
aqtinstall Documentation

Release 0.5b2

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Contents:

Command Line Options

The CLI uses argparse to parse the command line options so the short or long versions may be used and the long options may be truncated to the shortest unambiguous abbreviation.

list

list available versions (not implemented yet)

help

show generic help

install <Qt version> <target OS> <target variant> <target environment>

install Qt library specified version and target.

Qt version

This is a Qt version such as 5.9, 7, 5.12.1 etc

target OS

linux, windows or mac

target variant

desktop or android

target environment

- gcc_64 for linux desktop
- clang_64 for mac desktop
- win64_msvc2019_64, win64_msvc2017_64, win64_msvc2015_64, in32_msvc2015, win32_mingw53 for windows desktop
- android_x86, android_armv7 for android

--version, -v

Display version

--help, -h

Display help text

--outputdir, -O <Output Directory>
specify output directory.

--base, -b <base url>
specify mirror site base url such as -b '<https://mirrors.ocf.berkeley.edu/qt/>' where 'online' folder exist.

--modules, -m <list of modules>
specify extra modules to install as a list.

--archives <list of archives>
[Advanced] specify subset of archives to limit installed archvies.

src <Qt version> <target OS> <target variant>
install Qt sources specified version and target.

doc <Qt version> <target OS> <target variant>
install Qt documents specified version and target.

examples <Qt version> <target OS> <target variant>
install Qt examples specified version and target.

tools <target OS> <target tool name> <target tool version> <tool variant name>
install tools specified. tool name may be 'tools_openssl_x64', 'tools_ninja', 'tools_ifw', 'tools_cmake' and tool variants name may be 'qt.tools.openssl.gcc_64', 'qt.tools.ninja', 'qt.tools.ifw.32', 'qt.tools.cmake'. You may need to looking for version number at <https://download.qt.io/online/qtsdkrepository/>

CHAPTER 2

Internals

2.1 Archives module

2.2 Installer module

2.3 Cli module

2.4 Helper module

2.5 QtPatch module

All notable changes to this project will be documented in this file.

3.1 Current changes

3.1.1 Unreleased

Added

Changed

Fixed

Deprecated

Removed

Security

3.1.2 v0.10.1 (11, Dec. 2020)

Added

- Add LTS vresions as known version.(#188)

Changed

- Tool: Version comparison by startswith. When specified 4.0 but download server hold 4.0.1, it catch 4.0.1.(related #187)

- README: explicitly show python version requirements.

3.1.3 v0.10.0 (25, Nov. 2020)

Added

- Add v5.12.2, v6.0.0 as known versions.(#176, #177)
- Support `--archives` option on src installation.

Changed

- Use `multiprocessing.Pool` instead of `concurrent.futures`(#178)
- Refactoring whole modules. (#179)
- Split old changelogs to `CHNAGELOG_prerelease.rst`
- Drop an upper limitaion (`<0.11`) for `py7zr`.(#183)

Fixed

- When we used “-m all” to download doc or examples, Qt sources are also downloaded(@Gamso)(#182)

3.1.4 v0.9.8 (4, Nov. 2020)

Added

- Added new combinations for `tools_ifw`

Fixed

- When we start an installation, all packages are downloaded whatever the specified platform.(#159)

CHAPTER 4

Contribution guide

This is contribution guide for aqtinstall project. You are welcome to send a Pull-Request, reporting bugs and ask questions.

4.1 Resources

- Project owner: Hiroshi Miura
- Bug Tracker: Github issue [Tracker](#)
- Status: Beta
- Activity: moderate

4.2 Bug triage

Every report to github issue tracker should be in triage. whether it is bug, question or invalid.

4.3 Send patch

Here is small amount rule when you want to send patch the project;

1. every proposal for modification should send as 'Pull Request'
1. each pull request can consist of multiple commits.
1. you are encourage to split modifications to individual commits that are logical subpart.

4.4 CI tests

The project configured to use Azure Pipelines, Travis-CI and CoverAlls for regression test. You can see test results on badge and see details in a web page linked from badge.

CHAPTER 5

Authors

Aqtinstall is written and maintained by Hiroshi Miura <miurahr@linux.com>

Original qli-installer is written by Linus Jahn

Contributors, listed alphabetically, are:

- Gamso (improve parsing of update.xml)
- Kyle Altendorf (7z binary path search)
- Martin Delille
- Nelson Chen (CI tests)
- Skycoder42 (Explicit extra module installation)
- Thomas Grainger

CHAPTER 6

Indices and tables

- `genindex`
- `modindex`
- `search`

Symbols

-archives <list of archives>
 aqt command line option,4
-base, -b <base url>
 aqt command line option,4
-help, -h
 aqt command line option,3
-modules, -m <list of modules>
 aqt command line option,4
-outputdir, -O <Output Directory>
 aqt command line option,3
-version, -v
 aqt command line option,3

A

aqt command line option
 -archives <list of archives>,4
 -base, -b <base url>,4
 -help, -h,3
 -modules, -m <list of modules>,4
 -outputdir, -O <Output Directory>,3
 -version, -v,3
doc <Qt version> <target OS>
 <target variant>,4
examples <Qt version> <target OS>
 <target variant>,4
help,3
install <Qt version> <target
 OS> <target variant> <target
 environment>,3
list,3
src <Qt version> <target OS>
 <target variant>,4
tools <target OS> <target tool
 name> <target tool version>
 <tool variant name>,4

D

doc <Qt version> <target OS> <target
 variant>

 aqt command line option,4

E

examples <Qt version> <target OS>
 <target variant>
 aqt command line option,4

H

help
 aqt command line option,3

I

install <Qt version> <target OS>
 <target variant> <target
 environment>
 aqt command line option,3

L

list
 aqt command line option,3

S

src <Qt version> <target OS> <target
 variant>
 aqt command line option,4

T

tools <target OS> <target tool name>
 <target tool version> <tool
 variant name>
 aqt command line option,4