# QE Framework – Release Procedure

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## Introduction

This document contains details on creating releases of the QE framework. It is intended to be used by those developing the QE framework, not GUI or application developers using the QE framework.

## Procedure

- Get 'makefile' from the repository to /home/<user> directory:
  [http://sourceforge.net/p/epicsqt/code/HEAD/tree/trunk/resources/makefile](http://sourceforge.net/p/epicsqt/code/HEAD/tree/trunk/resources/makefile)
- Go to /home/<user>:

```
cd ~
```

- Create and populate ~/epicsqt/trunk from repository:

```
make checkout
```

- Update version numbers to new release version:

```
kwrite epicsqt/trunk/framework/common/QEFrameworkVersion.h
```

  Update QE_VERSION_MAJOR, QE_VERSION_MINOR, QE_VERSION_RELEASE, and QE_VERSION_STAGE)

  **Do not** commit this change to SVN. This change will be committed as part of the release script later.

- Build the framework:

```
make framework
```

- Enter the build framework directories

```
cd epicsqt/trunk/resources
```

- Run the release procedure.

  You will need to know:

  - A summary of all the changes.
    (If this is not clear, you may choose to press on with a dummy summary, and abort after the release notes have been generated; it will give you the opportunity to review the release notes before committing anything. At this point you can review the list of svn commits in the release notes and determine an appropriate summary statement.)
  - SourceForge username and password

```
python ./release.py
```

This generate release notes, create tags, commit new release, creates version tag, uploads tar file.

- Build and upload the epicsqt rpm with ffmpeg support.
(Ensure you have no old versions of the epcisqt plugin - libQEPlugin.so - or qegui application that can be found by this procedure.)

```
cd ~
make clean
make package
```

Check the package used to build the rpm is OK and is the correct version (from the QEGui help->about menu option):

```
cd package
./executeQEGui
```

Upload RPM

```
cd ~
make upload_rpm
```

- Upload any documentation changed since last release to https://sourceforge.net/projects/epicsqt/files/documentation/
Typically, this is at least QE_QEGuiAndUserInterfaceDesign.pdf
- In latest zipped source package in https://sourceforge.net/projects/epicsqt/files/ mark source as suitable for all platforms (click on 'i' information icon and select all platforms. (Until this is done this source package will not be offered as the latest package on the home page)
- Download the package on windows, build and upload windows packages.
- email techtalk
- post message on sourceForge epicsqt forums