

CODELAB NFT

Introduction au développement Web3

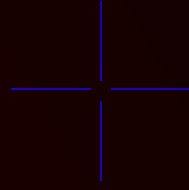
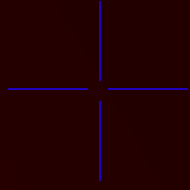
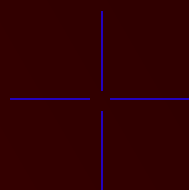
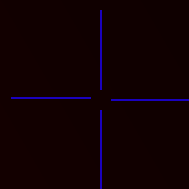
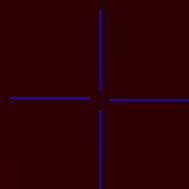
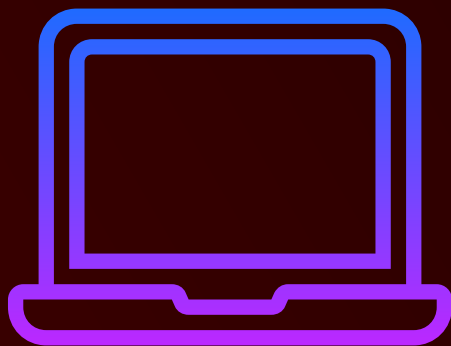
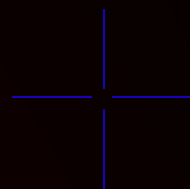
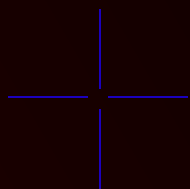
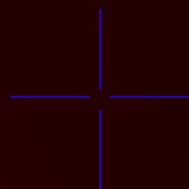
LUCIEN LOISEAU - 18 MAI 2022

1.

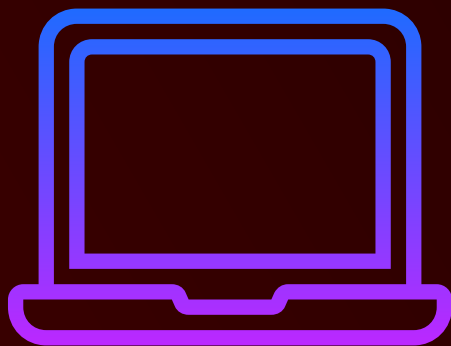
WEB3 / WEB2

QUELLE DIFFÉRENCE?

SI ON DEVAIT CODER UN NFT EN WEB 2

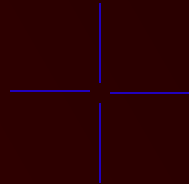
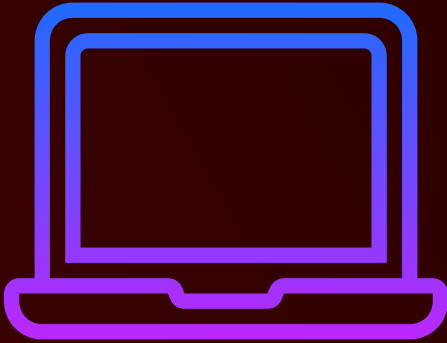


SI ON DEVAIT CODER UN NFT EN WEB 2

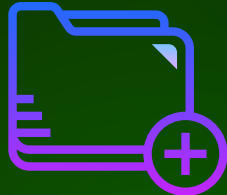


cloud provider (GCP)

SI ON DEVAIT CODER UN NFT EN WEB 2

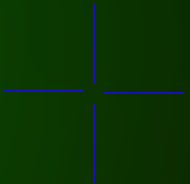


cloud provider (GCP)

