

Lesson 15 - Integration

Coupling frontend and APIs

- On-chain and off-chain features
- Keeping user Private Key private
- Authentication methods
- Using signatures as a form of authentication
- Mapping interactions, resources and payloads
- Handling errors

References

https://en.wikipedia.org/wiki/Loose_coupling

Auth methods for the Web3.0

- Consuming services from API
- Authentication and authorization
- Elliptic encryption
- Signing messages
- Message signature in body
- Verifying signatures

References

https://en.wikipedia.org/wiki/Authentication_protocol

<https://dev.to/lparvinsmith/signatures-as-authentication-in-web3-3kod>

File storage for the Web3.0

- Files on the server
- Scalable centralized solutions
- Databases vs File servers
- Decentralized file storage principles
- Introducing IPFS
- IPFS as a File Server

References

<https://ipfs.io/>

Homework

- Finish the integration
- Study about [IPFS](#)

- (Optional) Implement more features to integrate frontend and backend from previous classes