course Building

HTML

Webpage of this course, can be directly served in A+

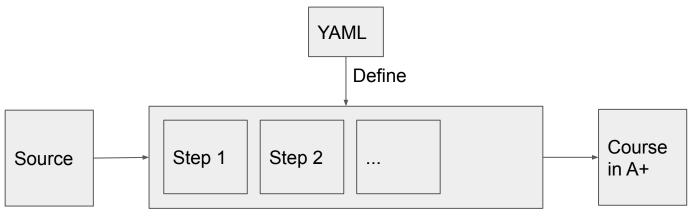
YAML

Define exercises.
Define the grader for programming exercises.

Doctree

Parsed source files, will not be used in deployment





Run build in containers

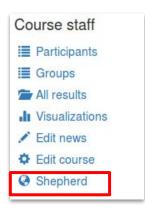


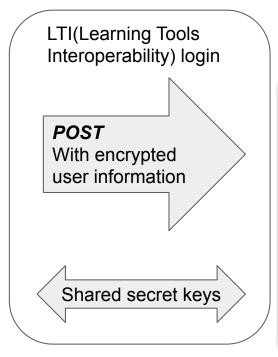


With Shepherd, you can...

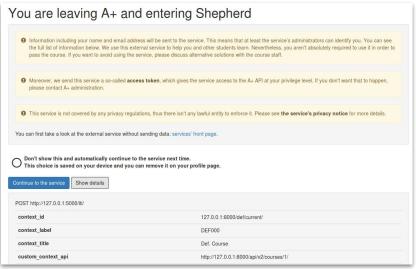
Forget about the annoying string called "password"



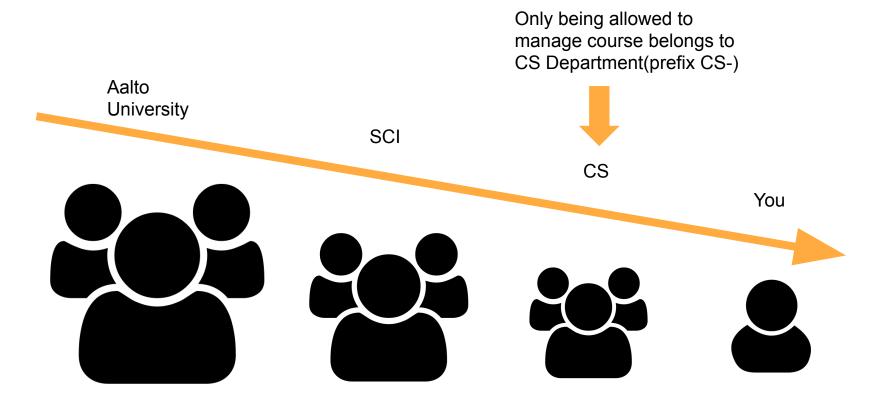




Shepherd

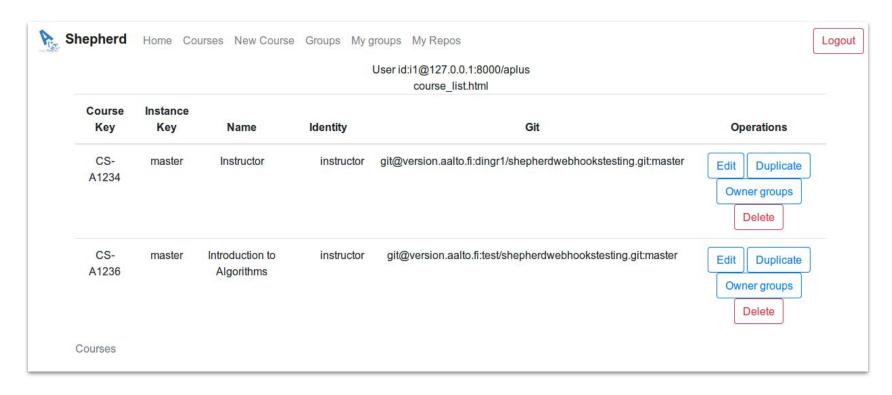


Everybody know it's position - Identity management



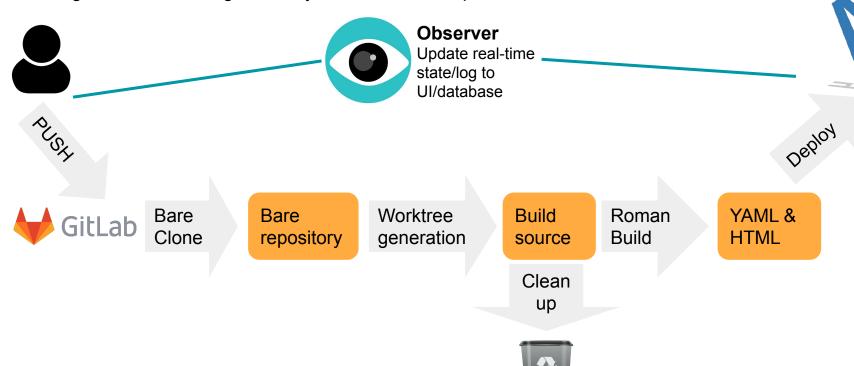
Define each group's privilege

Manage your course easily - Course management



All you need is "Push"

