

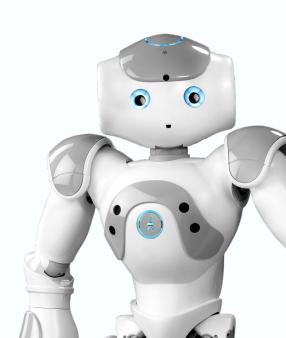
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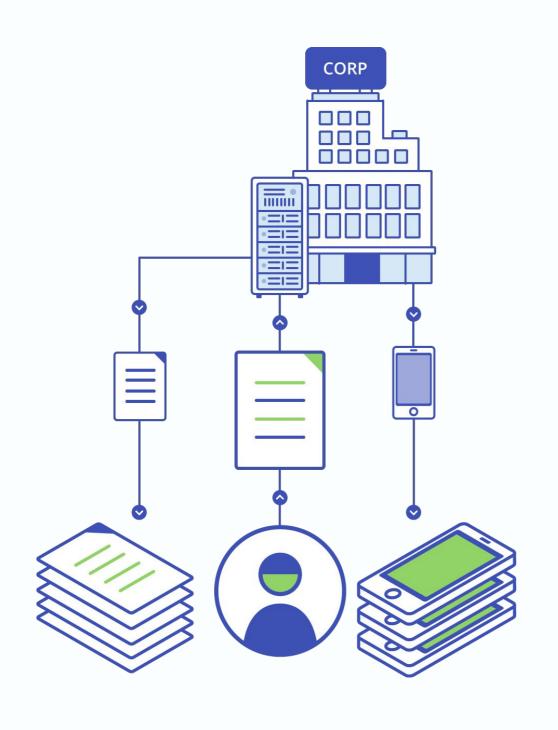
Cedric GESTES

Tankercto









Data leaks

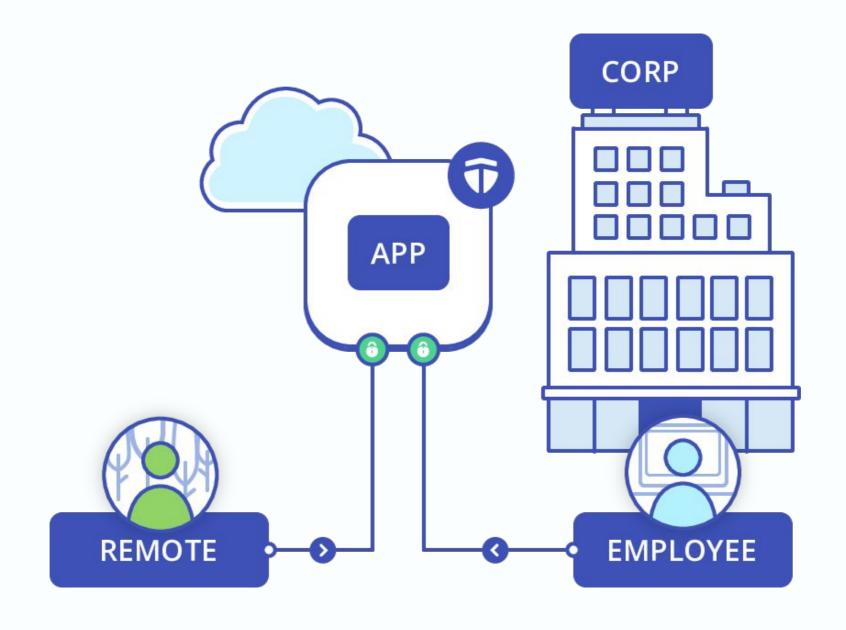
Data tampering

Hardware theft



	TANKER	CASB	DRM	ANTIVIRUS	DISK ENCRYPTION	CLOUD ENCRYPTION
USER FRIENDLY	***	*	*	**	*	***
DATA LEAK PROTECTION From cloud provider or remote attackers	~	~	~	×	N/A	×
DATA TAMPER PROTECTION From cloud provider or remote attackers	~	>	>	×	N/A	×
APT PROTECTION	×	×	×	×	×	×
VIRUS PROTECTION	×	×	×	~	×	N/A
HARDWARE THEFT PROTECTION	~	×	×	×	~	N/A

