

Release checklist for Obnam

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1 Release checklist for Obnam

Follow these steps to make a release of Obnam.

1. Create a `release` branch.
 - `git checkout -b release`
2. Update dependencies for the crate, and make any needed changes.
 - `cargo outdated -R`
 - `cargo update`
 - `cargo deny check`
3. Review changes in the crate (`git log vX.Y.Y..`). Update the `NEWS.md` file with any changes that users of Obnam need to be aware of.
4. Update the crate's `Cargo.toml` with the appropriate version number for the new release, following semantic versioning¹.
5. Update `debian/changelog` with a summary of any changes to the Debian packaging (it's not necessary to repeat `NEWS.md` here). Use the `dch` command to edit the file to get the format right, since it's quite finicky.
 - `dch -v X.Y.Z-1 "New release."`
 - `dch "Changed this thing: foo."`
 - `dch -r ""`
6. Make sure everything still works.
 - `./check`
7. Update `Cargo.lock` after version change.
 - `cargo update`
8. Commit any changes.
9. Run `cargo publish --dry-run` and fix any problems.
10. Push to `gitlab.com` and create a merge request.

¹<https://semver.org/>

11. Wait for GitLab CI to test the changes successfully. Fix any problems it finds.

After the above changes have been merged, do the following steps. You need to have sufficient access to both the `gitlab.com` project and the `git.liw.fi` project. Currently that means only Lars can do this. These steps can hopefully be automated in the future.

1. Pull down the above changes from GitLab.
2. Create a signed, annotated git tag `vX.Y.Z` for version `X.Y.Z` for the release commit
 - `git tag -sam "Obnam version X.Y.Z" vX.Y.Z`
3. Push tags to `gitlab.com` and `git.liw.fi` (substitute whatever names you use for the remotes):
 - `git push --tags gitlab`
 - `git push --tags origin`
4. Wait for Lars's Ick CI to build the release.
5. Publish Obnam crate to `crates.io`:
 - `cargo publish`
6. Announce new release:
 - `obnam.org` blog, possibly other blogs
 - `#obnam` IRC channel
 - Obnam room on Matrix
 - social media