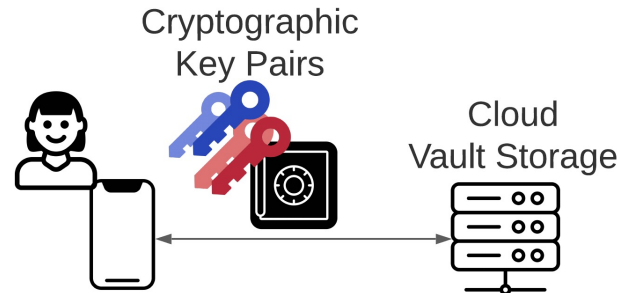


Usable Key Management and Forward Secrecy for Secure Email

Challenge:

Can we make secure user authentication easy to use and easy to deploy?



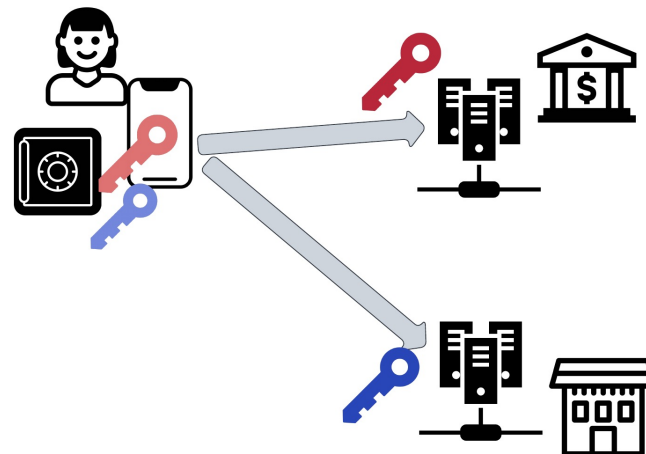
Scientific Impact:

Focusing on usability leads to automating key management and simplifying user interactions.

Solution:

Let's Authenticate

- Replaces passwords when authenticating to websites and apps
- Automated and centralized management of cryptographic credentials
- Simple account recovery when people lose a device



Broader Impact and Broader Participation:

- Easy-to-use method of authenticating to websites and applications that is more secure than passwords
- Eliminates password breaches and phishing
- 34 undergraduate researchers, including 11 from marginalized communities

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