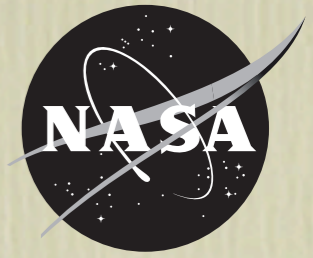


Coordination of Multiple Identity Infrastructures

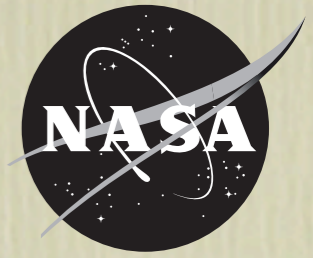
Henry B. Hotz
Jet Propulsion Laboratory

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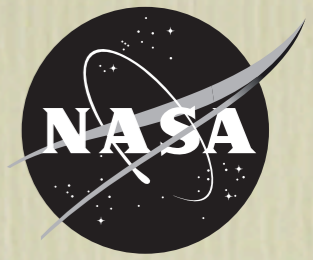
Identity Infrastructures at JPL

- NASA provided
 - Active Directory
 - NOCA (NASA Operational Certificate Authority)
 - email
 - PIV-II Smart Cards
- JPL–Office of the CIO provided
 - Active Directory
 - LDAP
 - Kerberos (sorry, it's Heimdal, not MIT or Sun)
 - SecureID

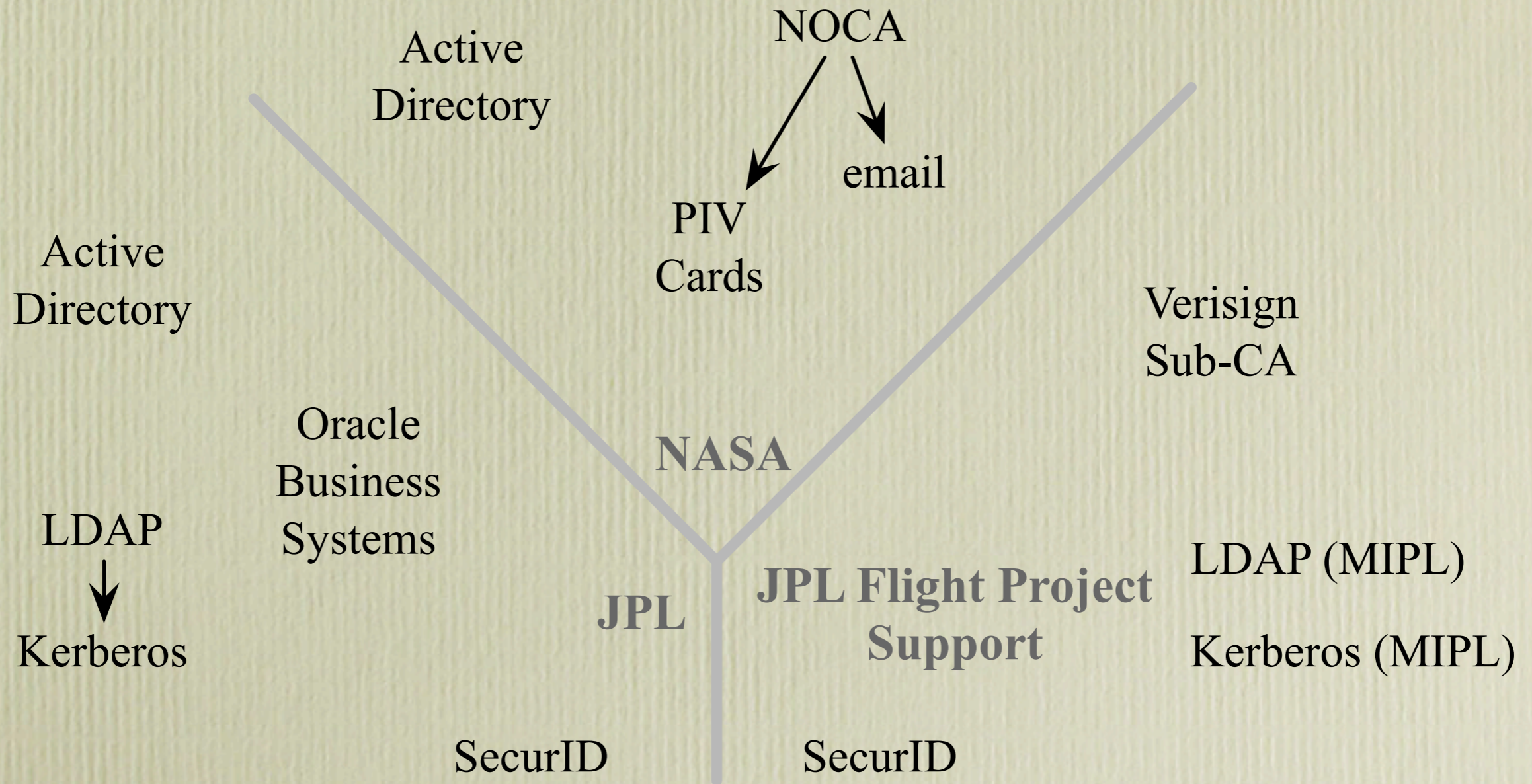


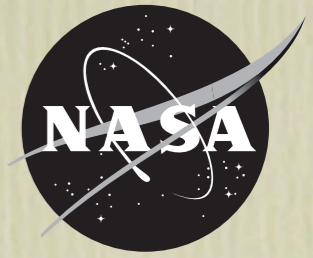
Identity Infrastructures at JPL—Continued

- JPL–Flight Project Support Organizations
 - Verisign sub-CA
 - LDAP
 - Kerberos
 - SecureID



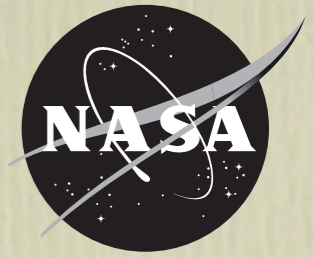
Identity Infrastructures at JPL





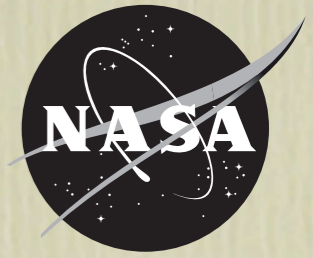
User Base

- NASA
 - JPL and NASA employees and contractors
 - NO foreign nationals!
- JPL – OCIO
 - JPL employees, contractors, and affiliates
 - Sponsored affiliates may be foreign nationals
- JPL – Flight Projects
 - Flight Project customers
 - Includes users implied by international agreements (e. g. Russia)



Synchronization

- Usernames
 - All JPL OCIO Services
 - Verisign Sub-CA
- Passwords
 - JPL OCIO Services, except SecurID
- Email Addresses
 - JPL email with NASA email certificates
- SecurID Tokens
 - JPL OCIO and Flight Project Support



Future

- PKINIT
 - Support for NASA PIV-II Smart Cards (this is definite)
 - Kerberos
 - Active Directory
 - Other card issuers
- KX-509
 - Simplified deployment of X.509 client certificates
- OTP
 - SecurID