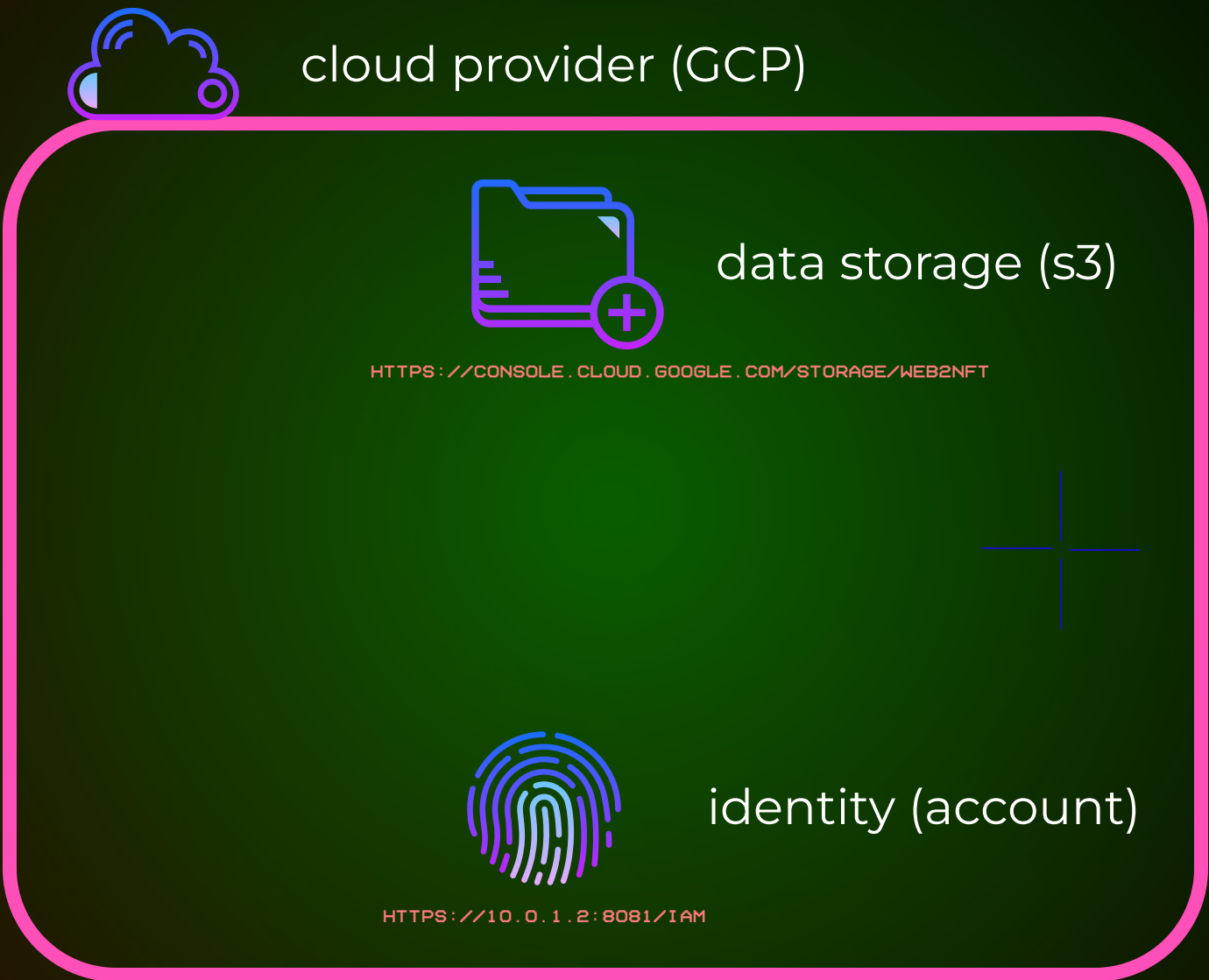
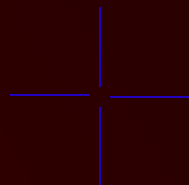
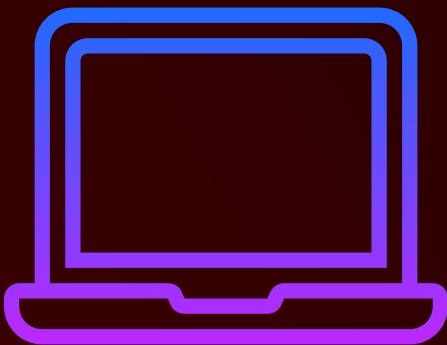


data storage (s3)

