CVS on PDB Backup

- Physics Databases have a `db4lcg` CVS repository created on CERN Central CVS Service
- There is a passwordless access to the CVS already configured on pdb-backup machines
- There are already several projects imported into CVS:
  - ◆ `3dmon` - 3D monitoring php pages (Streams monitoring, interventions, etc.)
  - ◆ `backup5` - currently including all backup scripts used by Physics Databases
  - ◆ `inventory` - new Java based hardware inventory
  - ◆ `production` - all production scripts used by the service
  - ◆ `rac_mon` - RACMon python scripts and configs
  - ◆ `racsec` - RAC security project
  - ◆ `streams` - all streams related scripts
  - ◆ `strmmon` - Streams monitoring daemon
  - ◆ ==

Tutorial

- to **update** a project from CVS (synchronize CVS changes to disk) use the **update** command:
  - ◆ goto any CVS directory on disk and run cvs update:

    ```
    cd ~/strmmon
    cvs update
    ```
  - ◆ this will update `strmmon` directory (and subdirectories) by fetching all the changes from CVS

- to **add** new directories or files into a project use the **add** command:
  - ◆ goto any CVS directory on disk and run cvs add ...:

    ```
    cd ~/strmmon
    cvs add new_dir
    cvs add new_dir/new_file1 new_dir/new_file2
    ```
  - ◆ **IMPORTANT** - this will just **schedule** addition of `new_file1` and `new_file2` and `new_dir`, please use `cvs commit` to finalize it (see below)

- to **commit** a modified project into CVS (synchronize disk changes to CVS) use the **commit** command:
  - ◆ goto any CVS directory on disk and run cvs commit:

    ```
    cd ~/streams/ATLAS
    cvs commit
    ```
  - ◆ this will commit any changes done in `ATLAS` directory of streams project into CVS

- to **get** a project from CVS into a new directory (or machine) use the **checkout** (**co**) command:
  - ◆ goto the base directory, where you want to checkout the project and run cvs checkout:

    ```
    cd ~/my_directory
    cvs co production
    ```
  - ◆ this will create `production` directory and will checkout `production` project (including subdirectories) from CVS

- to **import** a new project into CVS use the **import** command (this has already been done for most of our projects):
    - ♦ goto the directory to be imported and run cvs import:

        ```
        cd /backup5
        cvs import -m "Initial import" -I ! -I "*.log*" -I "*.dmp*" backup5 PhyDB start
        ```
    - ♦ `backup5` will be the new project name
    - ♦ use several `-I` options to exclude specific files from the import

This topic: PSSGroup > CVSOnPDBBackup
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