



Technical Approach

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“Getting to Green with E-Authentication”

February 3, 2004

Executive Session

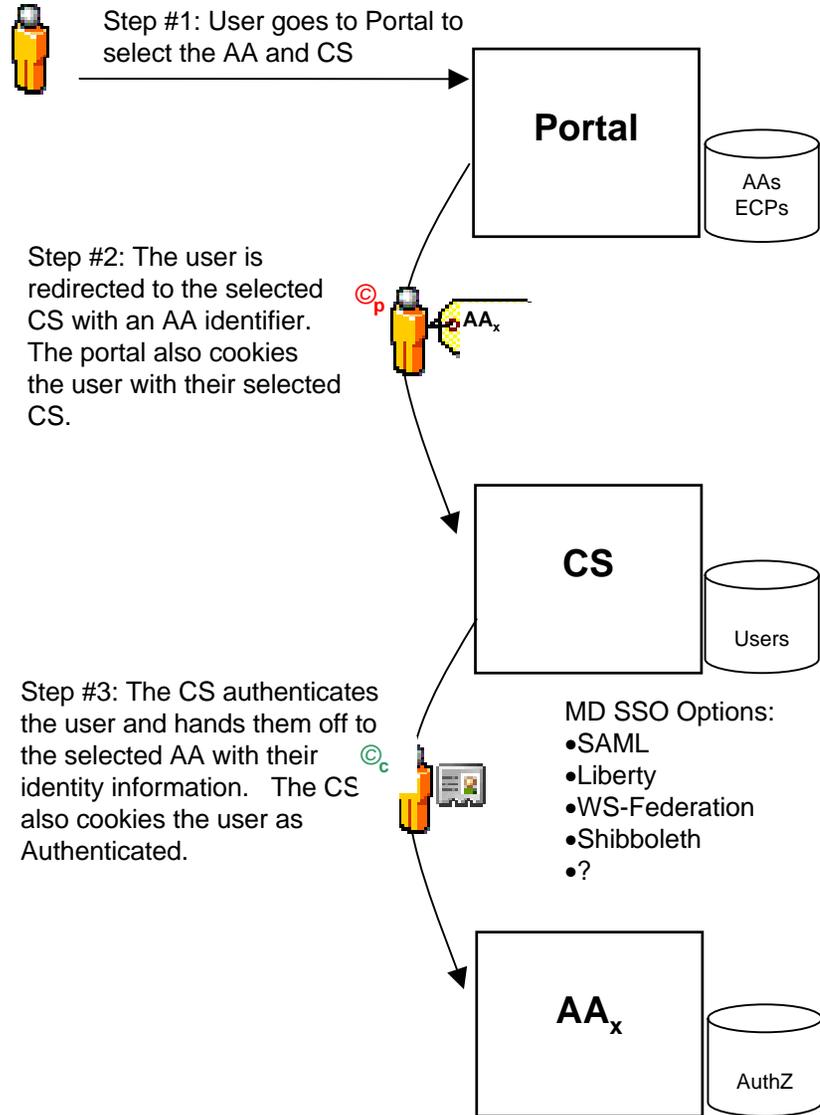
Technical Approach

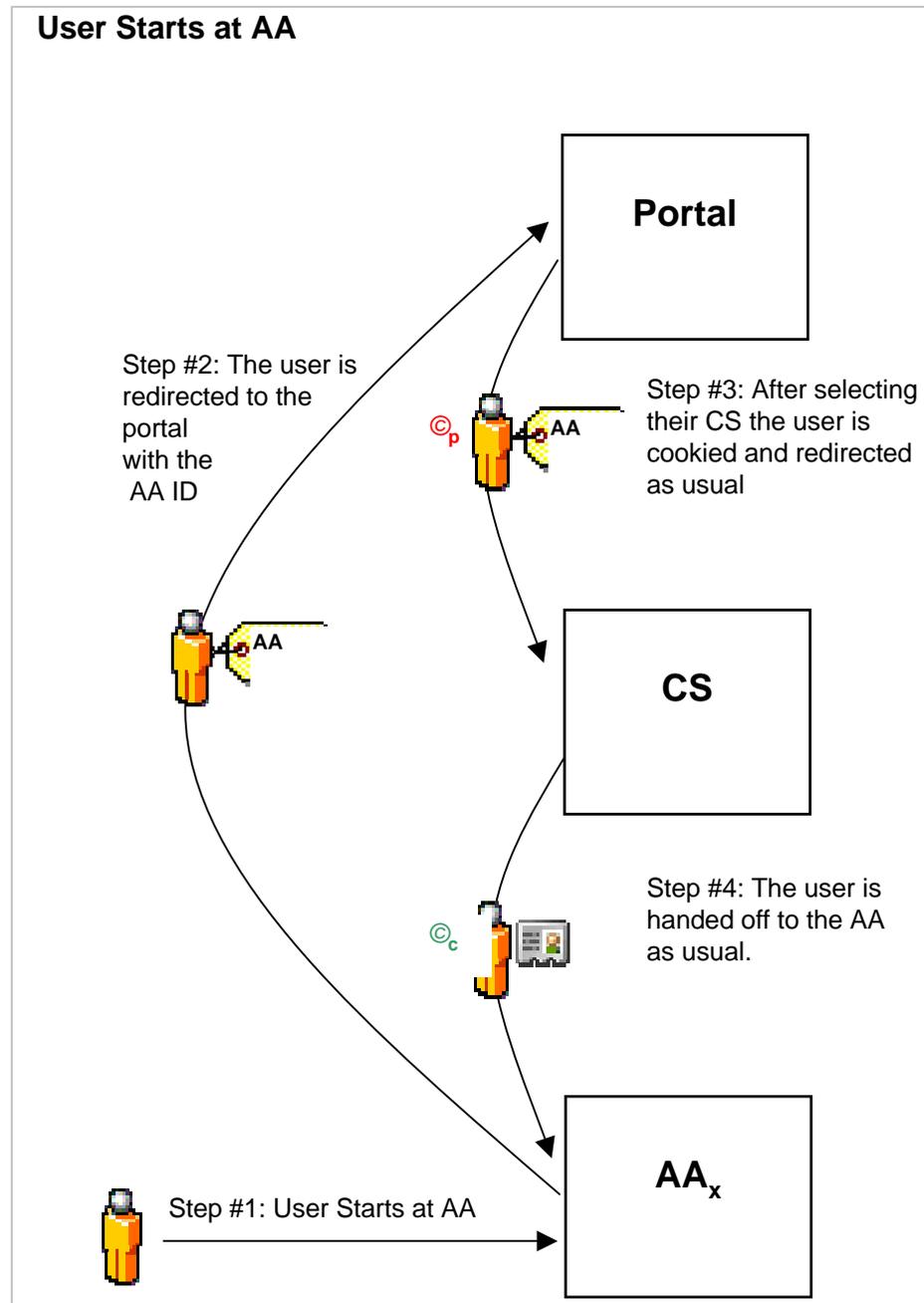
- ◆ Lower Assurance Approach
- ◆ Higher Assurance Approach
- ◆ Where we are today

