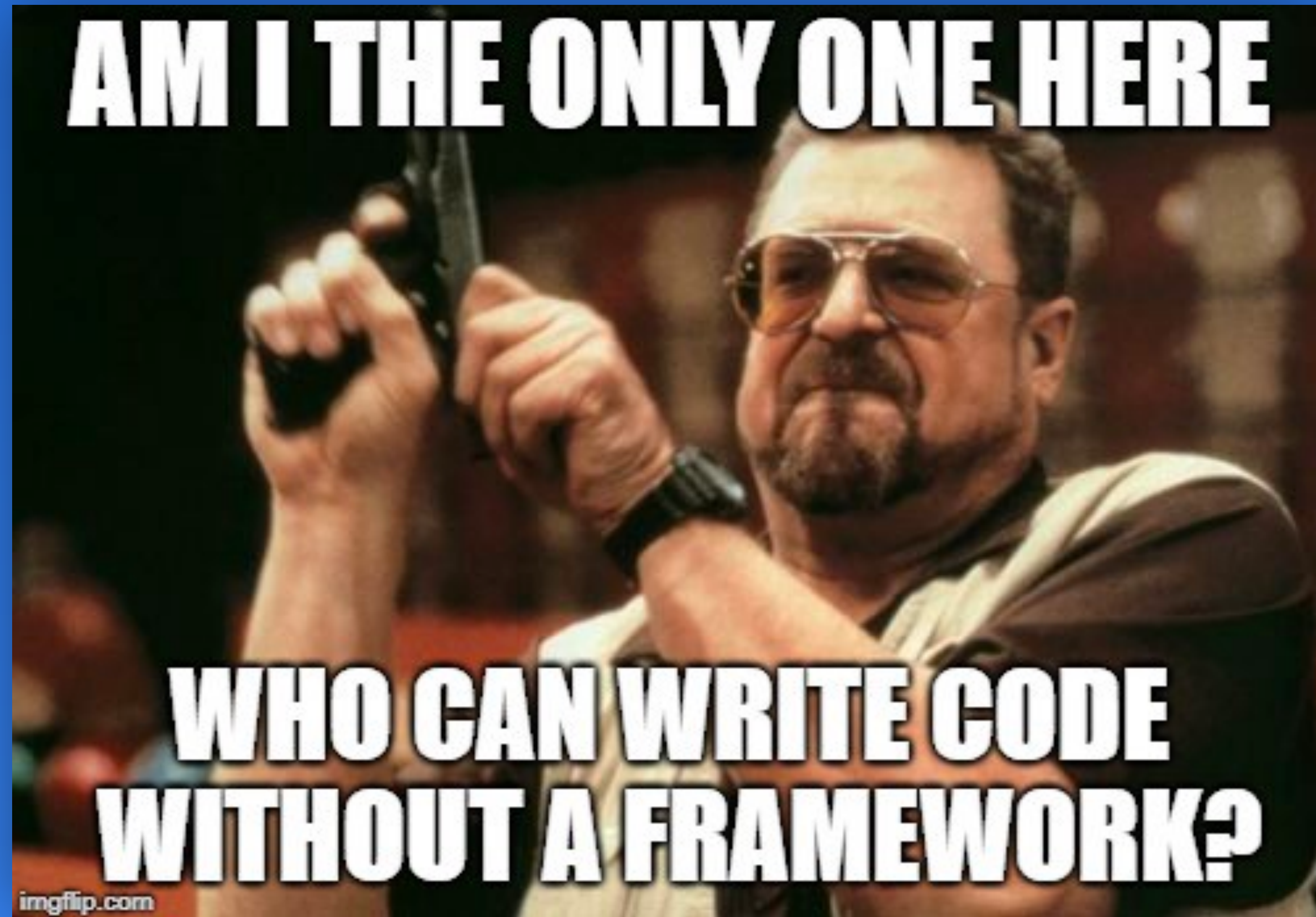
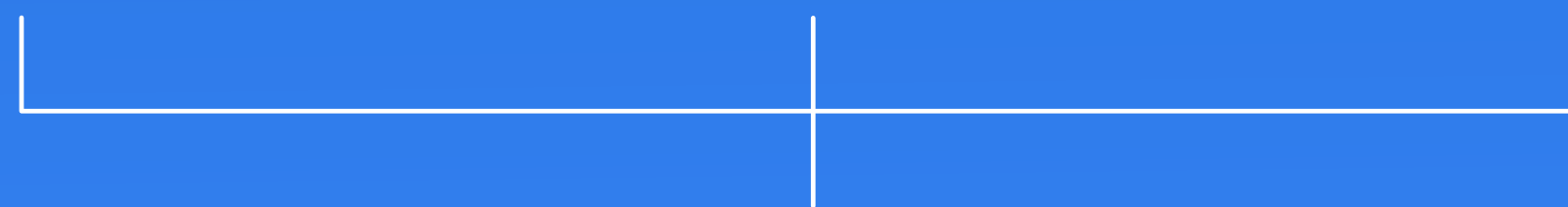