Secure applications by design



Tanker is a SDK available on desktop, mobile and the web





Tanker

Features

Protocol



Tanker

Features

Protocol



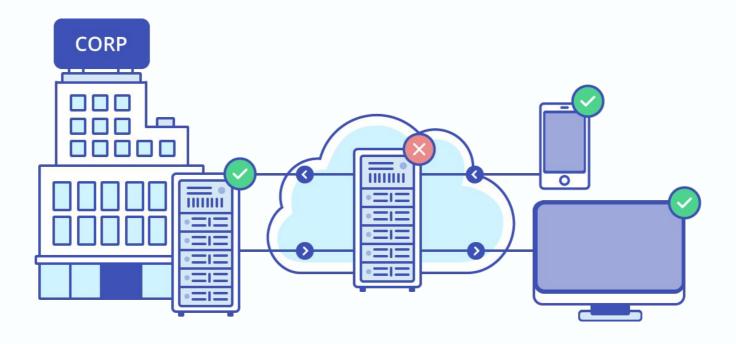


Tanker ensures confidentiality and authenticity of resources among a defined set of parties



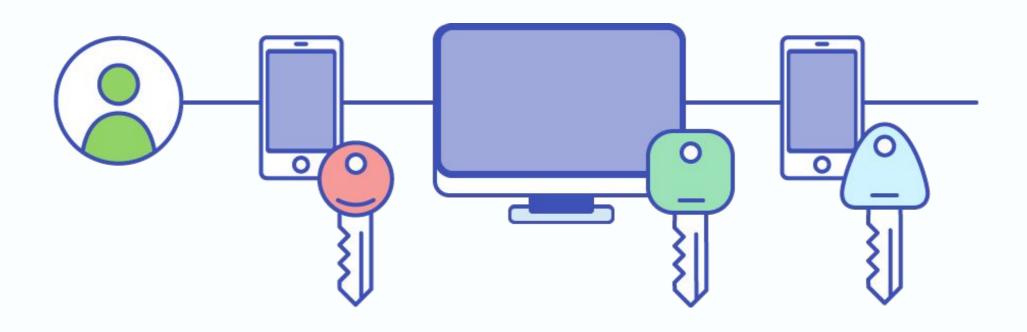
Parties can be users or servers





Parties can have multiple devices