Leverage continuous integration in your course development

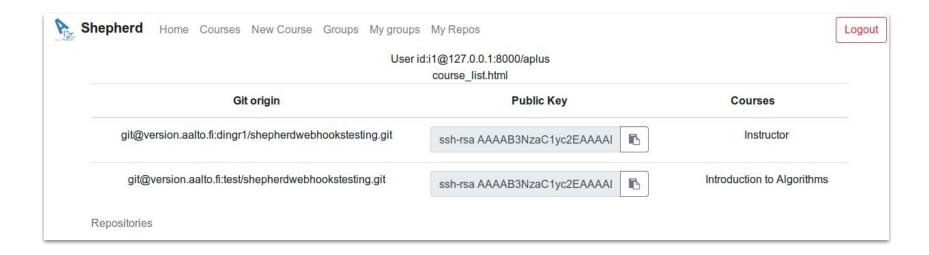




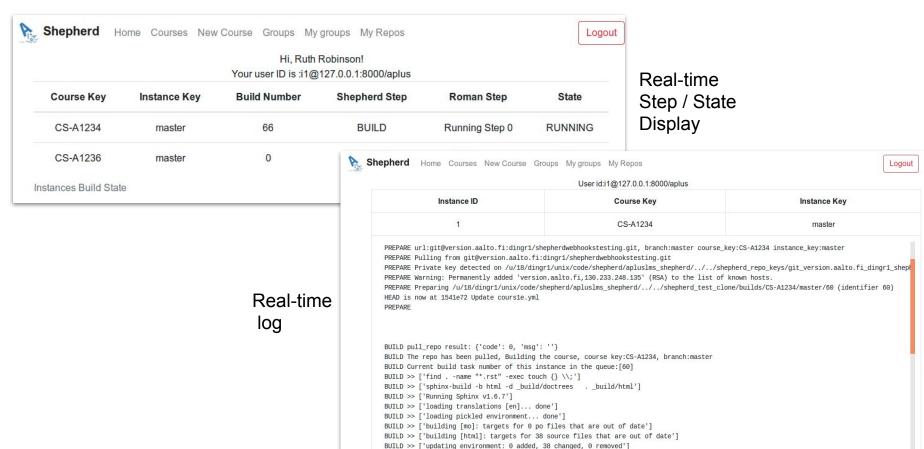
More Interesting Features ...

Easily secure your repository

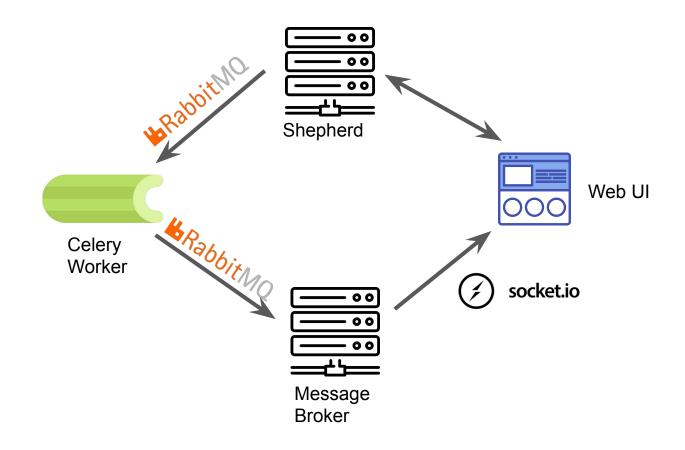
Automated the generation of RSA key pair. & Scheduled deploy key validation



Always know the situation



Distributed and Scalable



Containerization





AND

Please check <u>Test container for Shepherd</u> in Github

Or try it with (Read description in GitHub first)

docker pull dry1995/shepherd

s6 supervision suit

What's Next?

Maybe learn from me!

An enhanced interface?



Replacing course management part in A+?

Use your imagination!

Cloud native deployment with Kubernetes?





Demo Time

Thank you!