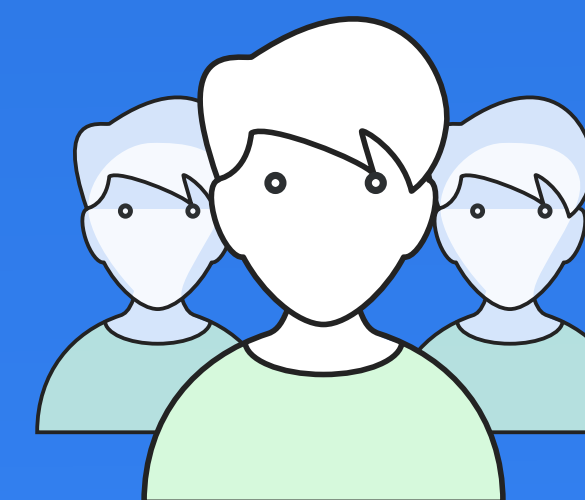
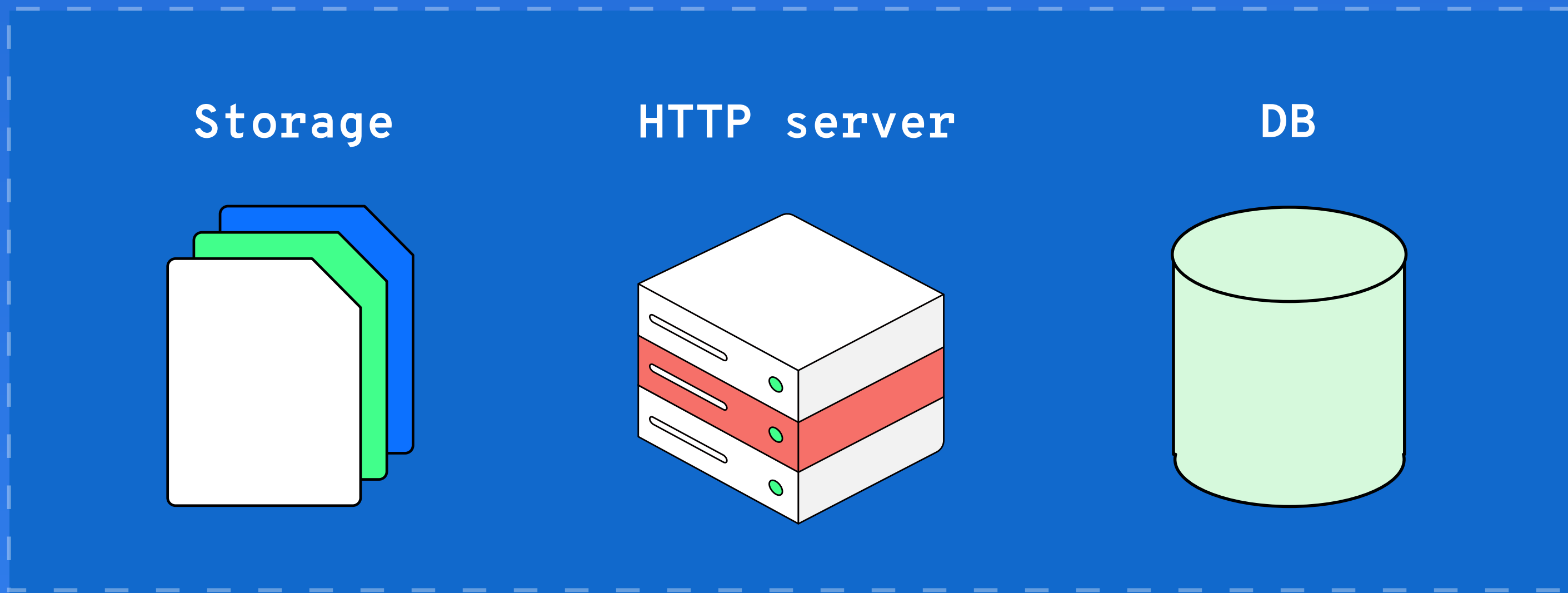
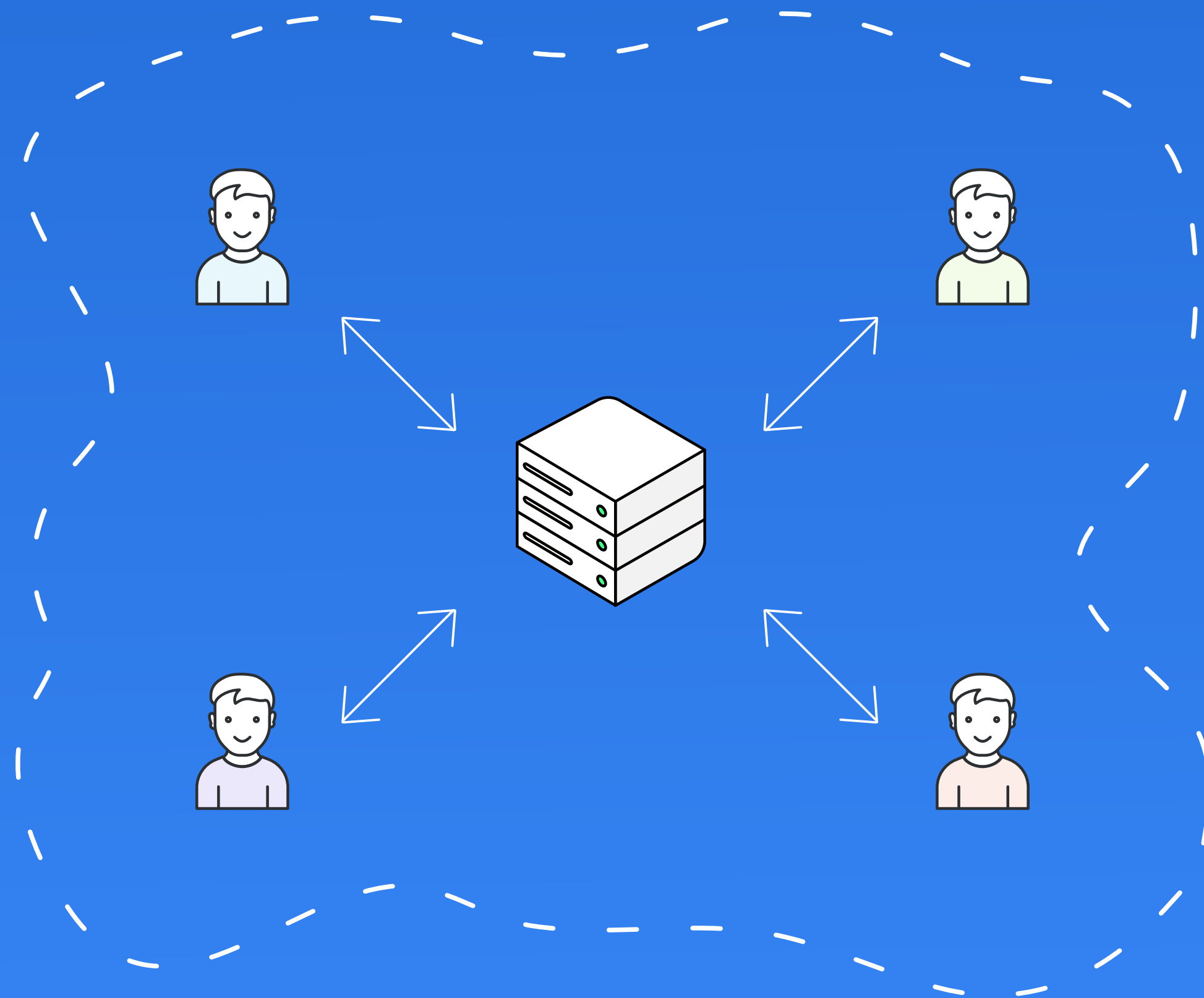




