Usable Key Management and Forward Secrecy for Secure Email

Kent Seamons and Daniel Zappala, Brigham Young University





Can we issue certificates to users as easily as Let's Encrypt?

BYU

BRIGHAM YOUNG

UNIVERSITY

Let's Authenticate

Create an account with the CA





Automated issuance of certificates for registration and login

User only needs to know one username and (master) password, for their CA account, approve registration and login



Easy account recovery in case of lost authenticators

authenticator

Register or login to a website



The 4th NSF Secure and Trustworthy Cyberspace Principal Investigator Meeting

October 28-29, 2019 | Alexandria, Virginia