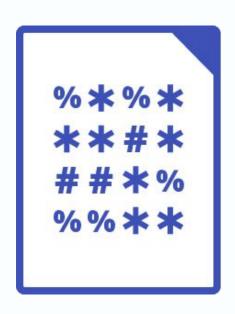
Each device has it's own private key





Actors work on resources

A resource represent a piece of data



* Chunk 1

Chunk 2

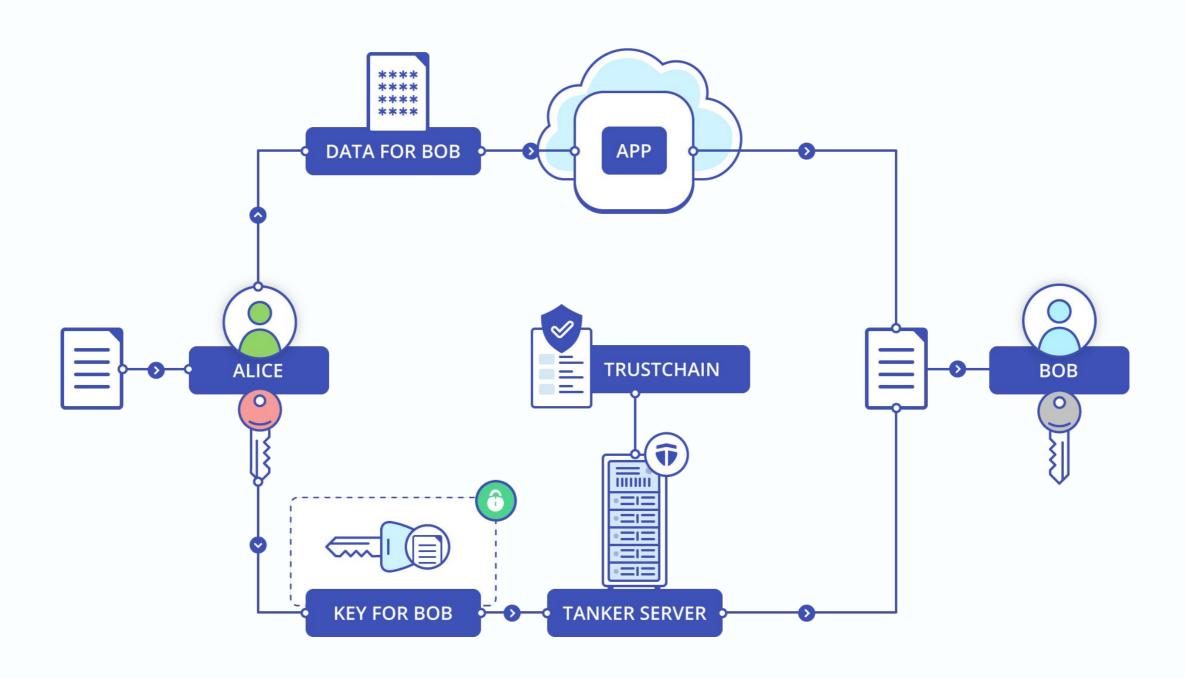
% Chunk 3

It protects any type of data:

- A document
- A record in a database
- ...



Resources can be shared

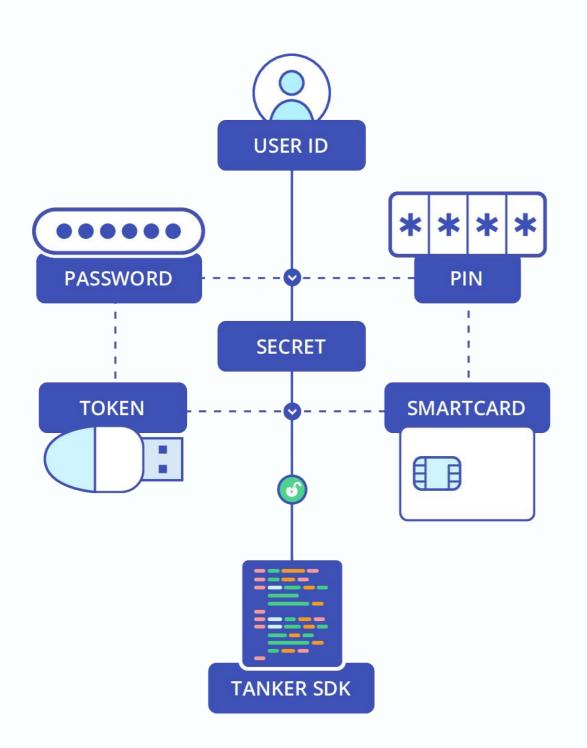




Tanker

Features

Protocol



Integrate Tanker with your system:

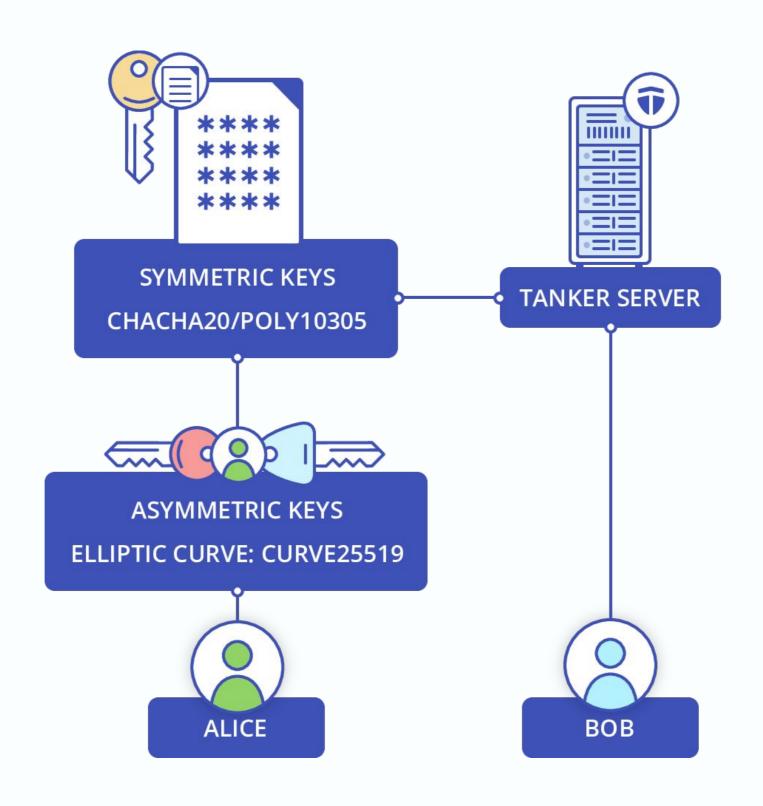
- PKI
- Active directory
- OpenID
- SSO



Balance perfect privacy and user experience

	MASTER KEY	HSM	PASSPHRASE
UX	***	***	*
PERSONAL PRIVACY	*	**	***
COMPANY PRIVACY	**	***	**
SECURITY		**	**







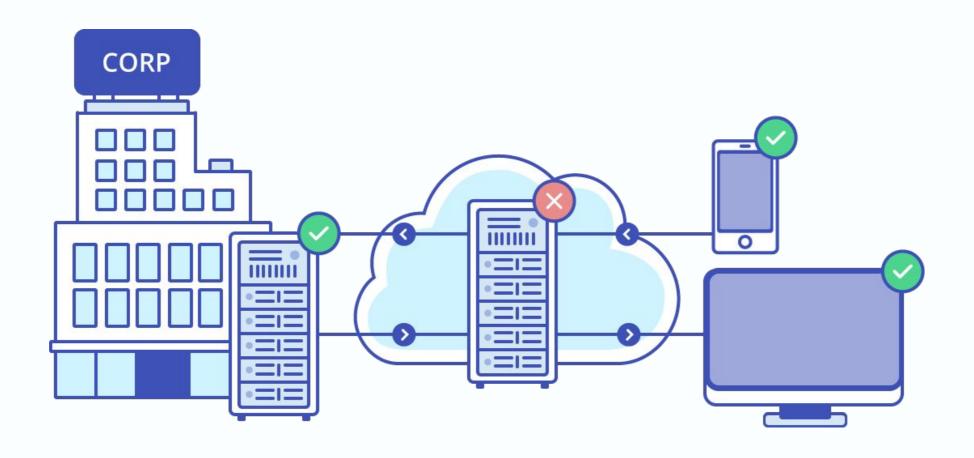
Thain of accountability



