

InCert, or some other name...:  
a tool for device-based client cert  
management

# Requirements

- Niche:
  - Aimed at campus; could be operated federated
- Multi-platform, multi-application
  - The usual platforms (Windows, Mac, Android, IOS, Unix)
  - The usual apps (two factor authn, vpn, eduroam, signed email, signed docs, etc)
- Desktop cert management client as well as cert install
- <https://spaces.internet2.edu/download/attachments/24577004/InCommonCertToolv2.pdf>

# Model

- Thin desktop client
  - Accepts plug-ins into basic framework
  - Does cert lifecycle maintenance
  - Client lives inside device security environment
    - Allows enterprise policy enforcement
- Plug-ins for the key apps/uses
  - VPN, two factor, eduroam, signed \*, etc
  - Distributed plug-in development against common basic framework

# Next Steps

- affirm the requirements work for others interested besides the US
- confirm the limited possibilities for alignment with the CAT work being done as part of eduroam
- spec out the skill set needed to do the work, and a rough budget arrange for a multi-NREN-federation maintenance strategy (kinda we'll do IOS and someone will do Android and someone will do windows and...)
- find a developer with the right skill set
- get going...