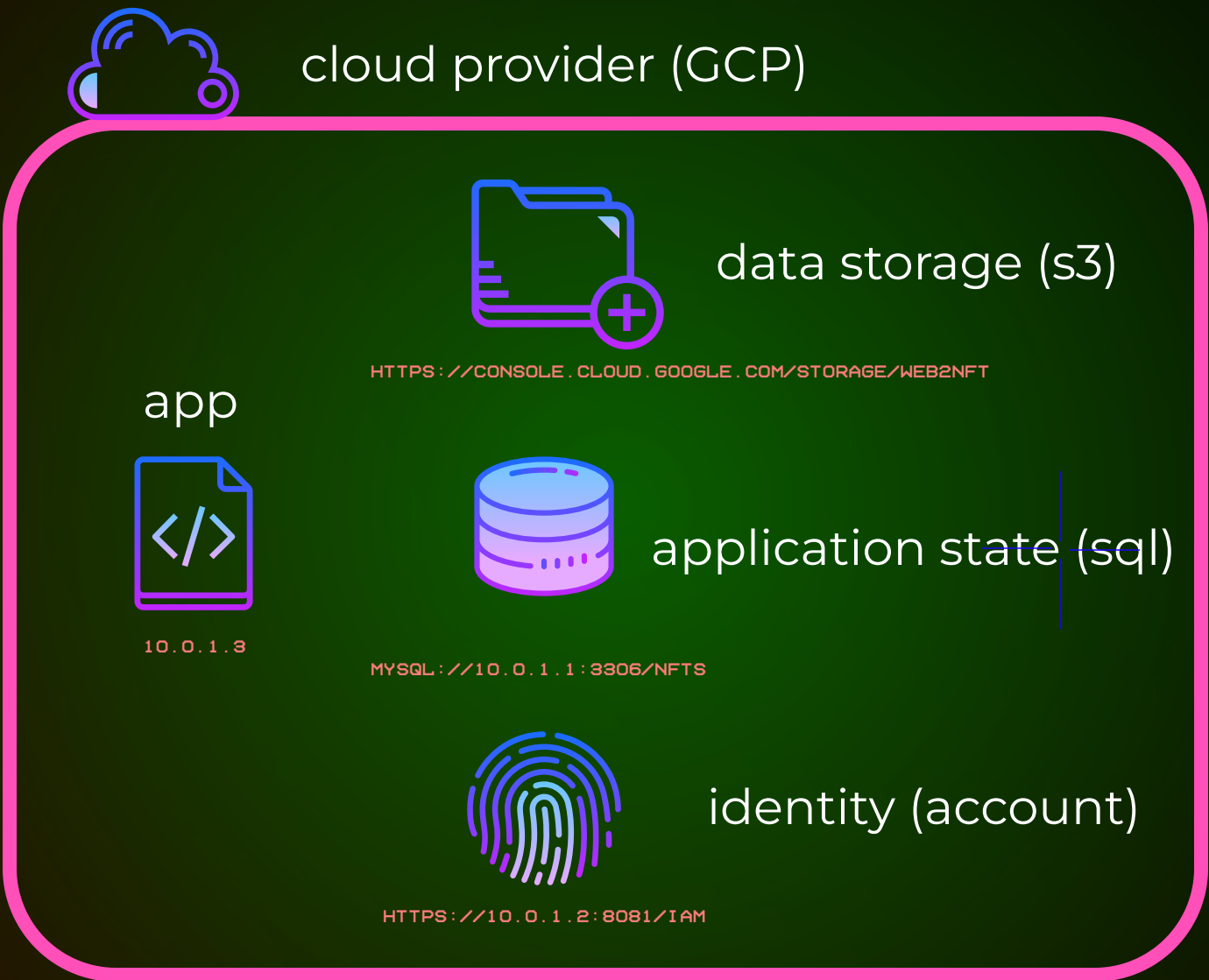
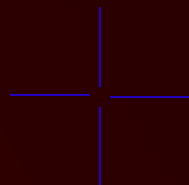
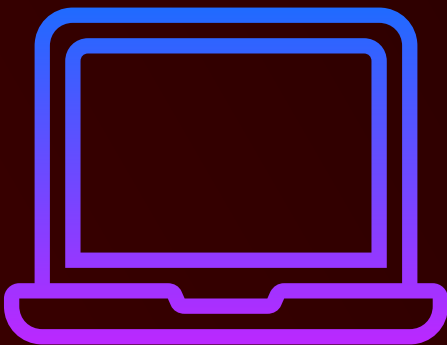
[HTTPS://CONSOLE.CLOUD.GOOGLE.COM/STORAGE/WEB2NFT](https://console.cloud.google.com/storage/web2nft)