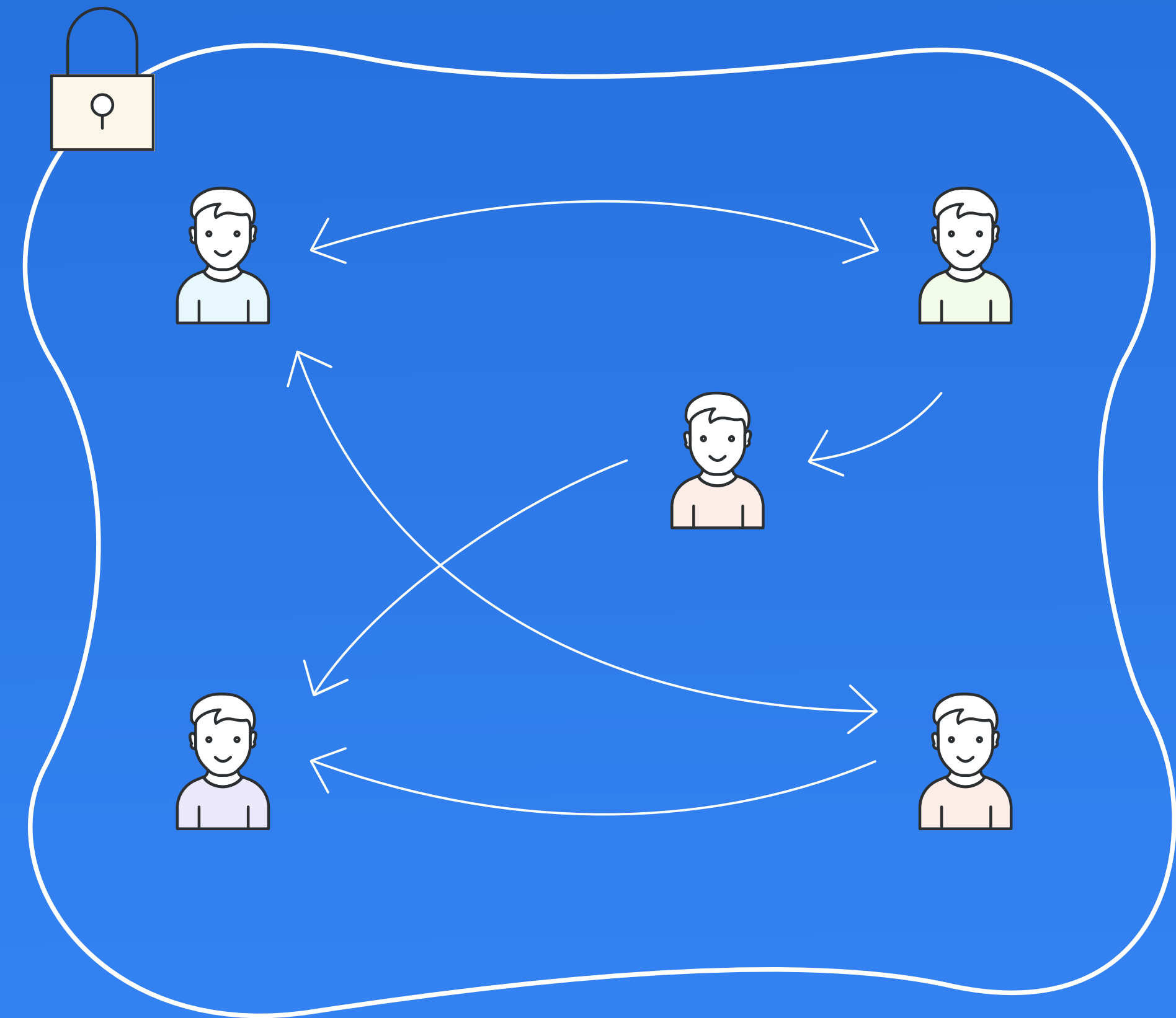
0xcert framework







Centralized

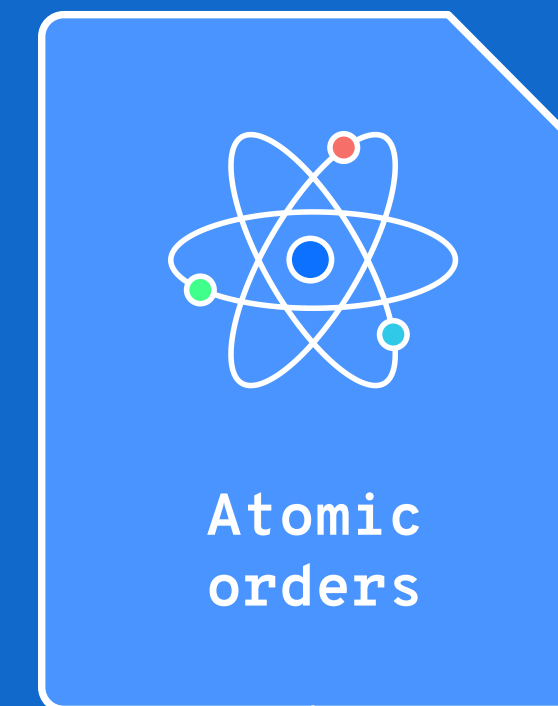


Decentralized



- # Built for application developers
- # Free and open-source
- # Simplifies the development of dapps
