



DATA SIGNALS

BLOCKCHAIN BASED DATA ACCESS CONTROL

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PinkScorpion provides the means by which businesses are able to offer a living contract between themselves and the data subjects that consume their services, putting the individuals in control of how their personal data is used.

The PinkScorpion electronic contract wallet app provides access to all PinkScorpion compliant contracts that an individual has signed as a consequence of registering for online services. The wallet allows access granted to an organisation to be reviewed and changed.

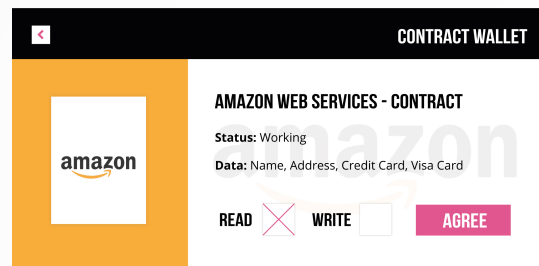


PinkScorpion controls the release of personal data from databases that collectively store the underlying information. Against each contract is stored a transformation key. The key and contract definition are stored in an encrypted form on the blockchain.

On each request for data, the service provider's application tier must ask the contract for a key. This key unlocks user specific data

for a limited time period and its compliment is applied to the data as it leaves the silo.

Database request handlers check with the blockchain, and if they are allowed to release data they are provided with the compliment key that will further encrypt the data, allowing the time dependent key passed to the service provider to unlock the individual's record.



Where access has been revoked, the blockchain no longer manufactures release keys and so the data becomes inaccessible.

All access is audited into the blockchain and visible from within PinkScorpion Wallet.

