

SARbian Virtual Machine

SARbian is a Debian-based live system coming with free SAR processing software tools pre-installed, ready to use.

In case it is necessary, the login data is "saredu" with password "sarbian".

SAR Processing Software

The following software is installed for the processing and handling of SAR data.

Software name	Installation source	License
ESA SNAP and Sentinel-1 Toolbox	SNAP Installer	GPL-3.0
PolSARPro 5.0	own package build	GPL-2.0
ASF MapReady	own package build	GPL-3.0
GDAL	Debian repository	X11/MIT
QGIS	Debian repository APT pinning configured for QGIS from backports	GPL-2.0
GRASS GIS	Debian repository	GPL-2.0
DORIS	Debian repository	GPL-3.0
SNAPHU	Debian repository	common
Python 2 and 3, incl. pip	Debian repository	python-2.0
R (r-base)	Debian repository	GPL-2.0
pyroSAR	via pip from github	MIT
PyRAT	via pip from github	MPL-2.0

RStudio	Debian package from rstudio.com	AGPL-3.0
R Shiny	via R package manager	GPL-3.0

Utility Software

Utility	Software Name
Desktop	preconfigured XFCE 4
Browser	Firefox
Office	LibreOffice
Text Editor	Mousepad

Help to build SARbian

If you want to help building SARbian you should have a look at <https://github.com/SAR-EDU/sarbian>

Acknowledgement

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