- # Simple JavaScript API for browser and server
- # Easy to use
- # Blockchain agnostic

0xcert framework



API



Providers

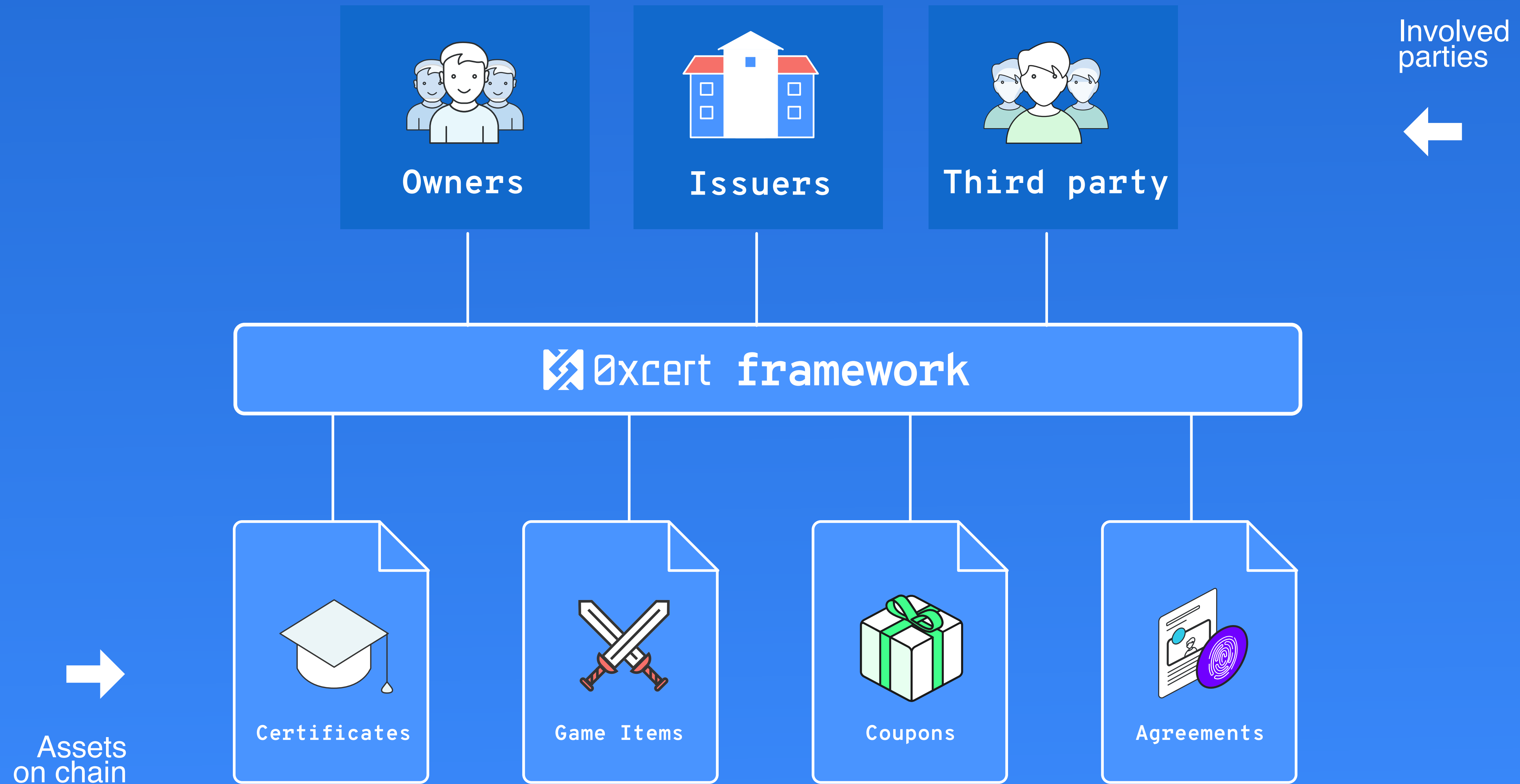
Third party

Blockchain

Database



Assets.

