



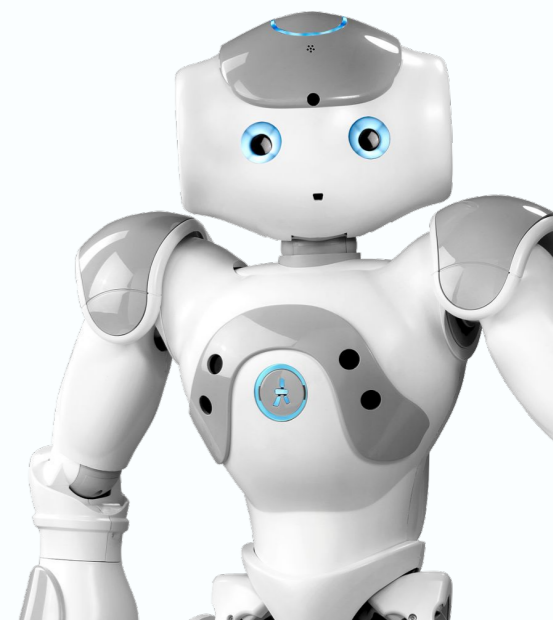
# Tanker

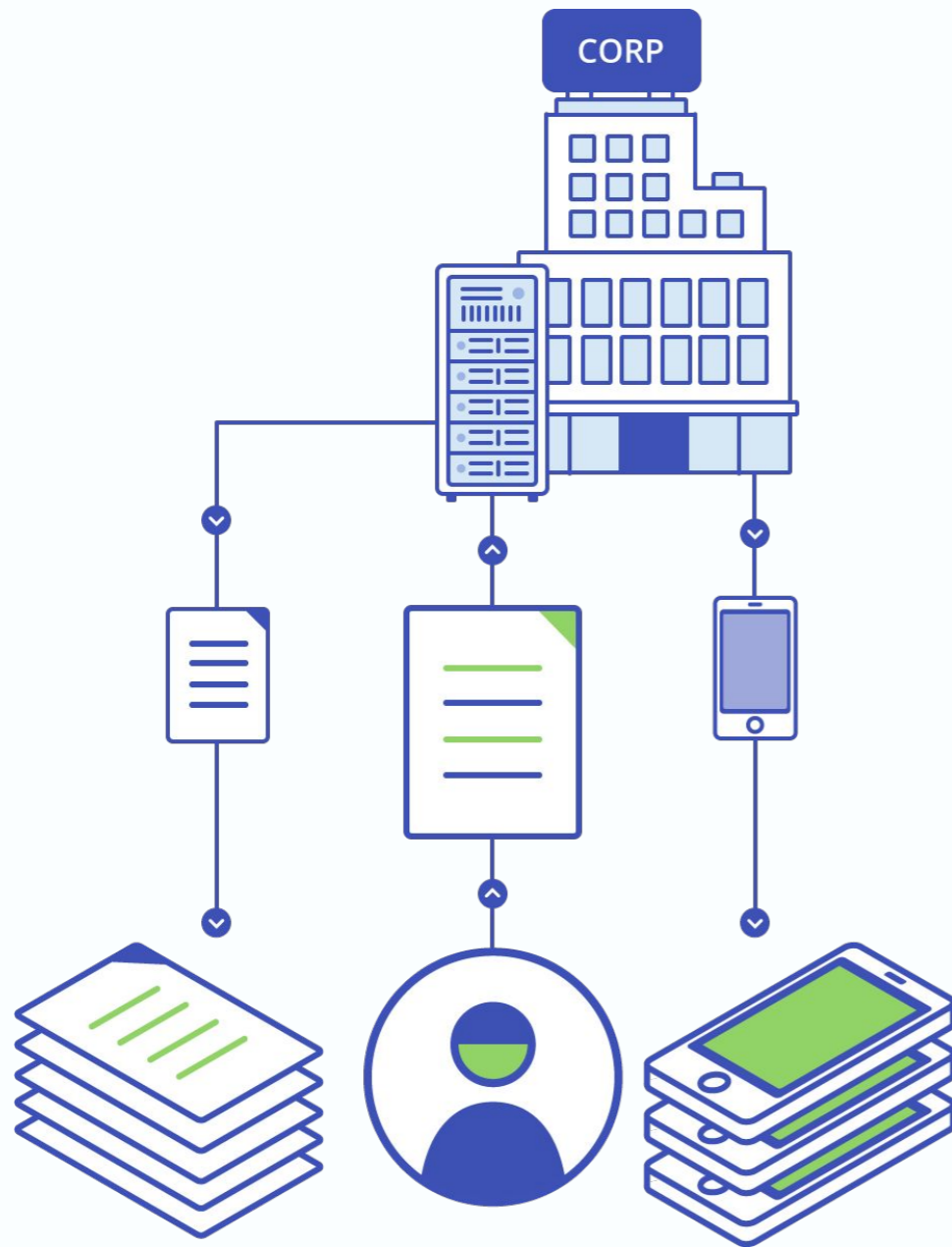


Cedric GESTES

**Tanker** CTO

Former Director at





Data leaks

Data tampering

Hardware theft

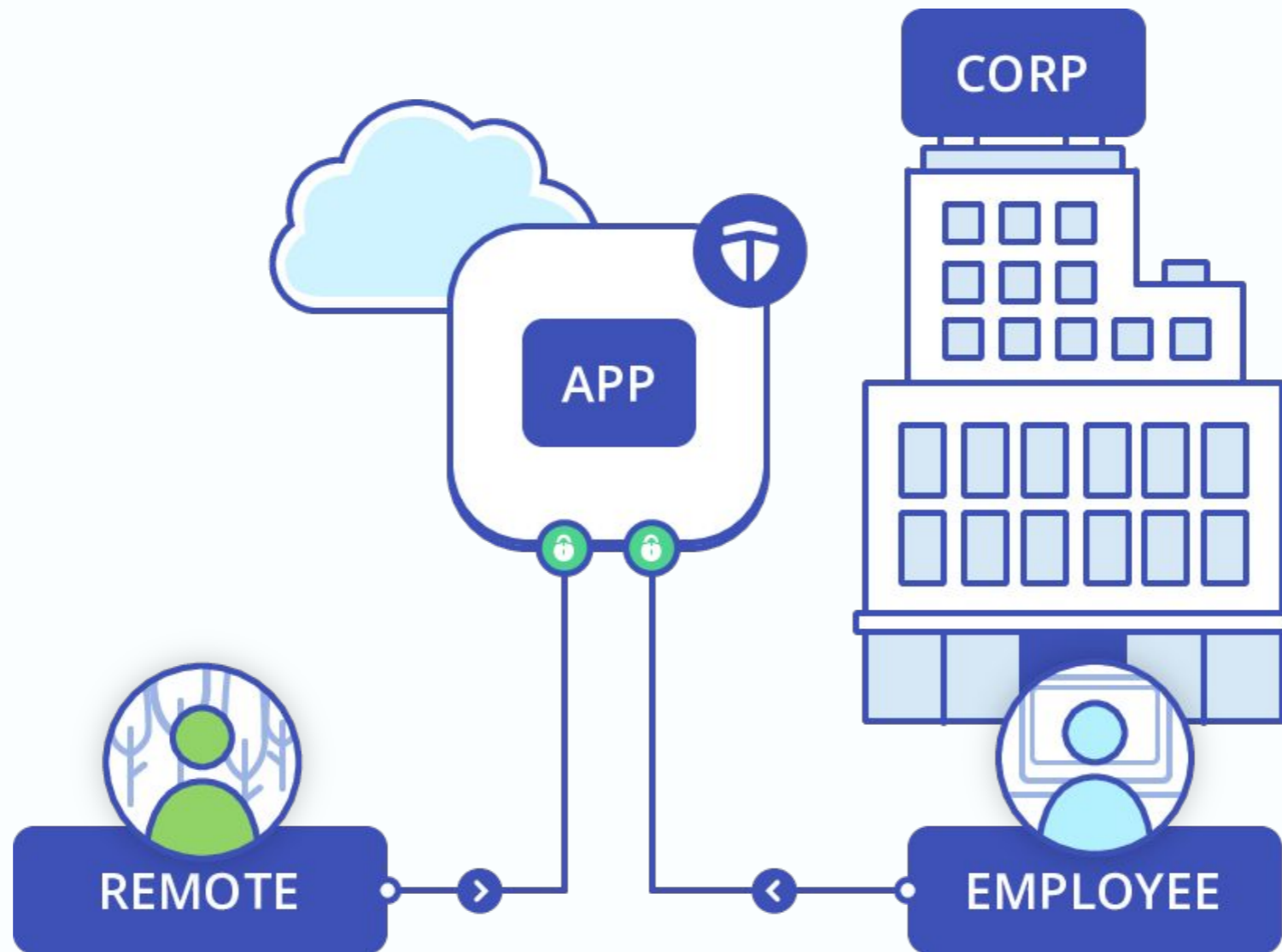


# Our landscape

	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

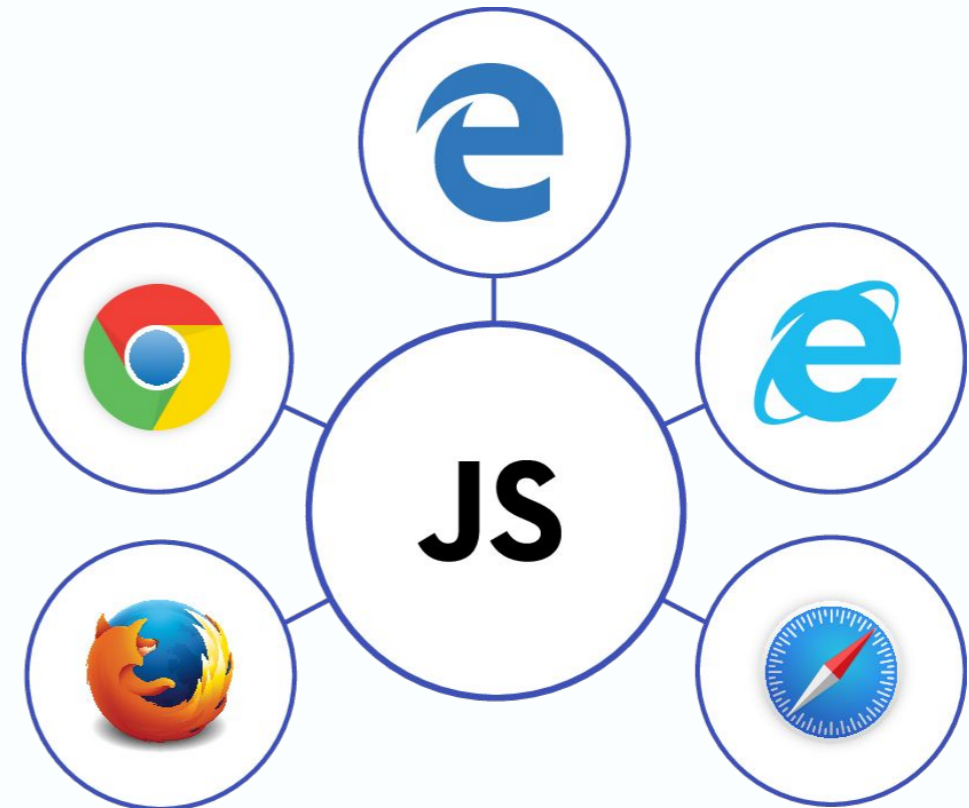


