Kerberos at Sun

- Project Priorities
- Customer Needs
    - External customers
    - Internal (ITOps)
- More Information

Kerberos Projects at Sun

- PKINIT
  - Resync with MIT 1.6.3
  - Update pre-auth plugin to use KMF APIs for keystore flexibility
  - Update pam_krb5 (follow-on project)

Kerberos Projects at Sun

- kclient v2
  - Enhancements to existing kclient script
  - kclient == script for configuring and enrolling a host into an existing KRB5 realm.
    - Eases administrative burden
    - addresses some scalability concerns
  - New features such as:
    - enrolling in AD realm
    - enrolling in non-Solaris/non-AD realms (MIT, Heimdal, Shishi)
    - adding dynamic clients

Kerberos Projects at Sun

- KDC Master Key migration
  - make it possible to migrate to stronger keys without destroying existing DB.

Kerberos Projects at Sun

- post-dated ticket management
  - credential management for long running automated processes and cron/at jobs
- SQLlite KDC backend
- ksu support
  - Solaris historically has not included the ksu utility, but many customers have asked for it.

Top Customer Requests

- Easier integration and interop with AD
  - simple domain joining, and enrollment processes
- Referrals
  - client and server-side
- Administrative Interface Enhancements
  - encryption discovery
  - set password feature
  - service principal naming consistency
  - policy enforcement features
    - n-strikes and you are out, revocation

OpenSolaris

- Kerberos work done in open
  - http://opensolaris.org/os/project/kerberos
- Public mailing lists for questions and feedback
- Bug database can be browsed and updated
  - http://bugs.opensolaris.org
  - category/subcat = solaris/kerberosv5_bundled