

Radicale

Christian Külker

2022-07-05

Contents

1	Radicale Installation Methods	2
2	Radicale Debian Packages	3
2.1	Build Dependencies	3
2.2	Building A Debian Package	3
3	Clients	4
4	Links	4
5	History	4
6	Disclaimer of Warranty	4
7	Limitation of Liability	5

[Radicale](#) is simple [CalDAV](#) (calendars, to-do lists) and [CardDAV](#) (contacts) server, that is easy to install and maintain, do not require a database and can optionally use a git storage back end. [Radicale](#) do not implement the full specification, but a subset.

[Radicale](#) might not be the best choice for heterogeneous environments.

The [Radicale](#) software stack layers are as follows:

Layer	Part	Function	Provider	Protocol, Format
1	Daemon	Storage	Radicale	iCal/vCard
2	Daemon	Server	Radicale	CalDAV/CardDAV
(3)	Daemon	Server	nginx	socket/proxy
4	Transfer	Network	internet	http + TLS / https proxy

Layer	Part	Function	Provider	Protocol, Format
5	Client	Receiver	Evolution	CalDAV/CardDAV
6	Client	GUI	Evolution	Terminal, GTK, Web, ...

- Layer 3 is optional
- The provider of layer 3,4,5 and 6 can be changed
- Alternative to [nginx](#) is [apache2](#)

1 Radicale Installation Methods

The [Radicale](#) daemon can theoretically be build and installed via:

#	From	Via	Version	Result	Notes
01	tar	source	3.0.6	NT	
02	tar	[packages]	2.1.11-6	OK	See below
03	git	pip	3.0.6		Package not tried, install works, function not tested
04	git	debuild, dpkg	2.1.12	NT	
05	git	debuild, dpkg	3.0.6*	NG	tried with changed Debian dir from 2.1.12-1
06	git	stdeb	3.0.6*	NG	tried latest
07	git	stdeb	3.0.6*	NG	tried with modified setup.py and setup/cfg
08	tar	stdeb	3.0.6	NG	tried
09	tar	stdeb	3.0.6	NG	tried with modified setup.py and setup/cfg
10	deb	apt-get or aptitude	2.1.11-6	OK	works
11	deb	apt-get or aptitude	2.1.12-2	OK	works
12	deb	apt-get or aptitude	3.0.6-1	NA	

- Debian package
 - via Debian official [package](#) repository (only version 2.1.12-1 as of 2020-11-02 and 2.1.12-2 as of 2020-12-29 both in sid). The Debian wiki explains: <https://wiki.debian.org/Radicale>
 - via a self build package

Abbreviations:

Explanation	
NT	not tried
NG	not good (failed)
OK	good (passed)
NA	not available

2 Radicale Debian Packages

As of now (2020-12-29) only version `2.1.11-6` is available for Debian Buster and `2.1.12-2` for Debian Sid. There is no official Debian package for `3.0.x`.

2.1 Build Dependencies

As far as known the following build dependencies should be met to build `radicale` `2.1.11`.

```
aptitude install help2man dh-buildinfo devscripts cdbs
↳ python3-atomicwrites \
python3-bcrypt python3-passlib python3-pytest python3-vobject quilt
↳ dh-python \
python3-setuptools
```

2.2 Building A Debian Package

For `Radicale` `2.1.11` the process is straight forward on Debian 10 Buster after installing the dependencies.

```
wget
↳ http://deb.debian.org/debian/pool/main/r/radicale/radicale_2.1.11.orig.tar.gz
wget http://deb.debian.org/debian/pool/main/r/radicale/radicale_2.1.11-
↳ 6.debian.tar.xz
tar xvfz radicale_2.1.11.orig.tar.gz
cd Radicale-2.1.11
tar xvjf ../radicale_2.1.11-6.debian.tar.xz
debuild -us -uc
```

This will create `radicale_2.1.11-6_all.deb`.

It is not possible (easy) to build Debian packages from the upstream git source repository,

as this do not include a `debian` directory. The `debian` directory for 2.1.11 do not work for 3.0.x.

3 Clients

- Thunderbird with lightning plugin (outdated) requires CalDAV (not iCalendar (ICS)).
- Newer version of Thunderbird already include a calender, no plugin needed
- [Evolution](#)

4 Links

- [Apache2](#)
- [CalDAV](#)
- [CardDAV](#)
- [Evolution](#)
- [Nginx](#)
- [Radicale](#)

5 History

Version	Date	Notes
0.1.4	2022-07-05	Shell->Bash
0.1.3	2022-05-09	Change level of section 'Links'
0.1.2	2020-12-29	Update front matter, links, Sid package version
0.1.1	2020-12-29	Update build process
0.1.0	2020-11-02	Initial release

6 Disclaimer of Warranty

THERE IS NO WARRANTY FOR THIS INFORMATION, DOCUMENTS AND PROGRAMS, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE INFORMATION, DOCUMENT OR THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE INFORMATION, DOCUMENTS AND PROGRAMS IS WITH YOU. SHOULD THE INFORMATION, DOCUMENTS OR PROGRAMS PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

7 Limitation of Liability

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE INFORMATION, DOCUMENTS OR PROGRAMS AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE INFORMATION, DOCUMENTS OR PROGRAMS (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE INFORMATION, DOCUMENTS OR PROGRAMS TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.