# Secure applications by design





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





# Tanker

# Features

# Protocol



# Tanker

## Features

## Protocol

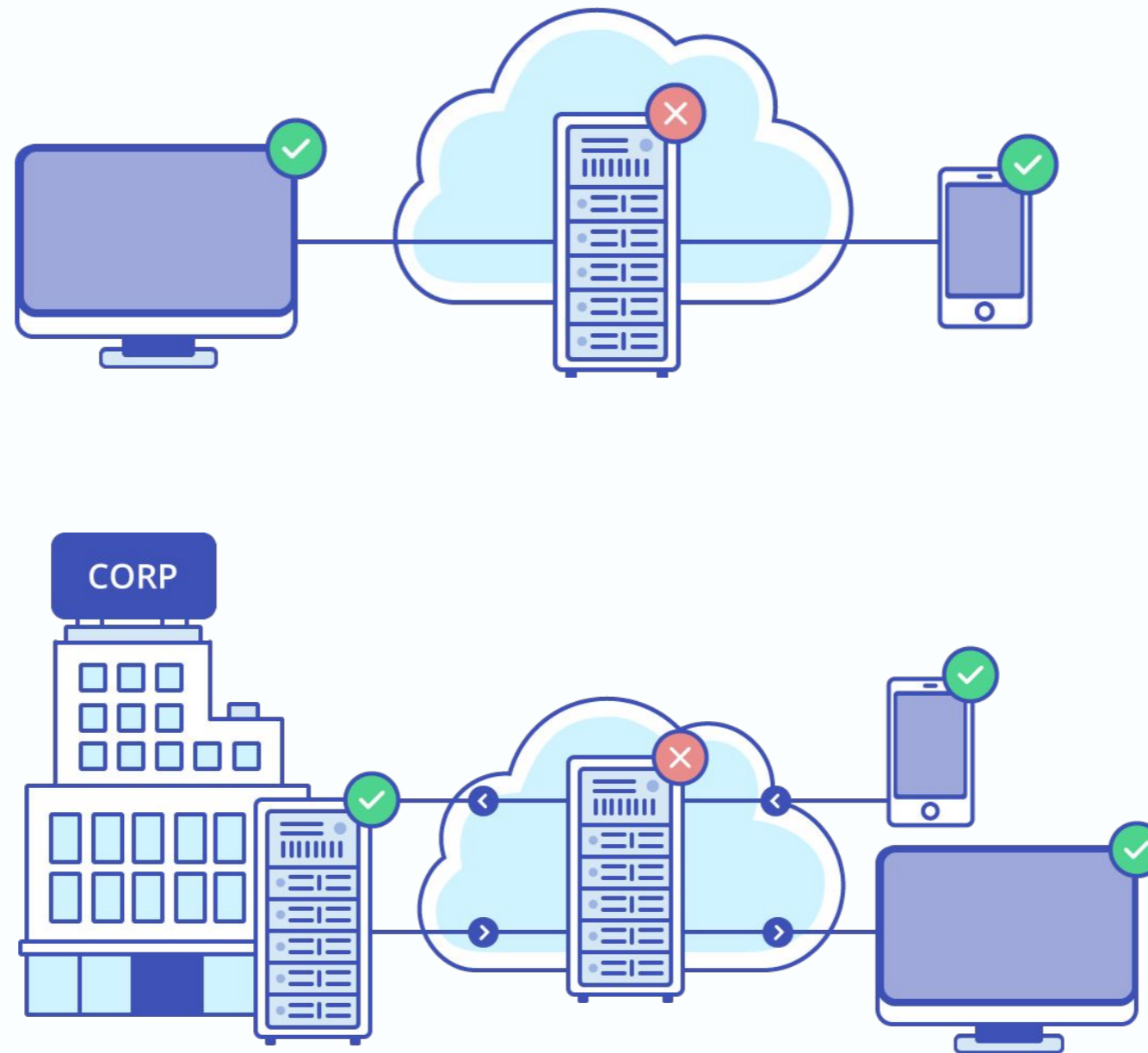




Tanker ensures **confidentiality** and **authenticity** of resources among a defined set of parties