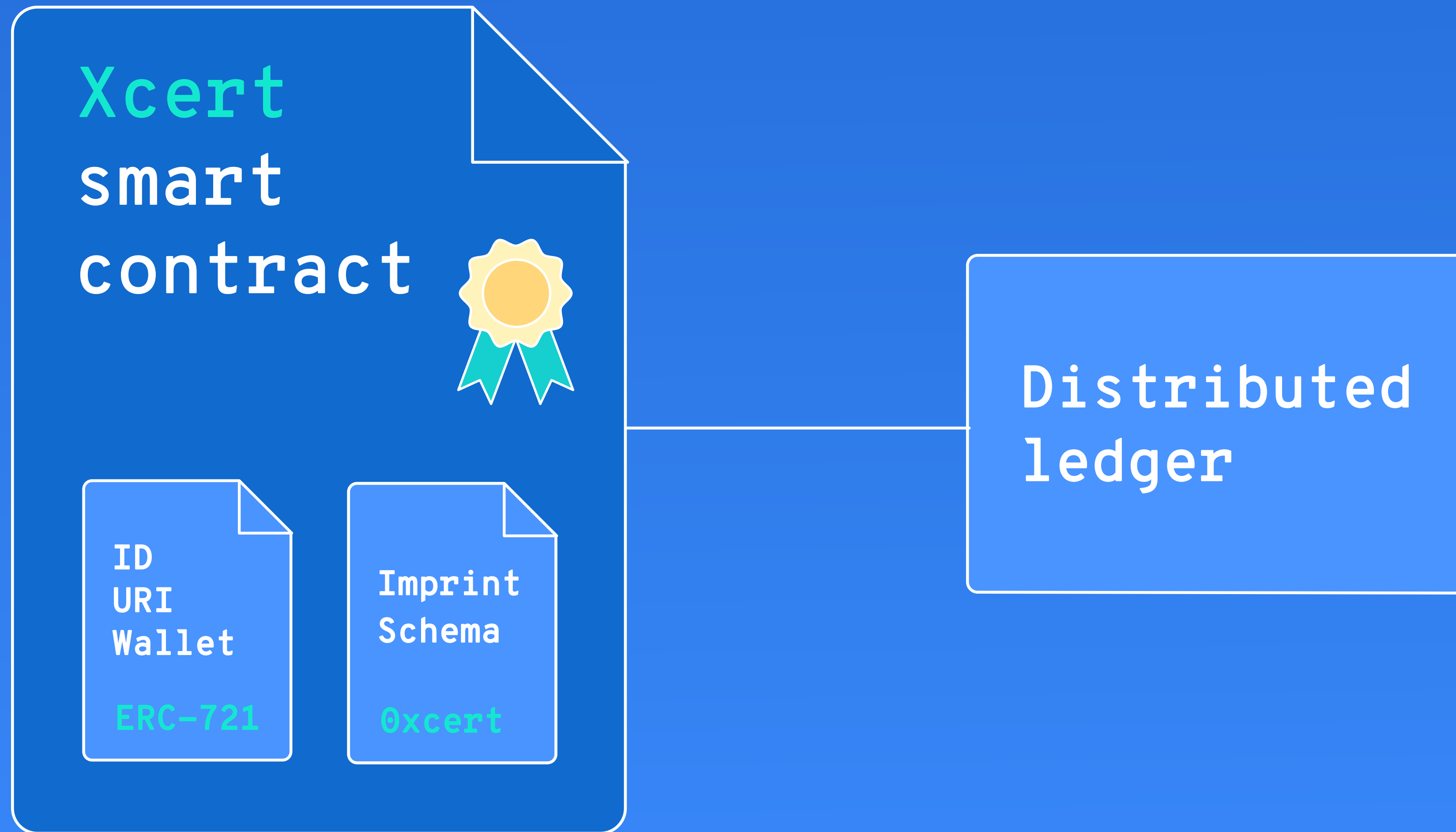


ID
URI
Wallet

ERC-721

Imprint
Schema

0xcert

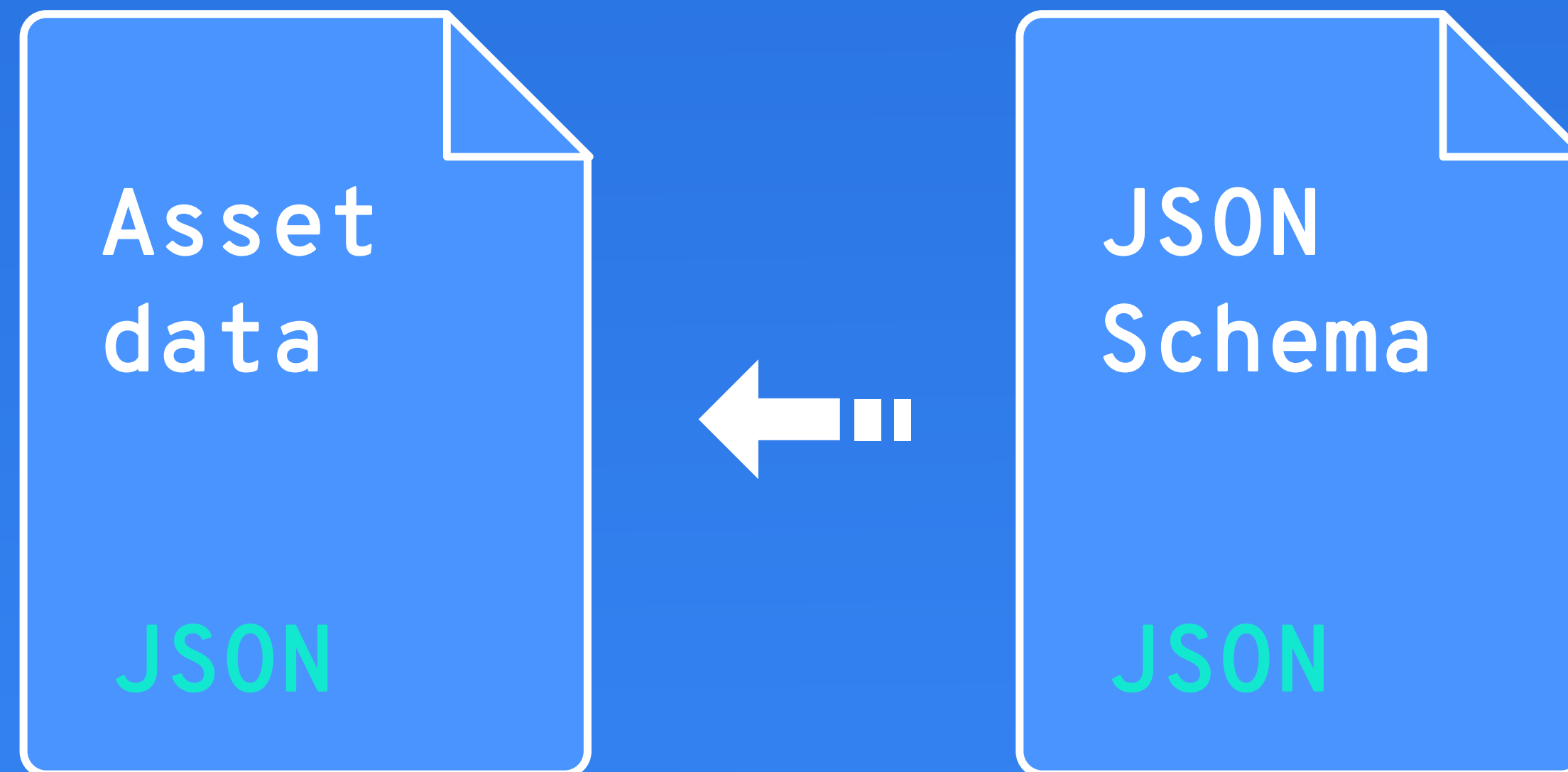


Deploy new asset ledger

```
AssetLedger.deploy(...);
```

Create an asset ledger class instance

```
AssetLedger.getInstance(...);
```

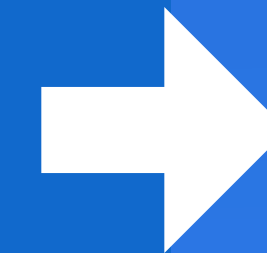


Certify asset data

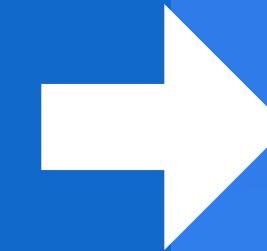
Publish



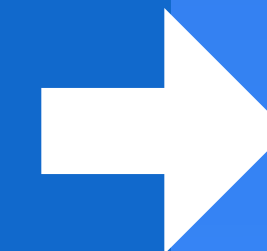
```
cert.imprint(data);  
