# Authentication github.com/jneidel/authentication-vortrag

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#### What is authentication?

credentials check

Answering: Who are you?





#### Abstract process

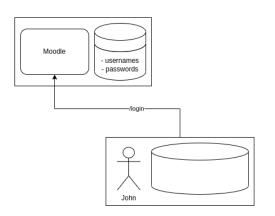
user fills form with username, password

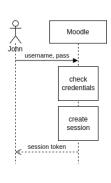
- 1. > 401 (Authentication failed)
- 2. ► 200 (OK)
  - response includes a session token
  - set as a cookie
  - subsequent http requests include the token





#### Session

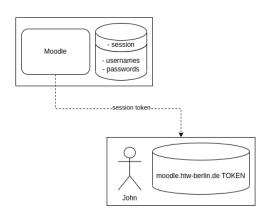


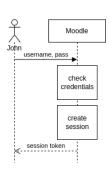






#### Session resolution

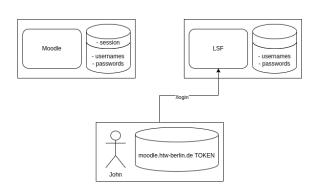


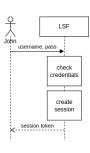






## Multiple sessions

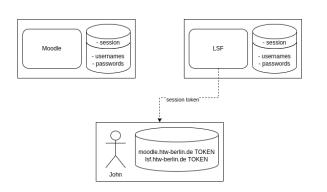


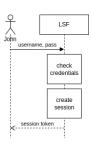






#### Multiple sessions resolution







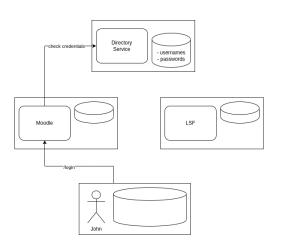


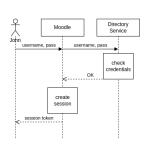
# Same-Origin-Policy

cookies are accessible on the domain that created them



### Directory service

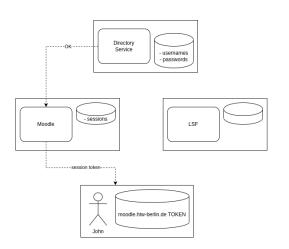


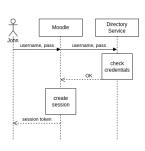






## Directory service resolution

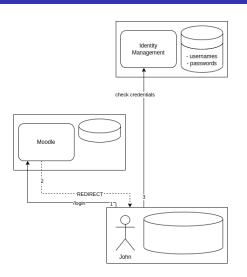


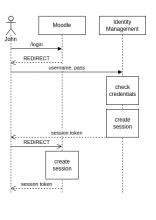






### Identity management

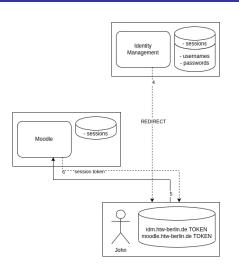


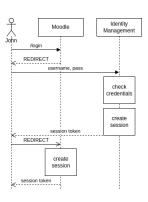






### Identity management resolution

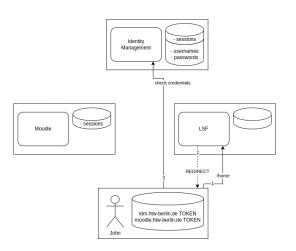


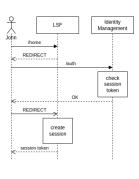






# Identity management (LSF)

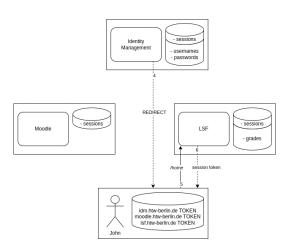


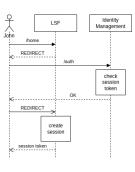






# Identity management (LSF) resolution









#### What is Authorization?

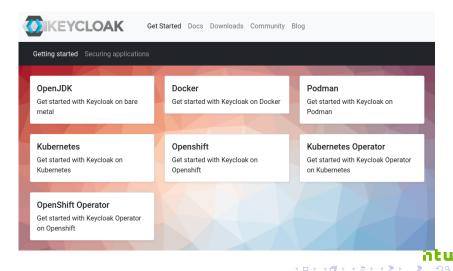
privilege check

Answering: Are you allowed to do this?





## Keycloak: https://www.keycloak.org



#### References

- What is SSO: https://auth0.com/blog/what-is-and-how-doessingle-sign-on-work
- What is IdM: https://en.wikipedia.org/wiki/Identity\_management
- ► Keycloak: https://www.keycloak.org
- JWT: https://jwt.io