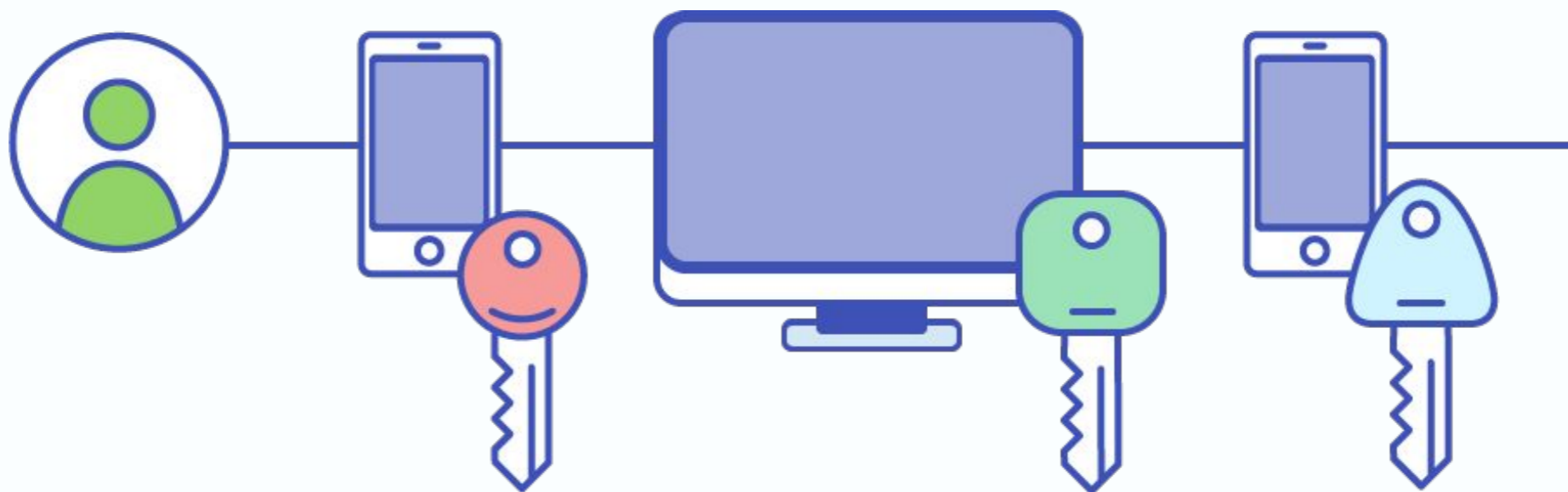
## Parties can be users or servers





Parties can have multiple devices

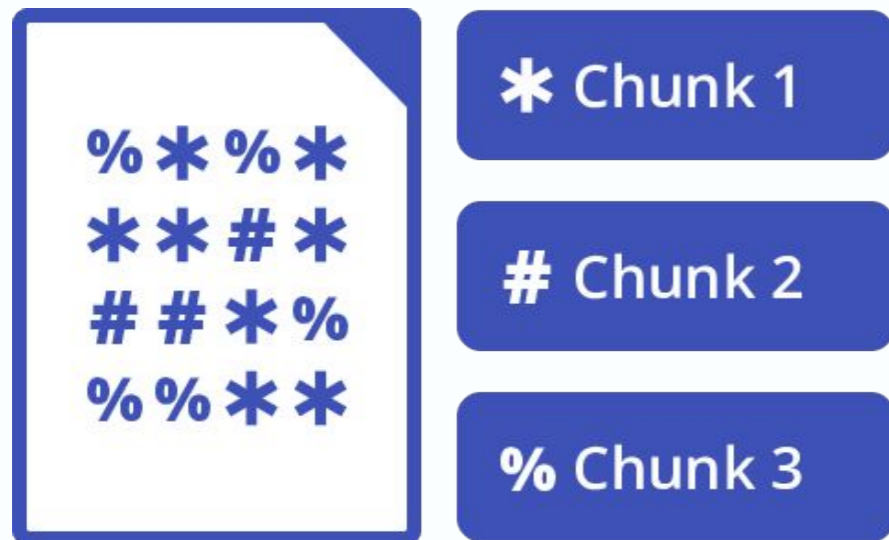
Each device  
has its own private key





Actors work on resources

A resource represent  
a piece of **data**

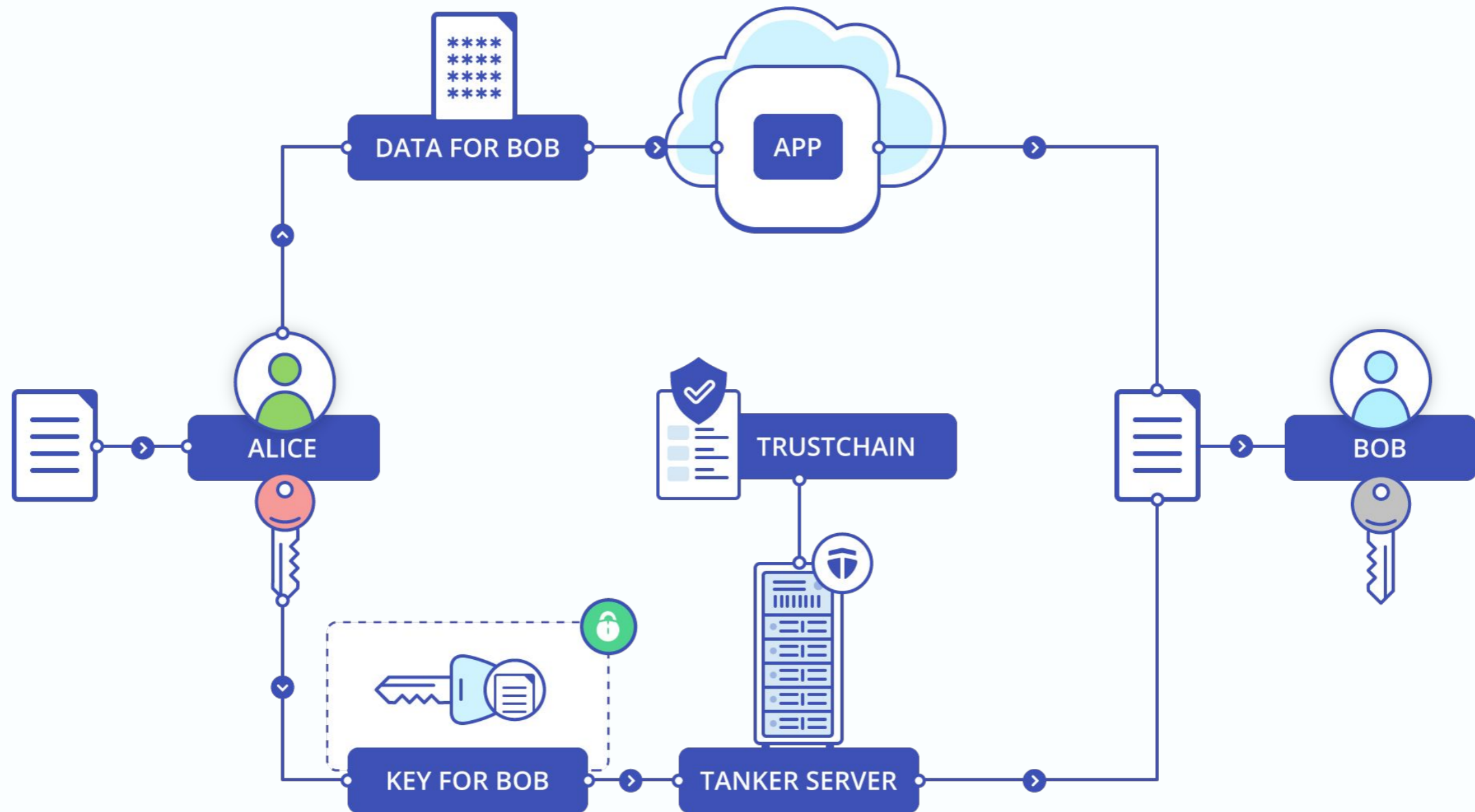


It protects any type of data:

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



## Resources can be shared

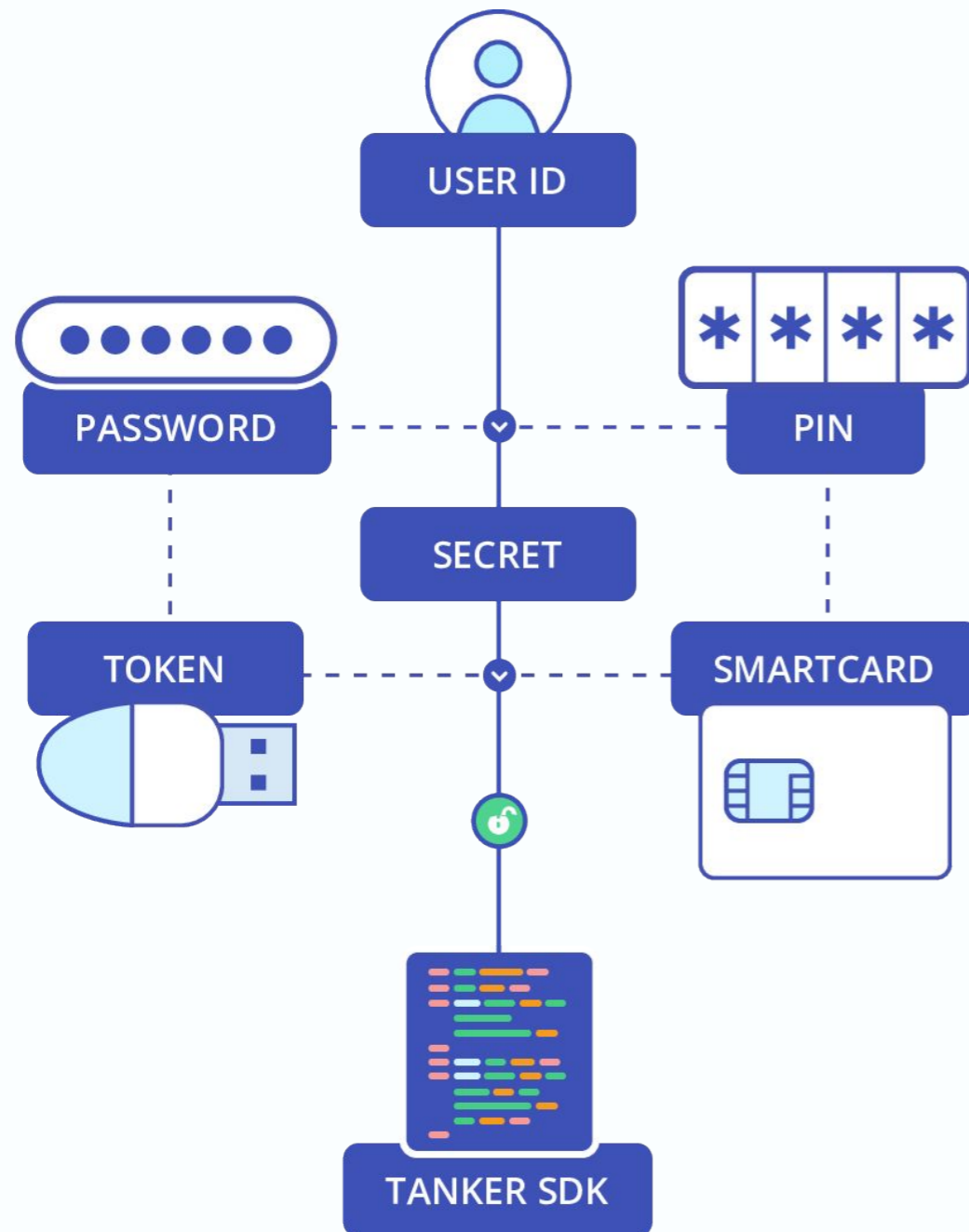




# Tanker

## Features

## Protocol



## Integrate Tanker with your system:

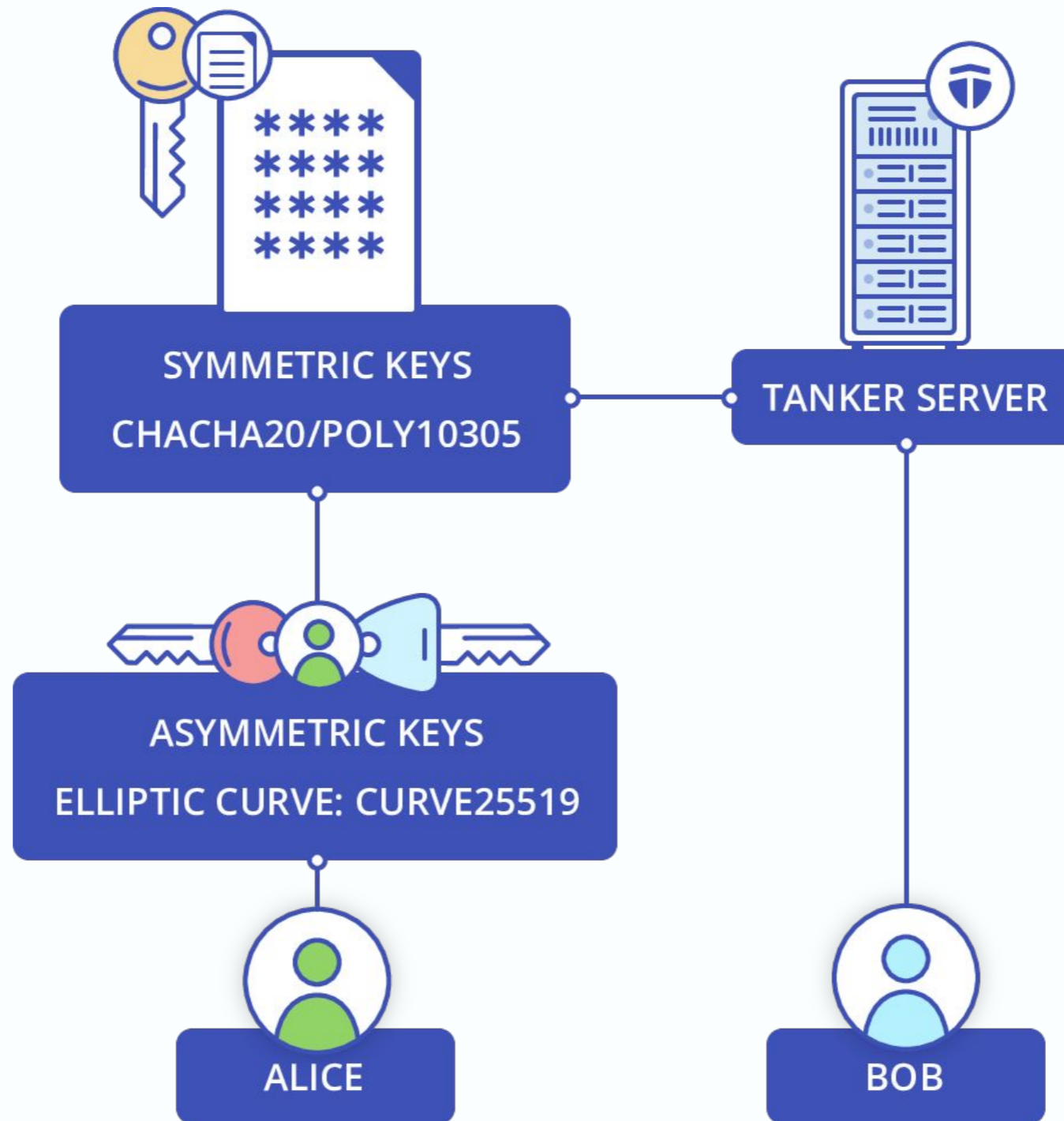
- PKI
- Active directory
- OpenID
- SSO



## Balance perfect privacy and user experience

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