Lower Assurance Levels

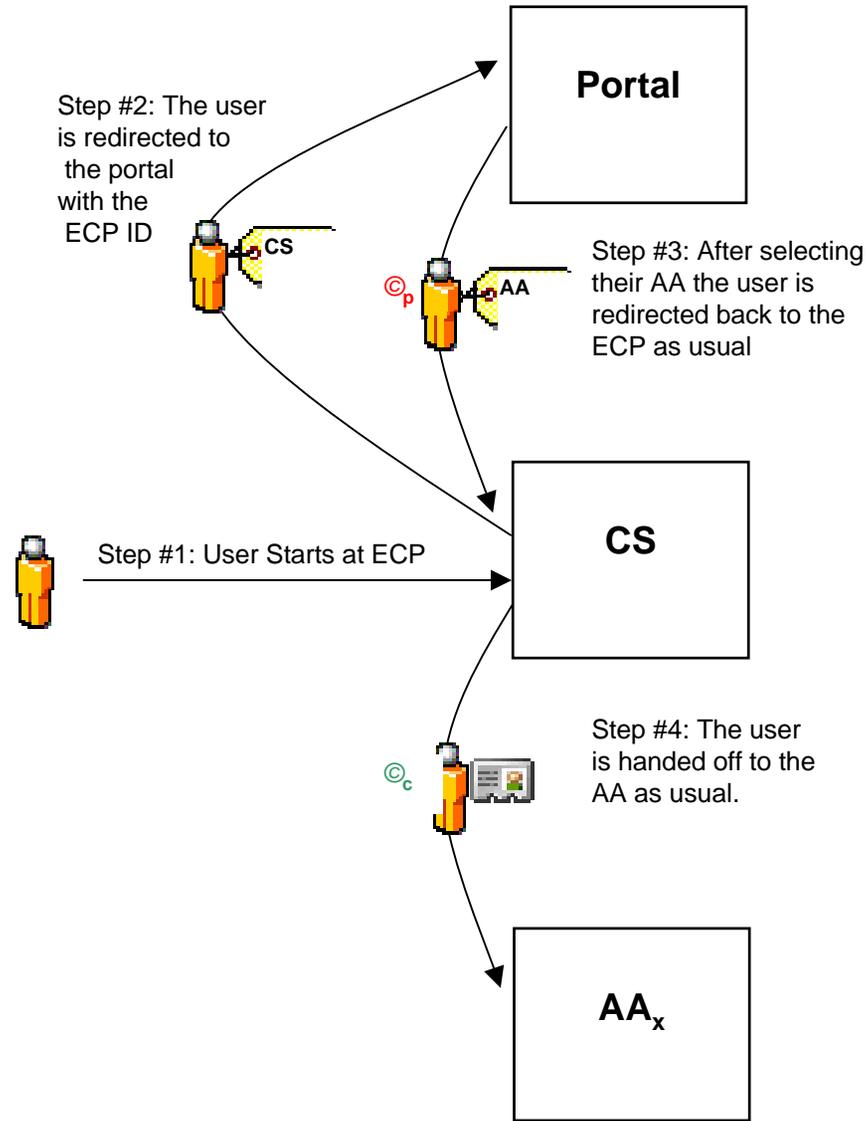
- ◆ PIN & Password

Base Case





User Starts at ECP