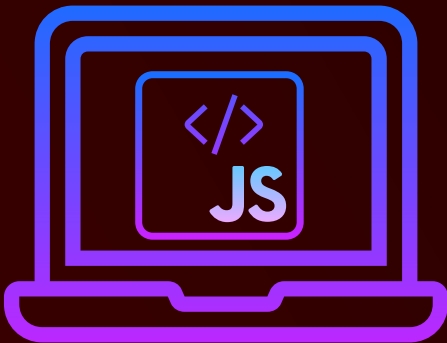
SI ON DEVAIT CODER UN NFT EN WEB 2



SI ON DEVAIT CODER UN NFT EN WEB 2



SI ON DEVAIT CODER UN NFT EN WEB 2



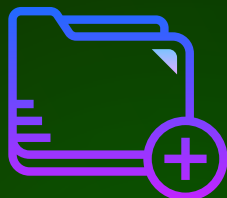
http



HTTPS://WEB2NFT.COM/API



cloud provider (GCP)



data storage (s3)

HTTPS://CONSOLE.CLOUD.GOOGLE.COM/STORAGE/WEB2NFT

app



10.0.1.3



application state (sql)

MYSQL://10.0.1.1:3306/NFTS



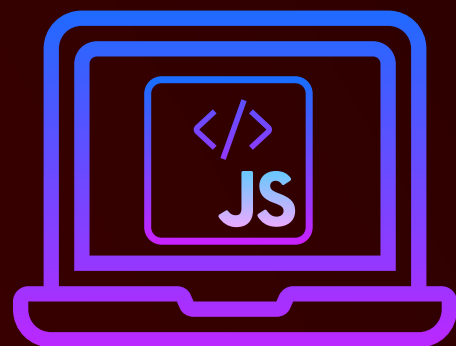
identity (account)

HTTPS://10.0.1.2:8081/IAM

SI ON DEVAIT CODER UN NFT EN WEB 2

Modèle du château fort:

- **dedans**: trusté, accès privilégiés
- **dehors**: contrôlé, permissionné



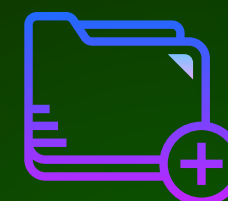
http



[HTTPS://WEB2NFT.COM/API](https://web2nft.com/api)



cloud provider (GCP)



data storage (s3)

[HTTPS://CONSOLE.CLOUD.GOOGLE.COM/STORAGE/WEB2NFT](https://console.cloud.google.com/storage/web2nft)

app



10.0.1.3



application state (sql)

[MYSQL://10.0.1.1:3306/NFTS](mysql://10.0.1.1:3306/nfts)



identity (account)

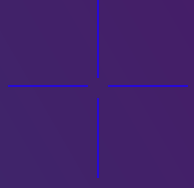
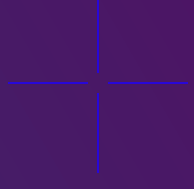
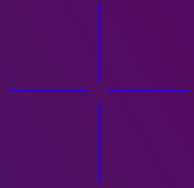
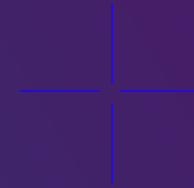
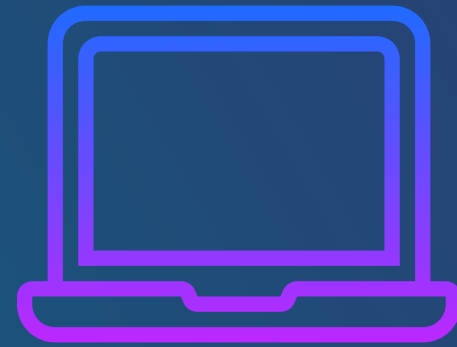
[HTTPS://10.0.1.2:8081/IAM](https://10.0.1.2:8081/iam)

URL EVERYWHERE !

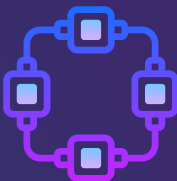
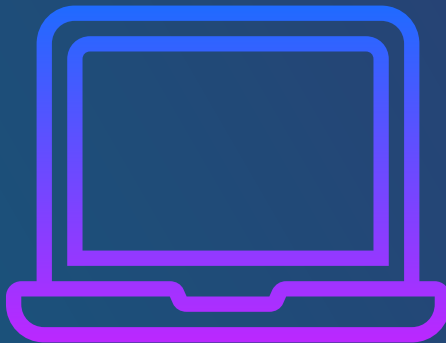


LOCATION-ADDRESSABLE WEB

ET EN WEB 3 ?