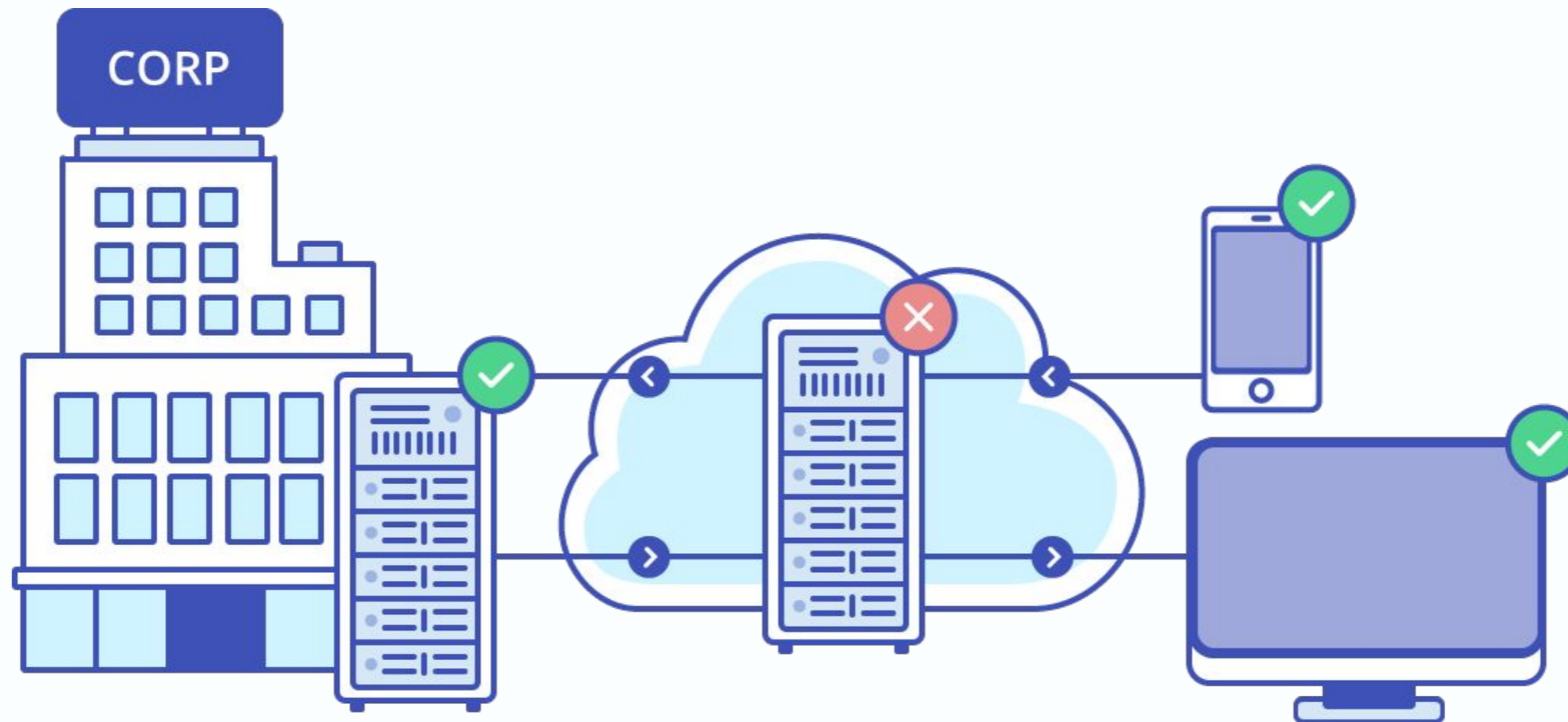




- Tamperproof
- Verifiable
- Blockchain alike
- Decentralized data ownership

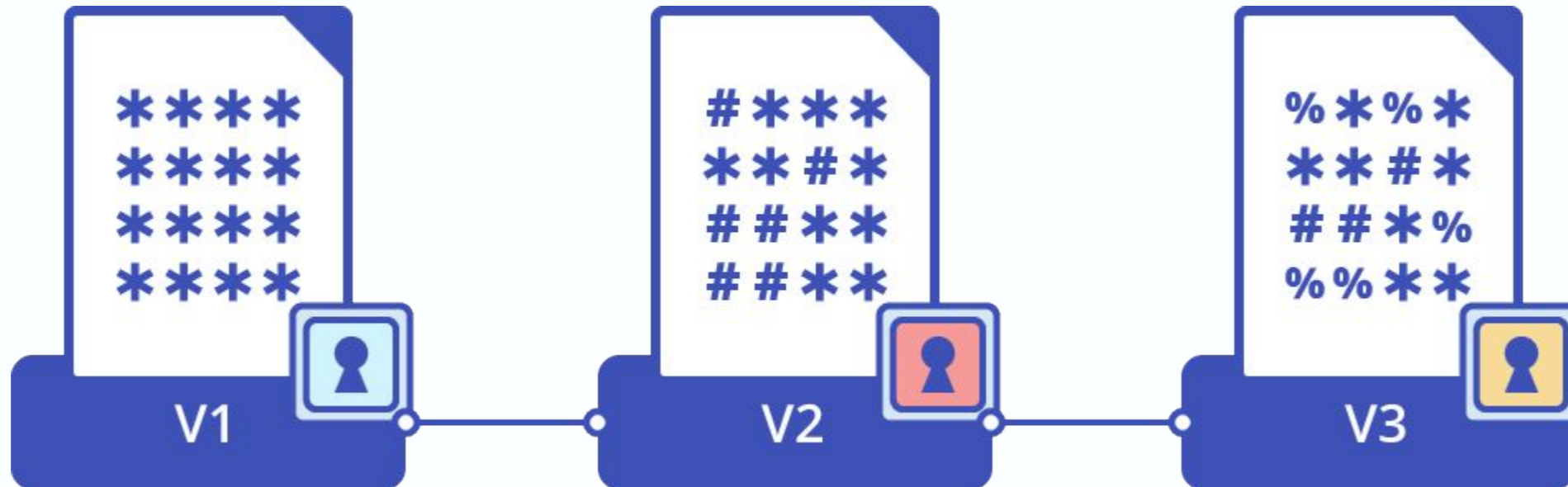


All communications  
are forward secure





Each data version  
has a new key





# Tanker

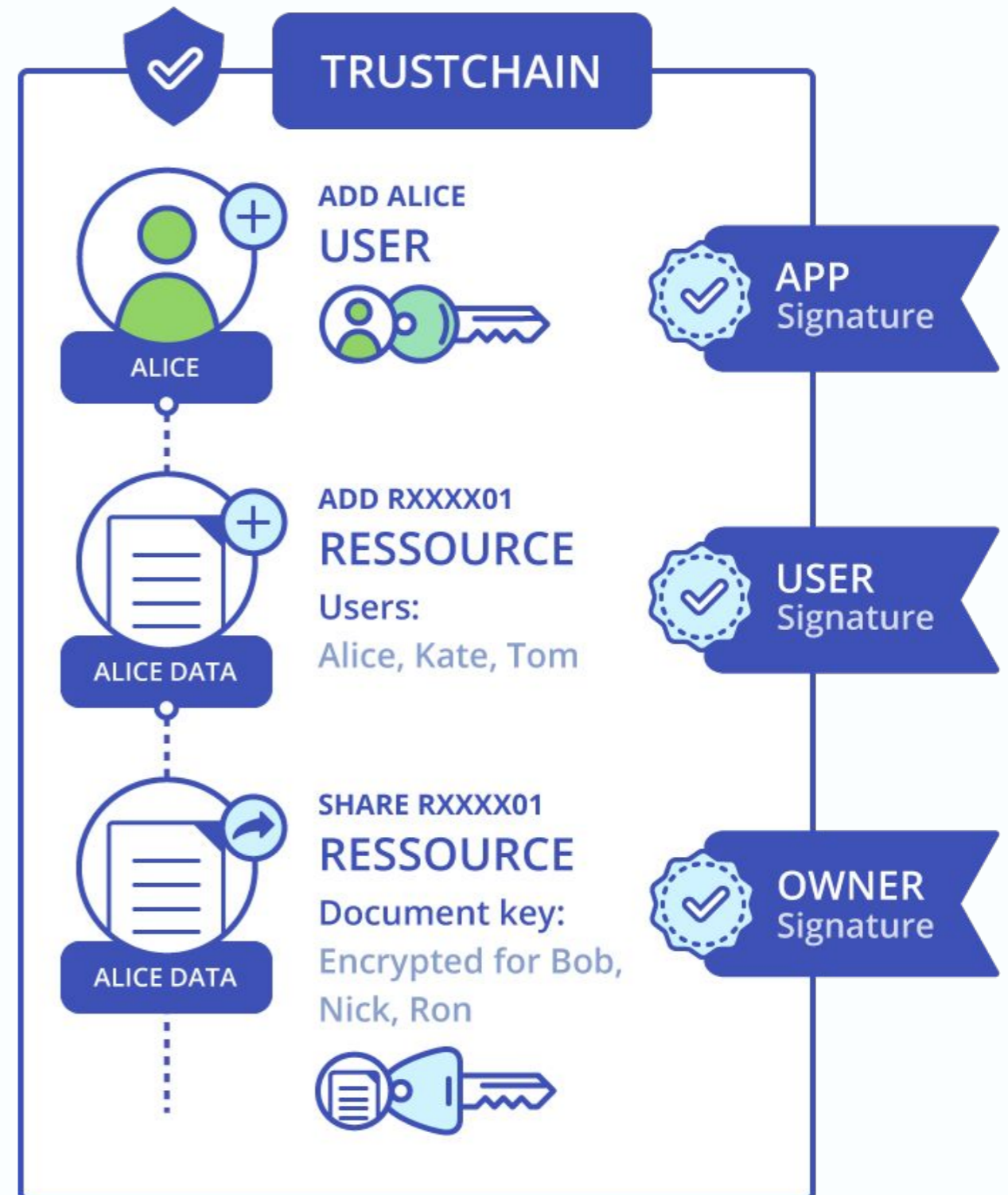
# Features

# Protocol

A blockchain references:

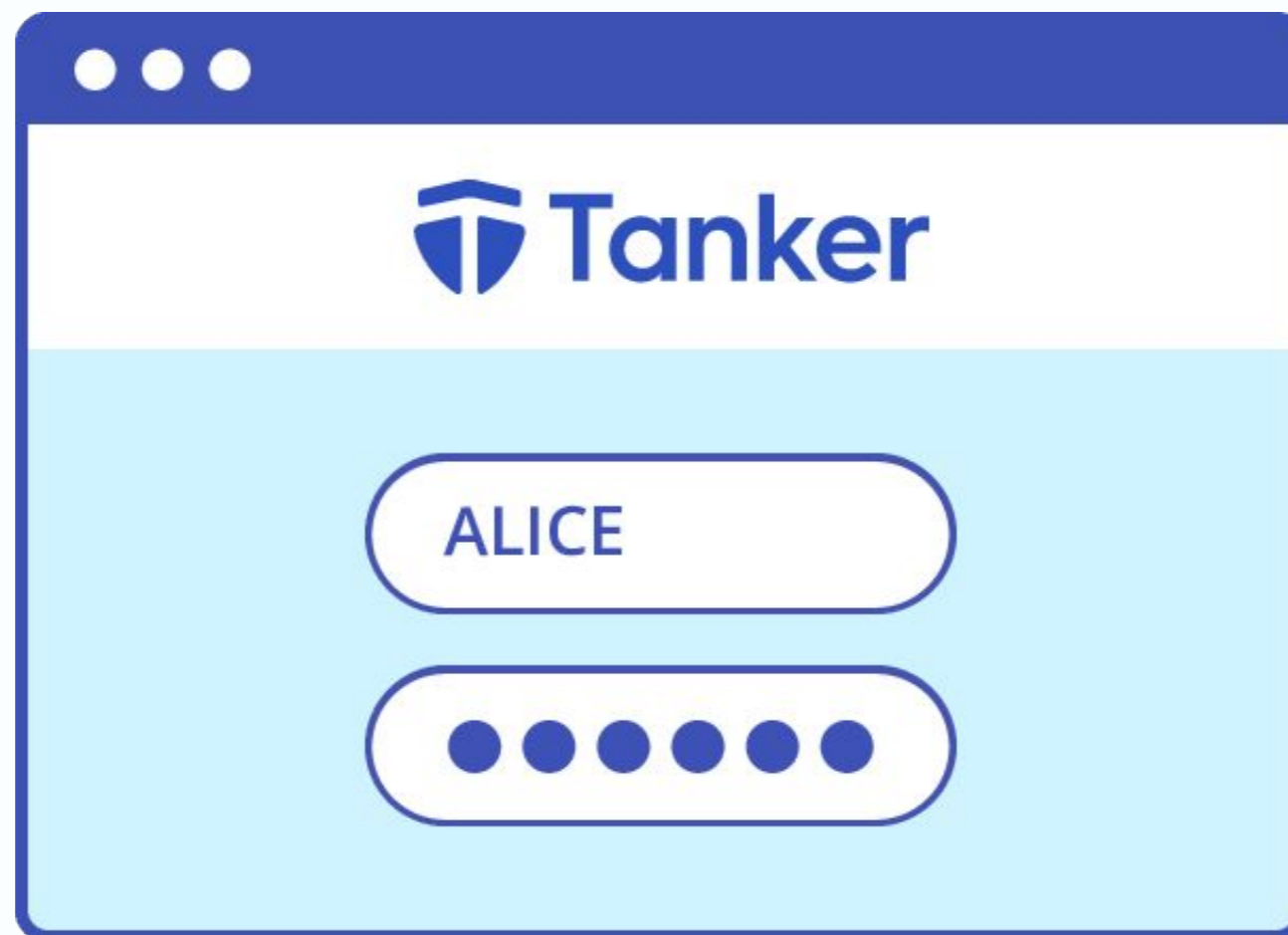
- users' devices
- resources

It is append only





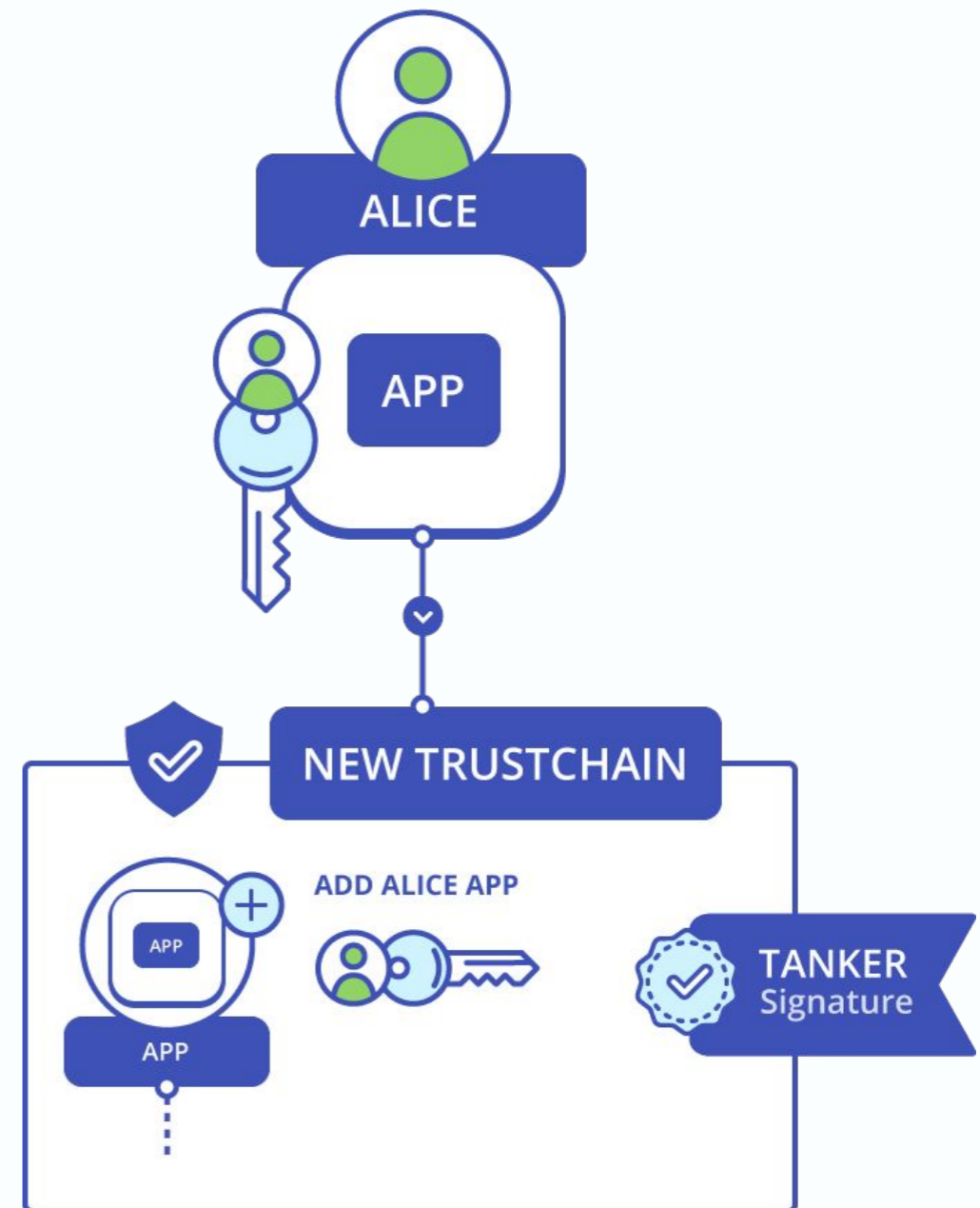
## Register a Trustchain on Tanker's website





