



CAIS Centralization

Update and Conversion Information

RS Information Systems

March 17, 2004

Status

- Pilot testing completed
- No network or server performance issues found during testing
- CAIS 5.0 baseline works exactly like CAIS 4.1
- Ready to convert the three pilot test sites: NTS, ORNL, and Y-12

Networking

- Two options for connecting
- Firewall rules
 - ◆ Require static IP address
 - ◆ Controlled by HQ/site networking groups
 - ◆ Need rules to get out of your site firewall
 - ◆ Need rules to get into DOE Headquarters
 - ◆ Turnaround time at HQ is about 1 week from receipt of change request

Networking (continued)

- DOE Headquarters Virtual Private Network (VPN)
 - ◆ Requires separate login
 - ◆ Works for dynamic IP's
 - ◆ Joins you to the DOE Headquarters network
 - ◆ May still need outbound firewall rules, if your site blocks VPN ports
 - ◆ More information at <http://cio-ops.doe.gov>
- All of this will go away when we move to the web!!!

Oracle Client

- All sites use Oracle Client (version 8i Release 3 or higher) to connect to CAIS
- Add Oracle Advanced Security Option (ASO) to support encryption
- Decide whether to use Oracle 8i or 9i
 - ◆ Use 9i if you are **not** connecting to other Oracle databases older than version 8i Release 3
 - ◆ If using CAIS and FIMS on same machine, you need Oracle 8i Client (FIMS is Oracle 7)

ODBC Connections

- Used for custom reports (MS Access) and web links to data
- Requires Oracle 9i ODBC drivers
 - ◆ Installed automatically if using Oracle 9i Client
 - ◆ Can be installed with earlier Oracle Client versions
- Easy to convert existing custom reports
 - ◆ Point ODBC connection to new database
 - ◆ Change table names to be prefixed with 'CAIS' instead of 'CAIS_ADMIN'

Backup and Recovery

- Nightly backups (Oracle exports) performed
- 3 most recent exports are saved
- RSIS can do exports at any time
- Full server tape backups are performed weekly (stored offsite)
- AHE supports 99%+ uptime
- Will be purchasing “backup” server

Schedule

- Goal is to convert the 14 “centralization sites” by June 30
- Deal with LLNL and LANL separately
- Deal with new users (ANL-West, Sandia?) separately
- Convert 3 pilot sites + 1 other site by April 30
- Centralization information package will be sent out by April 2

Questions to Ask

- Are you part of the DOE Corporate network?
- Do you have a static or dynamic IP address?
- Does your site firewall block outbound connections?
- If using VPN, does your site block VPN ports?
- Do you use any other Oracle-based applications (including FIMS)?
- What version of Oracle Client are you using?
- Is Oracle Client installed on your workstation?