

SITE DESCRIPTION AND CONTACTS

3 sites (two active, one backups/disaster recovery) with redundant 10G Fibre Links

Main server OS - Scientific Linux 5.5

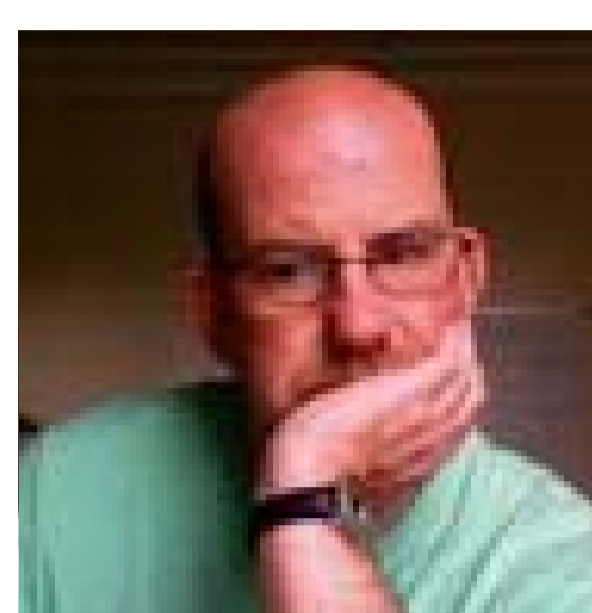
~1000 students

~400 staff

Configuration by locally written LCFG (see www.lcfg.org)

Local roles and entitlements mechanism for authorization

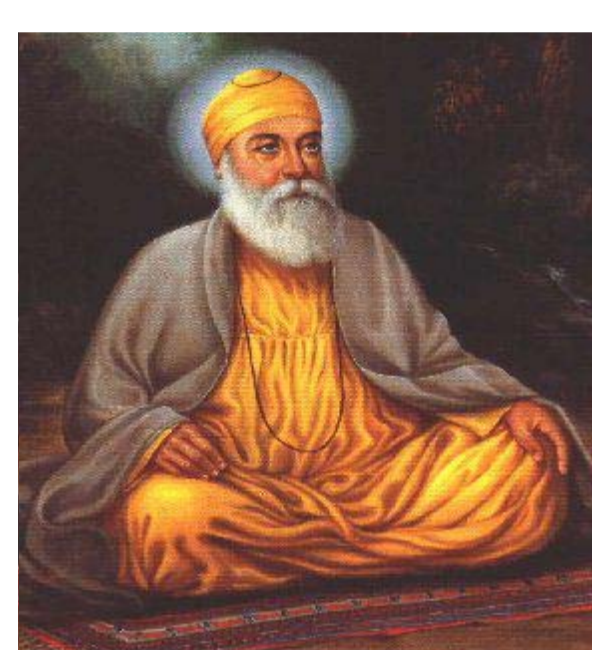
Contacts



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AFS and Kerberos Guru

AFS & KERBEROS INFRASTRUCTURE

AFS

14 file servers, 3 db servers on three sites

Openafs-1.4.12

4600 RW volumes

~17 TB in RW volumes

Underlying file system ext2/3 on FC storage arrays

Web access via locally modified filedrawers

Backups via Teradactyl True Incremental Backup System

~1000 clients - Linux (SL5, Fedora 13), Windows, MacOS

Kerberos

1 master, 3 slaves/AFS db servers

MIT Kerberos 1.6.1

Service principals generated and distributed via LCFG

CURRENT USAGE

AFS

Home directories

Research data

Web pages

Software packages

Kerberos

Main authentication mechanism

iFriend - lightweight accounts

Cosign Friend, backed by separate KDC, usable by non-web applications

PROJECTS

PROMETHEUS:

Automation of all aspects of account management based on OpenLDAP - initial deployment Aug 2010

(Kerberos user principals, AFS PTS user entries, home volume creation and user LDAP entries).
More to come....!