A new block is created with the **Application key**

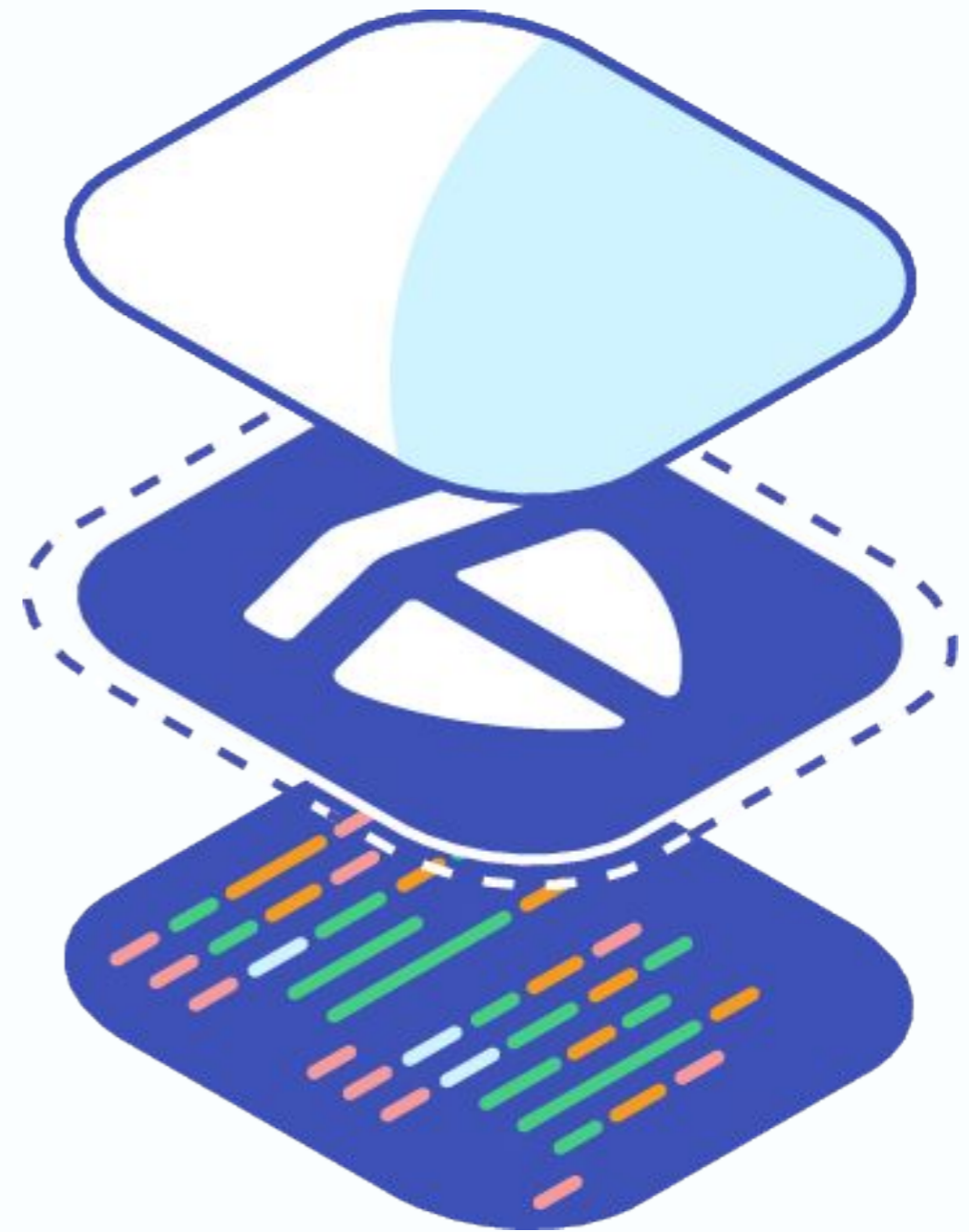
The key will be used to validate new user additions