Protocol Translator

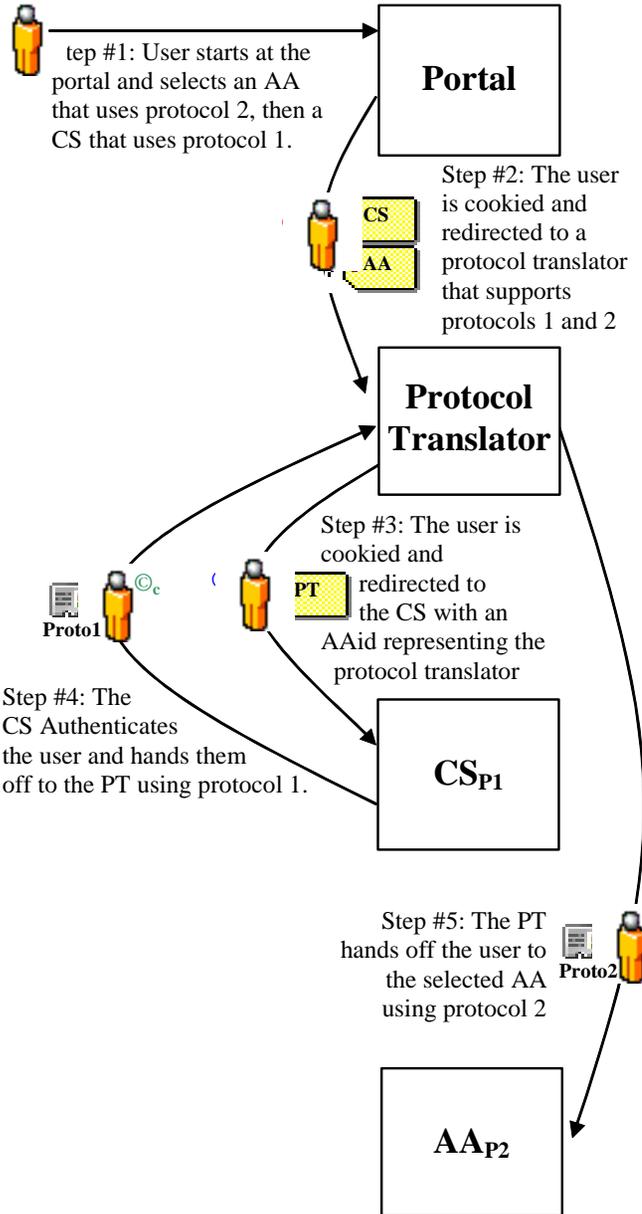
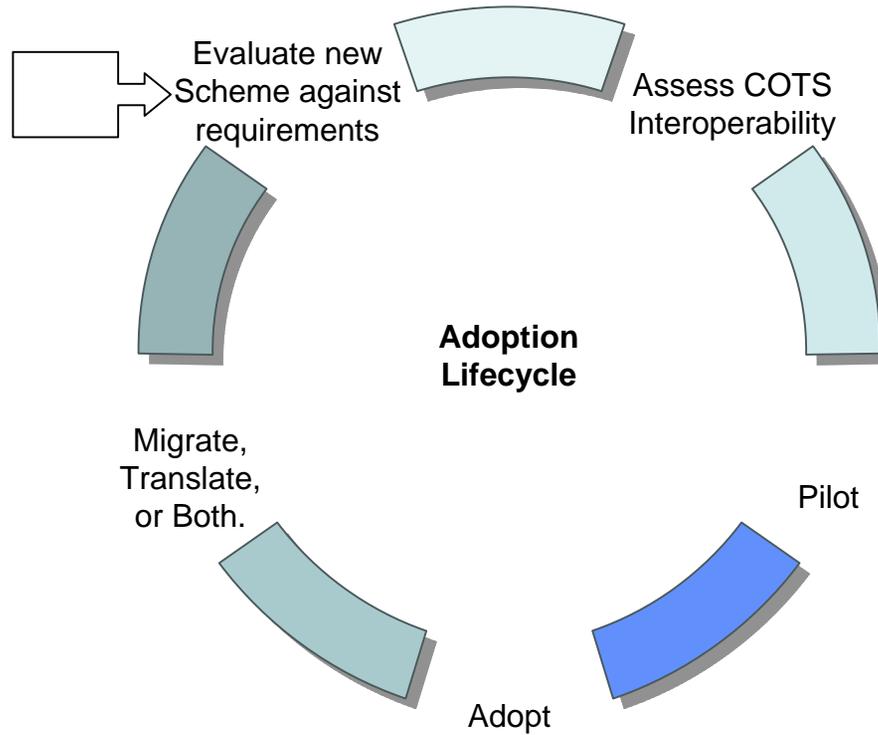