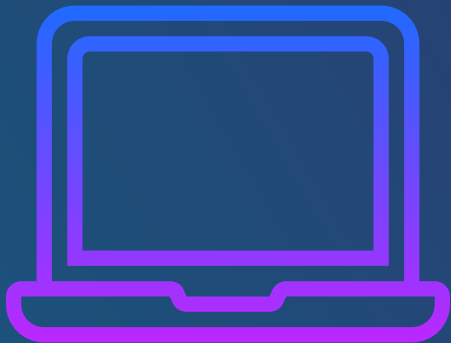
ET EN WEB 3 ?



data storage on **IPFS**

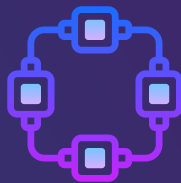
[IPFS://QMYSWYYQL2RTYKTB8A9ERJ6CSRRLQPC1SK3NE7N6SBGAAJ](https://ipfs.io/ipfs/QMYSWYYQL2RTYKTB8A9ERJ6CSRRLQPC1SK3NE7N6SBGAAJ)

ET EN WEB 3 ?



identity
(ledger, metamask, ..)

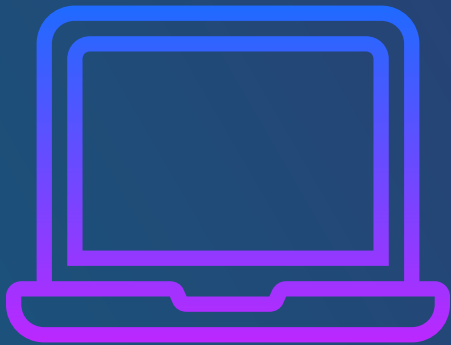
0XAB57EA35F5960AB178EA5441937B35823BCFE695



data storage on **IPFS**

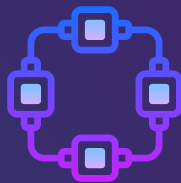
IPFS://QMYSWYYQL2RTYKTB8A9ERJ6CSRRLQPC1SK3NE7N6SBGAAJ

ET EN WEB 3 ?



identity
(ledger, metamask, ..)

`0XAB57EA35F5960AB178EA5441937B35823BCFE695`



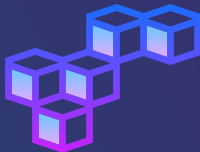
data storage on **IPFS**

`IPFS://QMYSWYYQL2RTYKTB8A9ERJ6CSRRLQPC1SK3NE7N6SBGAAJ`



application (smart contract)

