virgoDev to virgoStating proposal

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1 Issues

The use of virgoDev as a shared place for software development has a number of issues: it is a place were it's not easy to do some cleanup, as packages may depend on an old compiled version, and a library used by a package may be modified by another developper and cause strange behaviours which are hard to track.

2 Proposal

We should remove virgoDev and let the user work on their packages in their home directory.

As virgoDev is also used for the validation of a line of packages, we would have a virgoStaging area, were no development occurs, only containing released versions (properly tagged). virgoStaging differs from virgoDev as it would not be allowed to do anything on a package except installation/removal, using an automation script.

As usual, virgoApp would only have validated packages, still installed by the software manager.

3 Workflow

Here is the new workflow, with CMTPATH set to `/virgoApp:/virgoStaging:~/virgo`:

- Creation a new working copy of a package in user/virgo (scvsModify).

- Work on this copy, with the possibiliy to run applications from here for short tests (i.e. no Cl configuration with link to application in user home directory).

- When tests pass, creation of a new version (scvsArchive).

- Automated installation in /virgoStaging (scvsStagingInstall), for longer tests. The installation script expects a standard "cmt config ; make" procedure.

- If the package has issues, it can be removed from virgoStaging (scvsStagingRemove).

- When the new version is validated, a virgoApp installation request is issued to the release manager.