- Tamperproof
- Verifiable
- Blockchain alike
- Decentralized data ownership

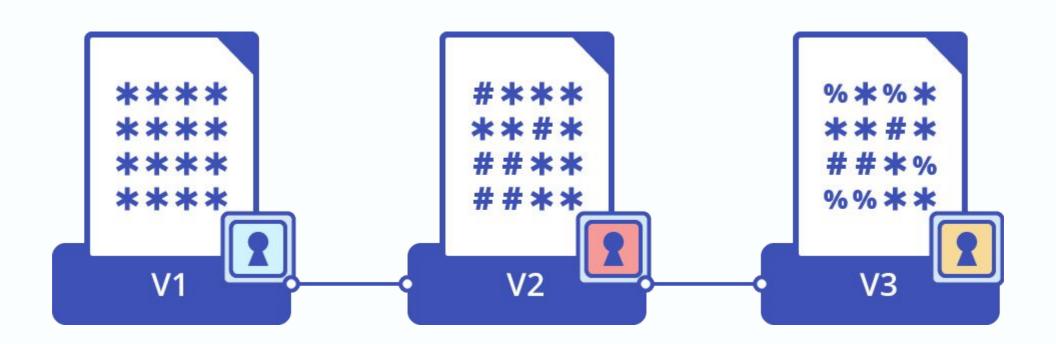


All communications are forward secure





Each data version has a new key





Tanker

Features

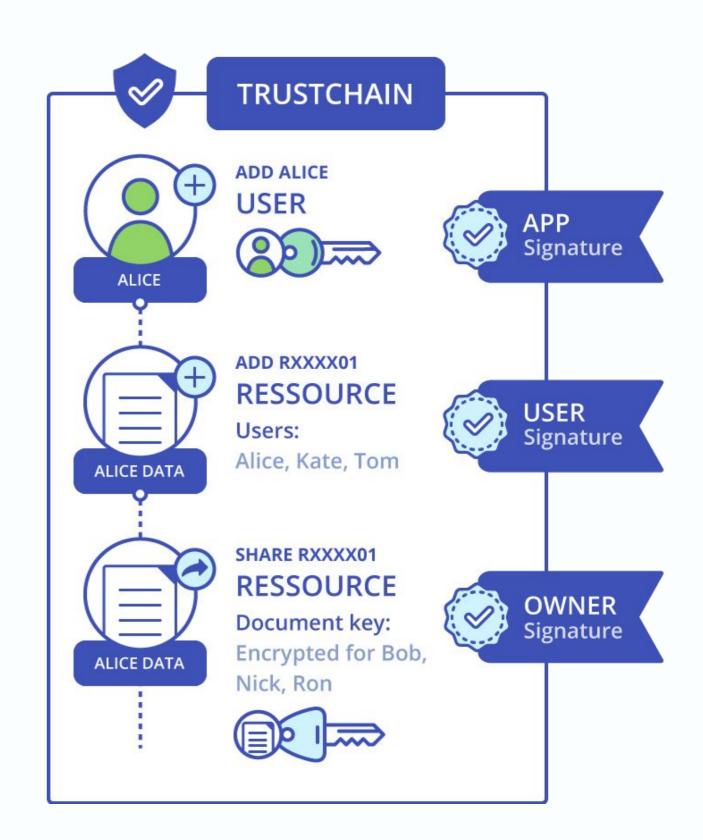
Protocol



A blockchain references:

