Pilot Packaging and Modules

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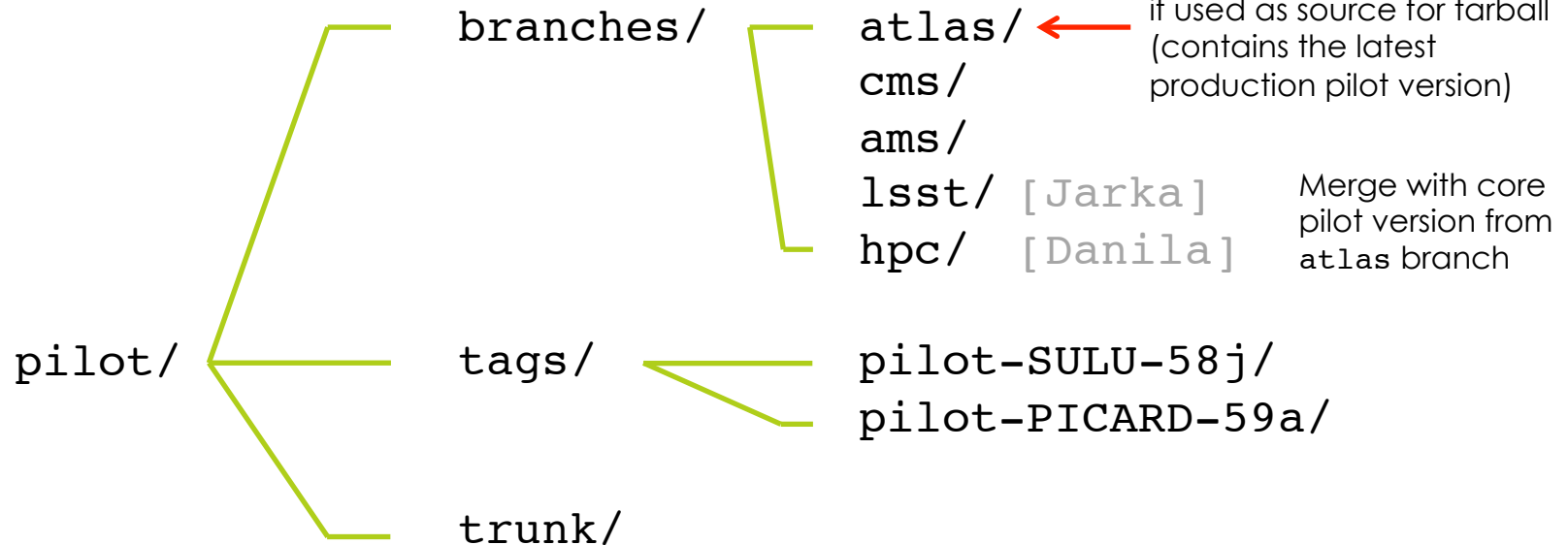
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Regarding WP-1

- No recent major changes - core pilot refactored to a generic (non-experiment-specific) version well over a year ago
  - Experiments ("PanDA adopters") are handled as plug-ins
  - A new adopter creates their own pilot modules – currently [Name]Experiment.py and [Name]SiteInformation.py
  - Documentation and How-to guide: https://twiki.cern.ch/twiki/bin/view/AtlasComputing/GenericPanDAPilot
  - Also thoroughly described in CHEP 2013 proceedings (poster and paper on PanDA wiki)

- Nevertheless, it's ongoing work ..
  - New adopters will have additional requests (LSST has at least one, work in progress)
  - Will have discussions with Jhen-Wei (Taiwan) later this month regarding plug-in for AMS/Taiwan PanDA

New SVN structure

- Current plan after discussions with Jarka
  - Abandon old `pilot3` SVN directory after release of pilot version 59a ("glExec version") and redirect old cron job for pilot tarball creation
  - New suggested [std] SVN structure

```
                    branches/ ─── atlas/  ←──── Not used for development
                                  cms/            if used as source for tarball
                                  ams/            (contains the latest
                                  lsst/ [Jarka]   production pilot version)
                                  hpc/  [Danila]
                                                  Merge with core
                                                  pilot version from
                                                  atlas branch
  pilot/ ─── tags/ ─── pilot-SULU-58j/
                       pilot-PICARD-59a/

             trunk/
```

  - Pre-release core pilot development in `trunk`, when ready merge with `atlas` branch, create tag (`pilot-PICARD-NNa`) for future reference, cron job for ATLAS creates pilot tarball from `atlas` branch
    - Alternatively, create pilot tarball from latest tag (only official tags then)