

Proposal for improvement of Svn Tools

Marco Corvo - XI SuperB workshop

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- create a private working area based on a given software release
- add specific packages to a private working area
- create *tags* or *usertags*
- switch to different Subversion directories
- print some useful info about packages

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- most of the functions are re-written several times
- interaction with Subversion is made through *system* calls and not api.
- there are doubles of scripts, like e.g. **newrel** and **sbnewrel**
- IMHO looks like they've been written just as needs rose, that is without a coherent view of the functionalities

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- provide a full interface to Subversion functionalities
- be well organized
- be factorized

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- This is why I tried to look at python APIs. I personally have no strong enough technical arguments against perl, but in general I feel more comfortable with python.
- Another argument is that we are trying to evaluate a new build system for SuperB, that is SCons, and SCons is a python tool. This would push in the direction of a limited number of languages used for software development.

cont'd

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- a clear specification of the user interface
- the possibility to add new functionalities in a straight forward way reusing existing modules
- e redefinition of the interaction of scripts with Subversion which can minimize the client-server communication

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These simple considerations came out just with a 'almost blind' usage of Svn Tools so an extensive experience of many users could help finding out other improvements and use case definitions.