Merkle tree root
```



```
cert.expose(data, [...]);  
public metadata
```

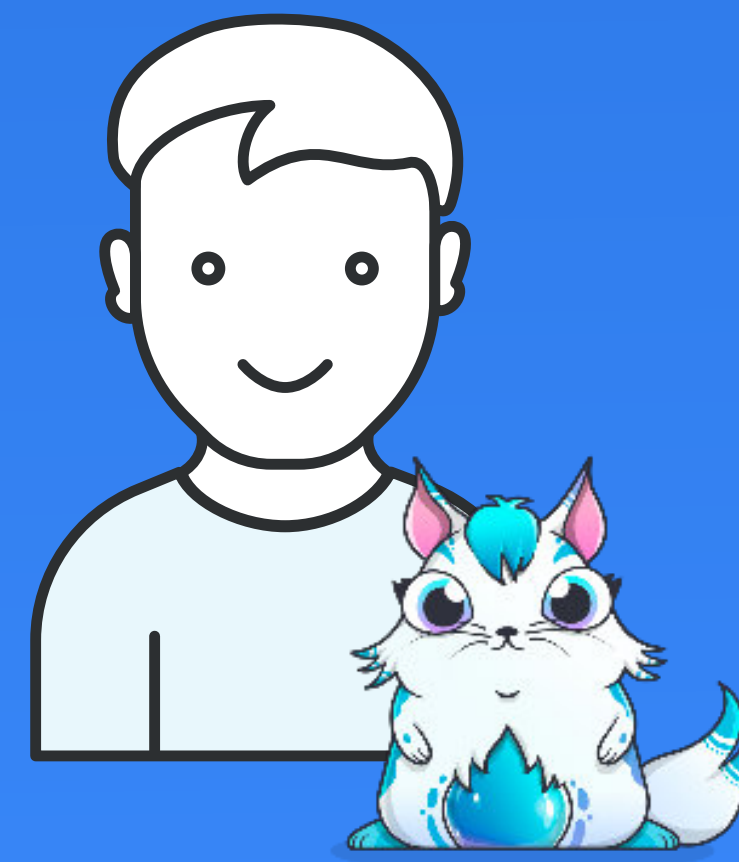


```
cert.disclose(data, [...]);  
public metadata evidence
```



Create new asset with unique ID and imprint

```
assetLedger.createAsset(...);
```



I just received a new
NFT to my crypto
wallet!



Owner



Third party

Verify asset data

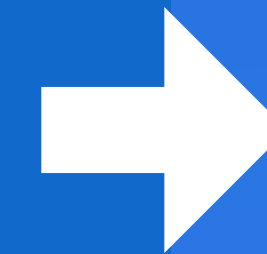
Bricks



Owner

```
cert.expose(data, [...]);
```

disclosed asset data



SEND

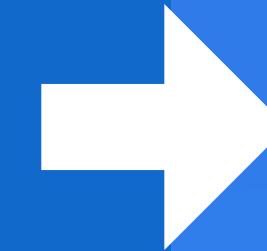
JSON



Third party

```
cert.disclose(data, [...]);
```

disclosed asset data evidence

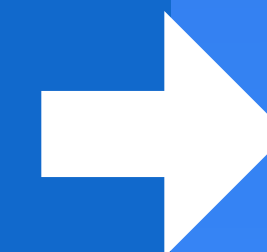


SEND

JSON

```
assetLedger.getAsset(id);
```

verifying asset imprint



READ

string

Recalculate asset data imprint

```
cert.calculate(data, [...]);
```



I confirm that your
claim is
proved valid!



Now it's your turn.