

More practical software freedom for Debian's downstreams

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A brief philosophical digression

Freedom

Justice and ethics

[*The Idea of Justice*
by Amartya Sen
and of course many others' writings]

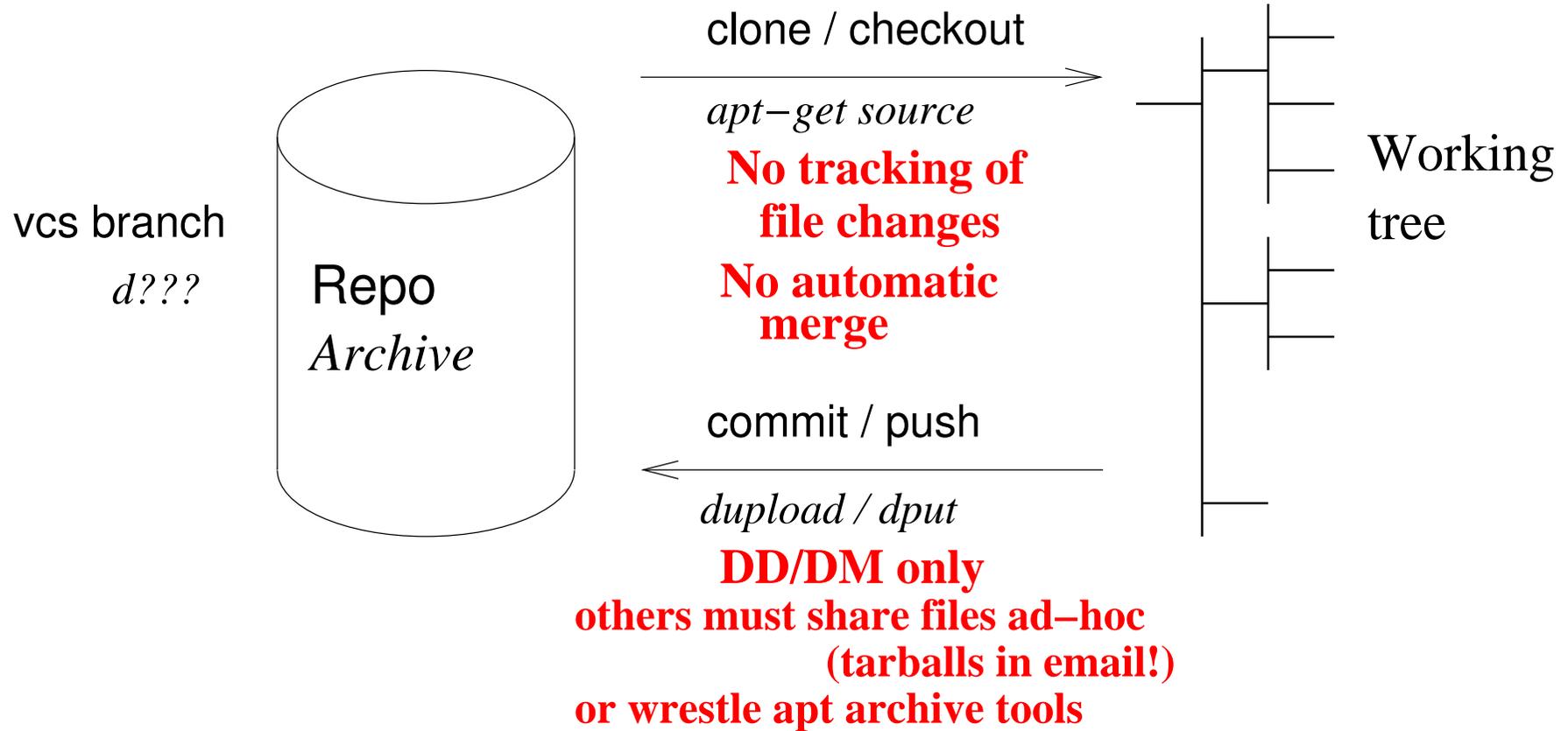
Practical capacity* of actual people

* capacity ~ ability to do whatever

Ingredients of software freedom

source code legal rights	FSF 4 freedoms DFSG GPL enforcement – SF Conservancy
skills	Outreach programmes Education Wider social justice campaigns
hardware	Libre phone projects Anti-DRM campaigns Open Hardware
understanding of the program stability of its source etc.	Upstream author approach is critical
tools as capable as upstream's even when used by a downstream	<i>Free Software Needs Free Tools</i> – Benjamin Mako Hill Distributed VCS Distro tooling apt-get dg it

Problem



version control
vs
Debian archive

NAME

dggit – git integration with the Debian archive

SYNOPSIS

dggit [*dggit-opts*] **clone** [*dggit-opts*] *package* [*suite*] [*.dir*/*dir*]
dggit [*dggit-opts*] **fetch|pull** [*dggit-opts*] [*suite*]
dggit [*dggit-opts*] **build|sbuild|build-source** [*build-opts*]
dggit [*dggit-opts*] **push** [*dggit-opts*] [*suite*]
dggit [*dggit-opts*] **rpush** *build-host:build-dir* [*push args...*]
dggit [*dggit-opts*] *action ...*

DESCRIPTION

dggit allows you to treat the Debian archive as if it were a git repository. See **dggit(7)** for detailed information about the data model, common problems likely to arise with certain kinds of package, etc.

The usual workflow is:

1. **dggit clone** or **fetch**;
2. make, do dev tests, and commit changes in git as desired;
3. build packages for upload, using e.g. **dggit sbuild**
4. do pre-upload tests of the proposed upload;
5. **dggit push**.

OPERATIONS

dggit clone *package* [*suite*] [*.dir*/*dir*]

Consults the archive and dggit-repos to construct the git view of history for *package* in *suite* (**sid** by default) in a new directory (named *.package* by default); also, downloads any necessary orig tarballs.

The suite's git tip is left on the local branch **dggit/suite** ready for work, and on the corresponding dggit remote tracking branch. The **origin** remote will be set up to point to the package's dggit repos