Figure : Scheme Adoption



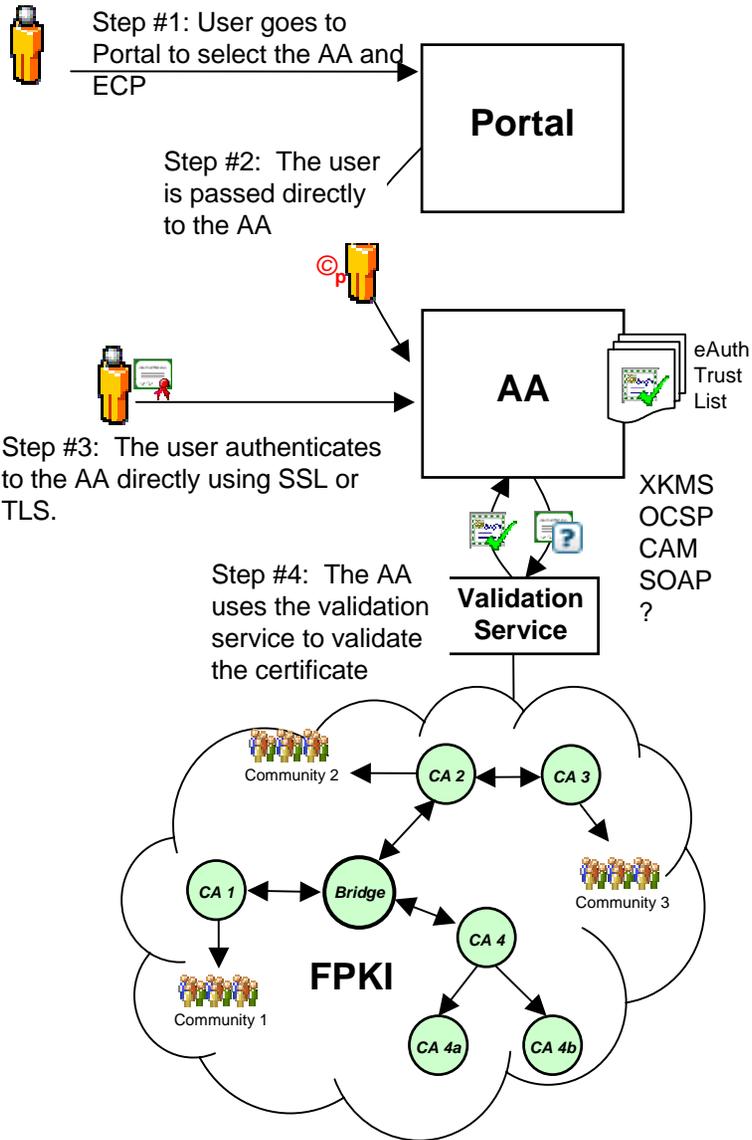
Higher Assurance Levels

◆ Certificate Based Authentication

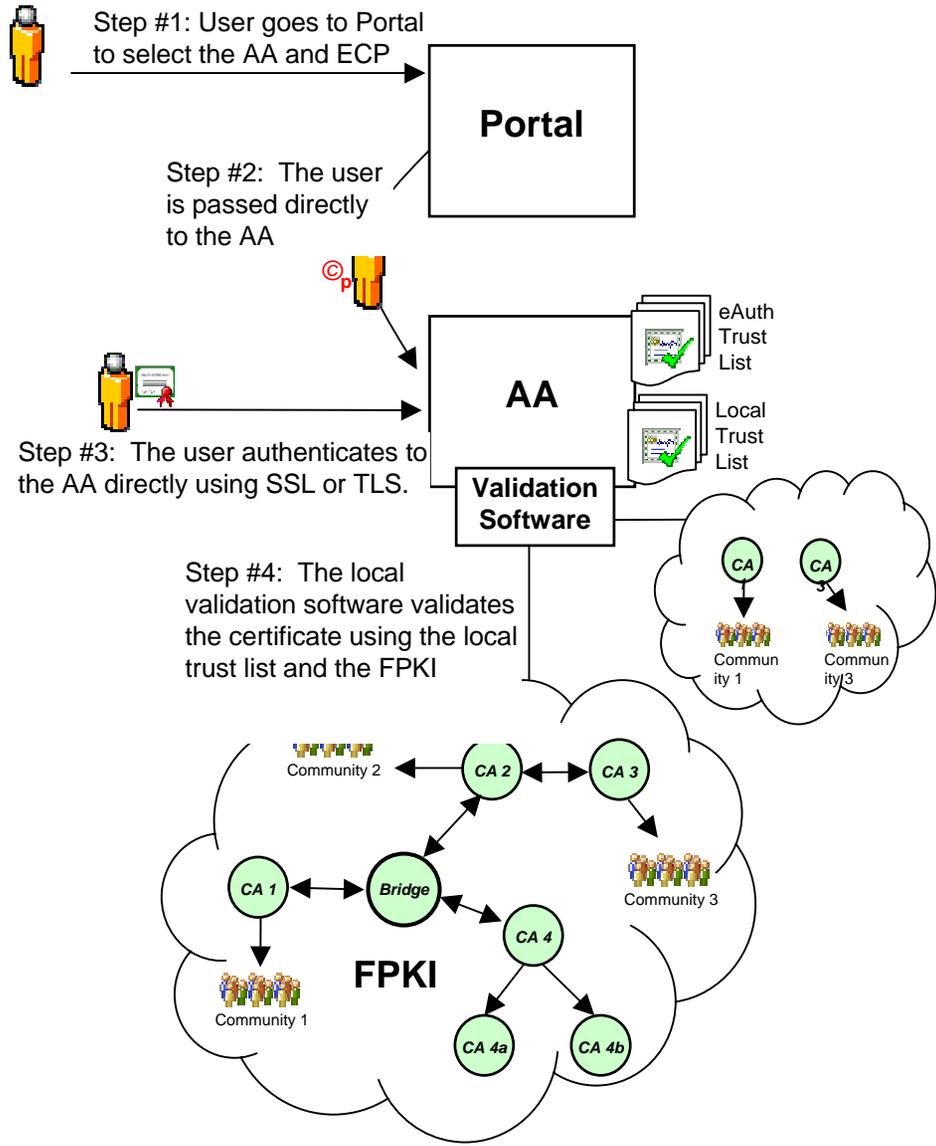
- *“All sensitive data transfers shall be cryptographically authenticated using keys bound to the authentication process” NIST SP800-63*
- Does not require shared secrets

