

NLIT 2012 Abstract:

Authentication at Fermilab

Designing, operating and maintaining authentication mechanisms to meet diverse needs of a national laboratory user community can be a real challenge. The requirements and challenges for authenticating a user for login on a laptop can vary significantly from those of a user job submission to a grid based analysis farm or an access request to a service in the cloud. Fermilab currently supports authentication mechanisms for user and machine authentication through our Active Directory and MIT Kerberos realms. Application authentication is provided through a kerberized certificate authority and LDAP service depending on the specific requirements. This talk will cover how we securely manage our authentication system and keep them working as designed in our diverse environment.

Proposed Track

Identity and Access Management: Provisioning / Deprovisioning; role Management; Data Security; Entitlement Management; Directory Management (Active Directory / Enterprise Directory)