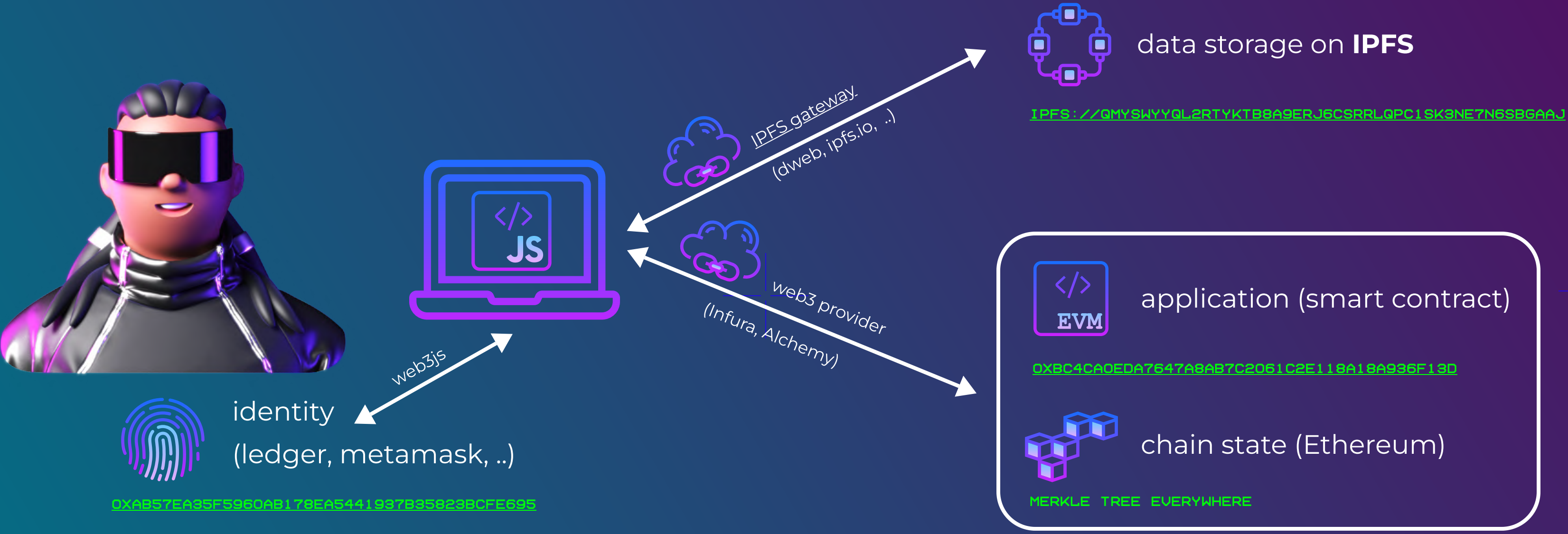
`0XBC4CA0EDA7647A8AB7C2061C2E118A18A936F13D`



chain state (Ethereum)

`MERKLE TREE EVERYWHERE`

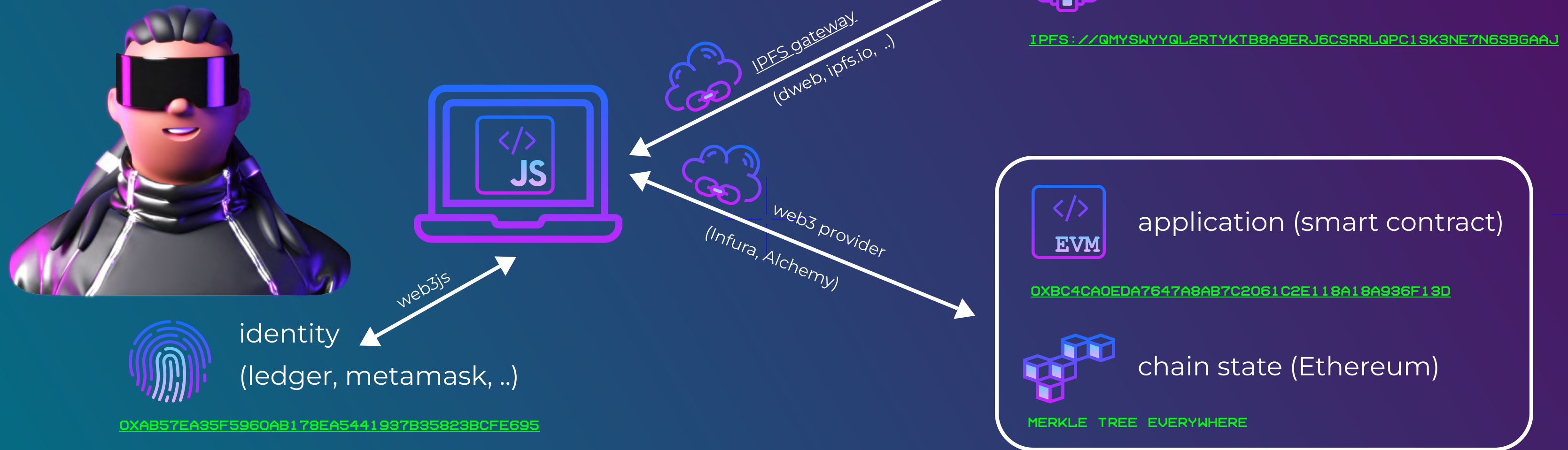
ET EN WEB 3 ?



ET EN WEB 3 ?

Modèle centré autour de:

- identités cryptographique
- blockchain



HASHES EVERYWHERE !
↳ CONTENT-ADDRESSABLE WEB

2.

ANALYSE D'UN NFT