◆ Certificates at lower assurance AAs

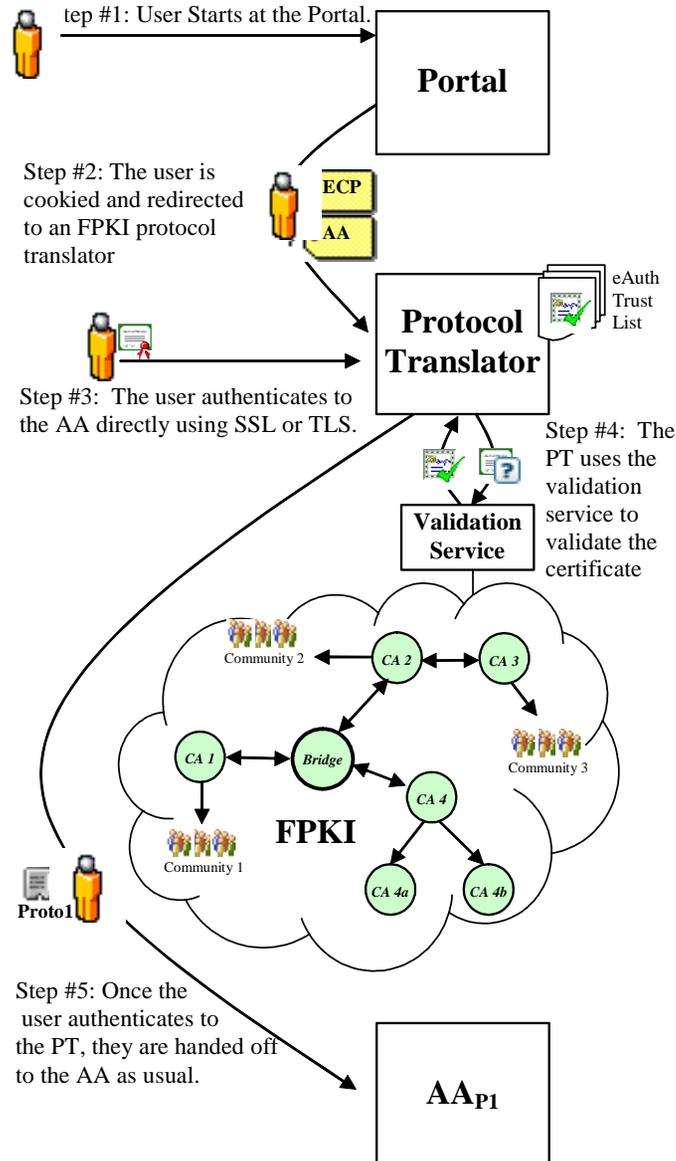
FPKI



FPKI



PKI credentials for low assurance AAs



Where we are today

- ◆ Proof of Concept
- ◆ Interoperability Lab
- ◆ Architecture Working Group
- ◆ Pilots

References

- ◆ eAuthentication Documents
 - <http://www.cio.gov/eauthentication>