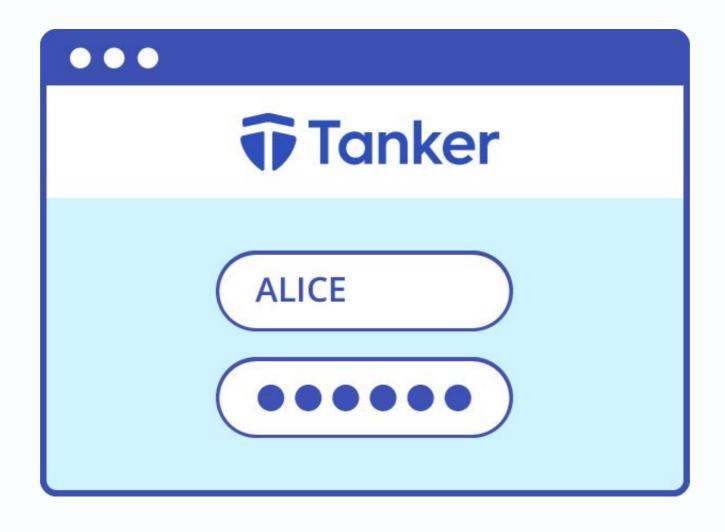
- users' devices
- resources

It is append only





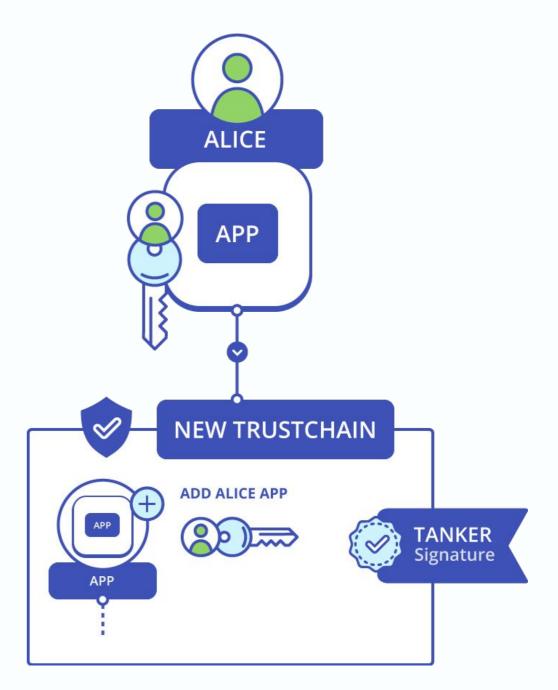
Register a Trustchain on Tanker's website





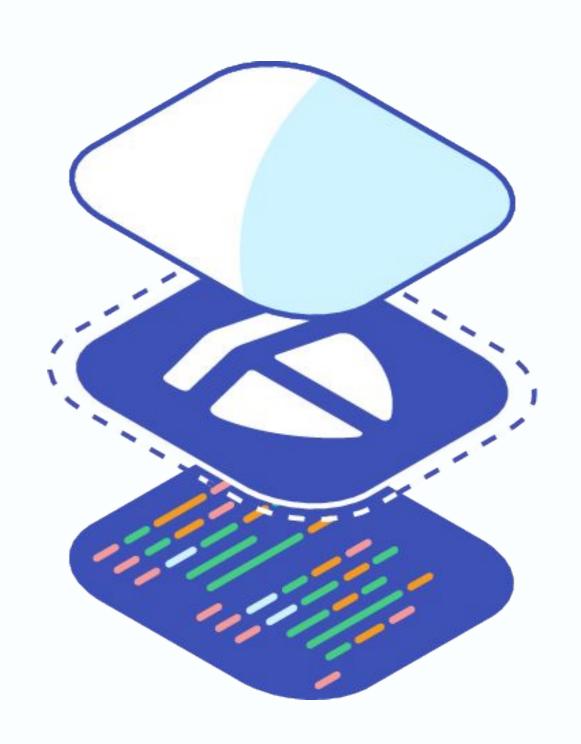
A new block is created with the Application key

