LCLS How-to Branch a Release

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The following instructions describe how to use CVS branching for releasing. These instuctions were taken from an email by Till Straumann.

Let's say you have a release (tag Vacuum-R4-1-0) in production. Then you discover a bug which is fixed on the HEAD

1. Create a patch (**.diff file**) which fixes the bug.
2. Create a branch of production release: cvs rtag -b -r Vacuum-R4-1-0 Vacuum-R4-1-0-BRANCH Vacuum
3. Update or checkout branch into the directory devl: cvs co -r Vacuum-R4-1-0-BRANCH -d devl Vacuum
4. Apply the patch from step 1, resolve any failures or conflicts.
5. Compile and tag
6. Commit: cvs commit
7. Tag appending "Pn" to the tag from which you branched, where N is the patch number starting at 0: cvs tag Vacuum-R4-1-0-P0
8. Update or checkout new patch level release
9. Compile and install
10. Repeat above steps for all releases/patches that are in production. Please note that for multiple patches of the same branch, you will need to check out the branch, which will not have sticky tags. The branch will have all patch changes.