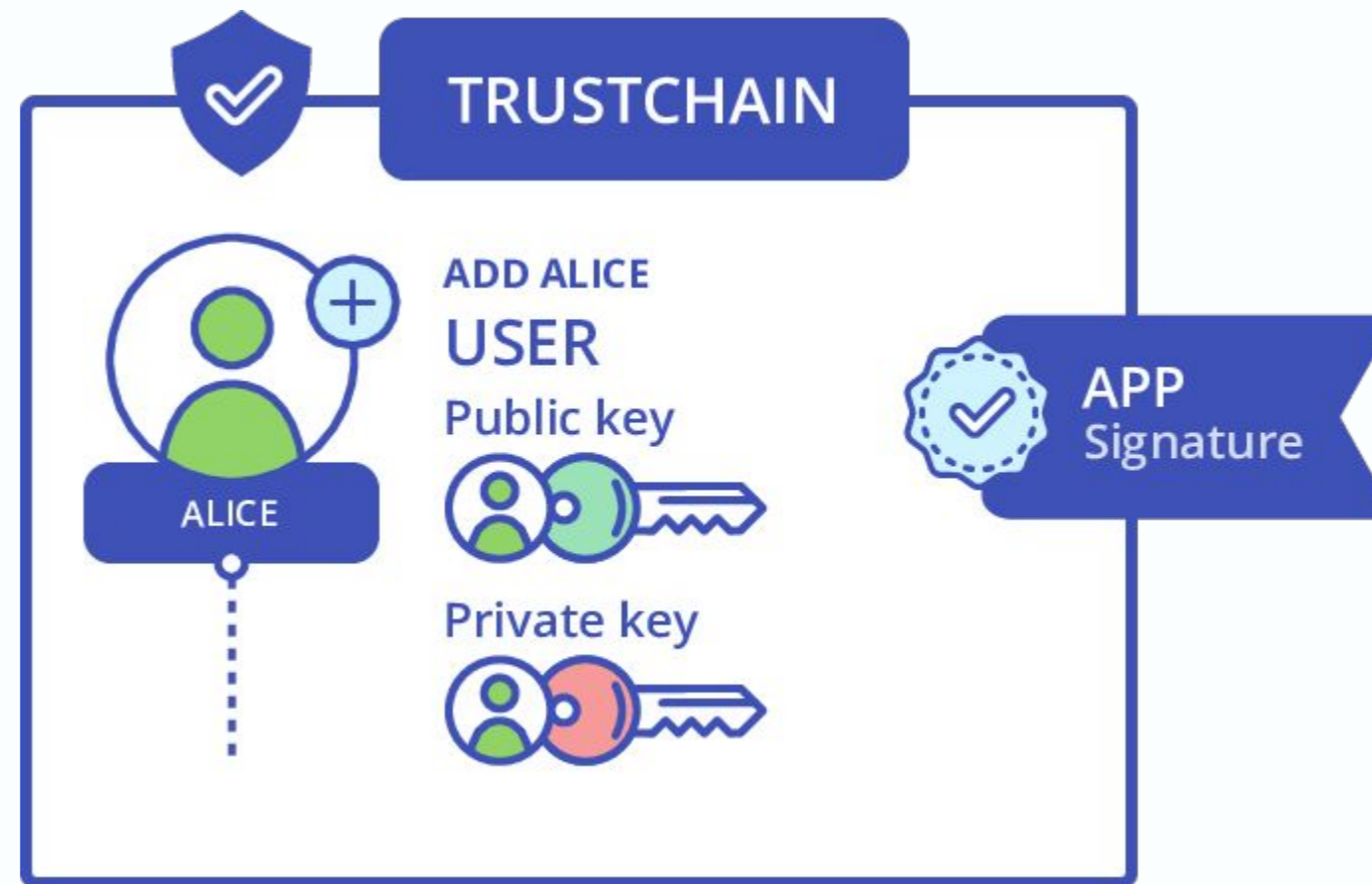


Integrate the  
**SDK** into your  
application



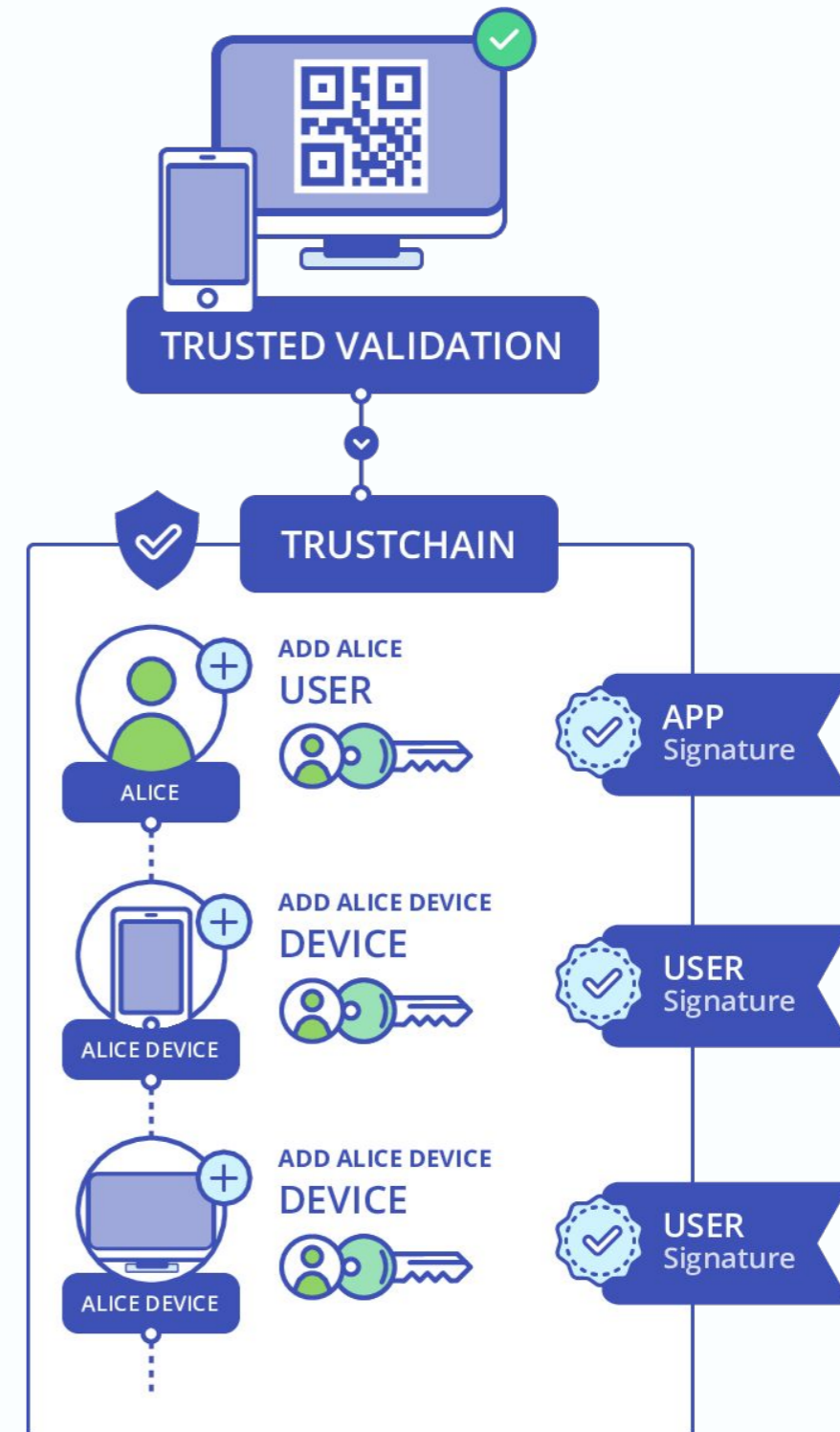


New user additions are signed by the application



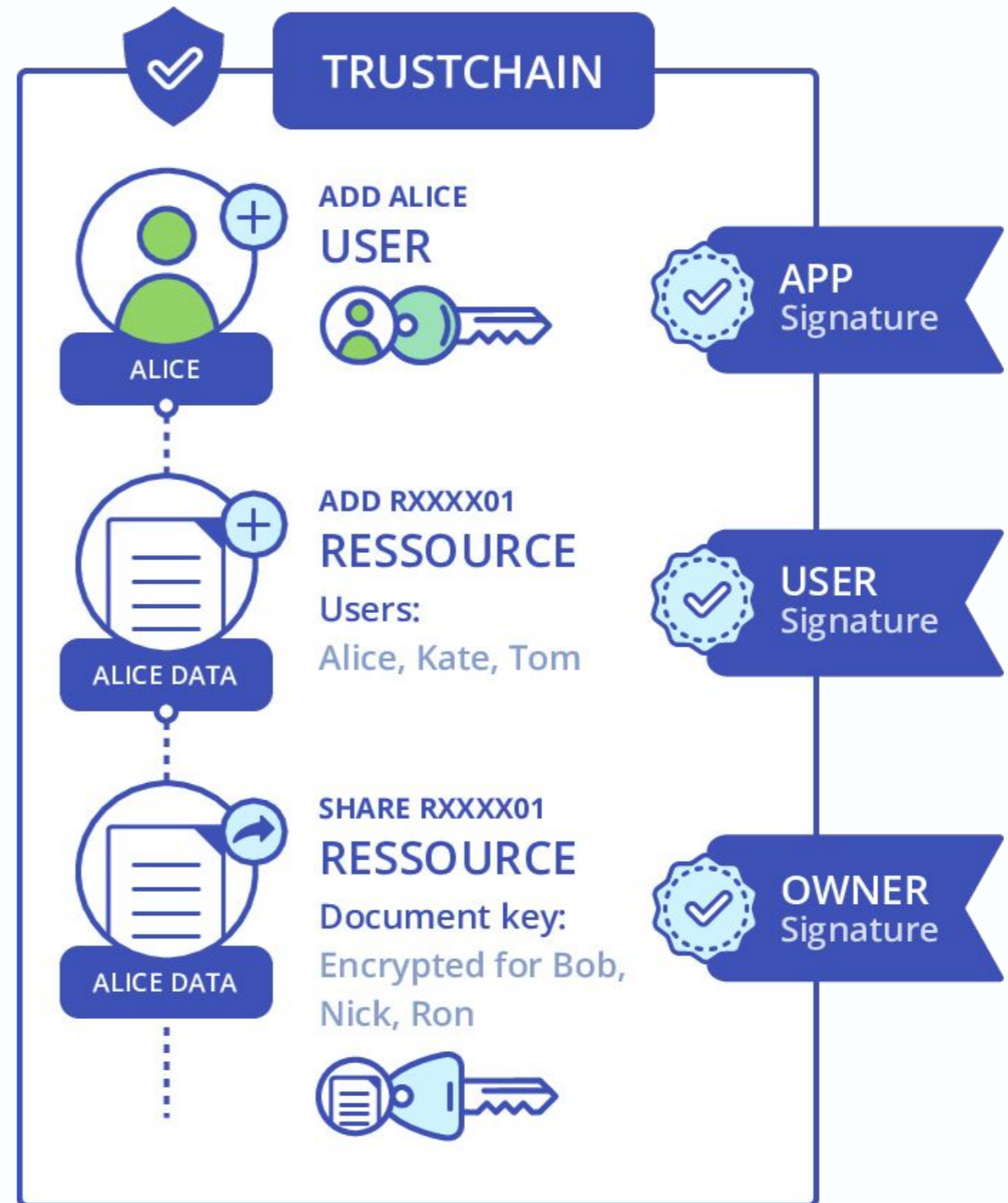


New device additions are signed by another device





Each resource share is logged to the Trustchain





Thank you!



# Questions



# Appendix

