



# Get to know the Qt Installer Framework

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- Multitude of packages and dependencies
- Online and offline installers
- Common cross-platform experience
- Only minimal steps required to “Hello World”
- Administrative rights must be optional

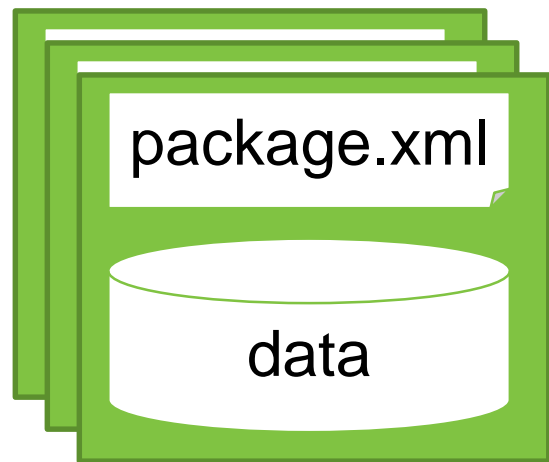
# Meet the Qt Installer Framework



- Set of tools to generate and maintain installers
- Allows installation, updating, and removal of *packages*
- Windows, Linux, OS X

# Offline Installer

config.xml



binarycreator

installer

# Online Installer



config.xml

binarycreator

installer

package.xml

data

repogen

Updates.xml

meta.7z

data.7z

## Static Metadata

config.xml

DisplayName, Description, Version, ReleaseDate

Default, Virtual, Forced, Essential, SortingPriority

Dependencies, AutoDependOn, Replaces

UserInterfaces, Translations, Script

Metadata can be changed by JavaScript code

## Operations are executed at installation time

Extract, License

Execute

Copy, Move, Delete, Mkdir, Rmdir, ...

AppendFile, PrependFile, Replace, LineReplace

GlobalConfig, Settings, EnvironmentVariable

CreateShortcut, CreateDesktopEntry, InstallIcons,  
RegisterFileType

...

# Package Scripting

- Schedule operations
- Change package metadata
- Insert additional pages
- Execute applications (e.g. on final page)
- ...



## Adapt and automate installations

- JavaScript callbacks for every page
- Unattended installation (together with -platform minimal)
- Alter pages
- Insert custom pages

A generic framework for cross-platform package managing

- Offline and online installers, updates
- Automatic dependency resolution
- Logic can be scripted

Building blocks:

- Components (Static metadata, scripts, and payload)
- Operations
- Control script

# Thank you!

<http://doc.qt.io/qtinstallerframework/>

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# Shipping Applications



- Archives
- Package Management Systems
- Application Stores
- Installers
- Containers