

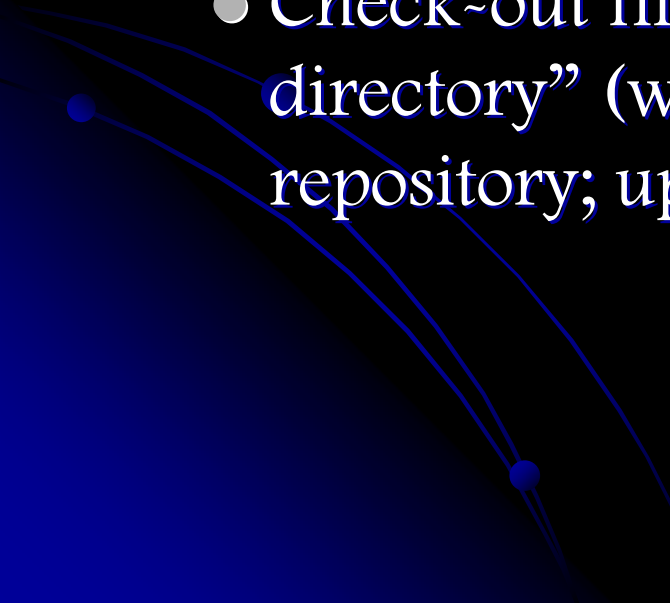
Source Code Version Management and Configuration Control

Art Amezcua

Status 11/5/2007



Version Management and Configuration Control

- CVS – Concurrent Versions System
 - Tracks versions of files
 - Allows multiple users
 - Files stored in “repository” on CVS server
 - Check-out files from repository into “working directory” (wd); edit wd files; commit changes to repository; update files in wd
- 

Version Management and Configuration Control

- **JSOC** repository – make and base configuration files
 - **base** – application sources, library sources, scripts, documentation (including man pages)
 - **build** – icc/gcc wrappers
 - **proj** – application sources, library sources, scripts, documentation (including man pages)
 - **projconf**
 - **su** – Stanford-specific configuration
 - **ex** – external configuration
 - **scripts, man, libs, bin** – links to base and proj scripts, man pages, libraries, executables
 - **<platform>** – built platform-specific binaries

Version Management and Configuration Control

- Checking out systems
 - Base system: “cvs checkout DRMS”
 - Full JSOC system: “cvs checkout JSOC”
 - “cvs export DRMS” (tarball)
 - configure
- Status
 - Repository structure final/stable
 - Source for JSOC’s active SUMS resides in “old” repository, “new” repository not tested
 - New repository SUMS needs minor ‘make’ and source changes prior to external distribution, plus testing