The key will be used to validate new user additions



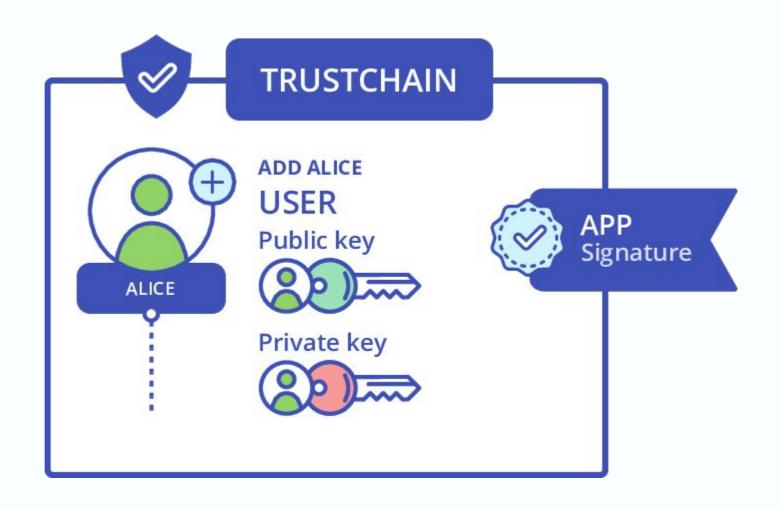


Integrate the SDK into your application

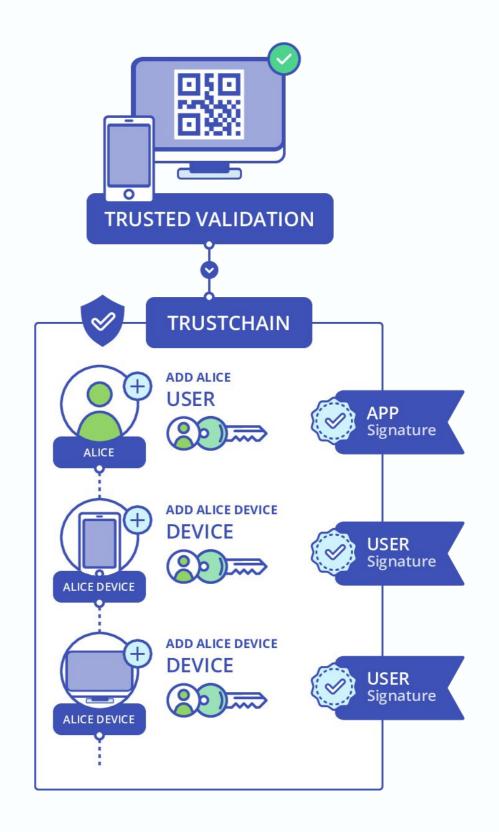




New user additions are signed by the application

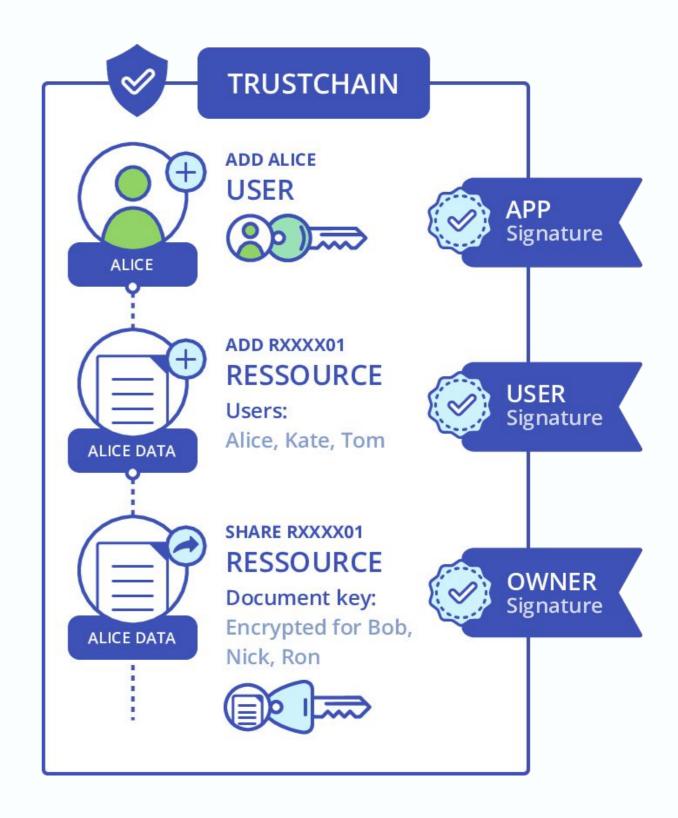


New device additions are signed by another device





Each resource share is logged to the Trustchain





Thank you!



Questions



Appendix



