

# Project Toolkit

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The 'Project Toolkit' represents a set of modules required to develop and build your projects.

Provides the following functionality to the projects:

- Software Toolkit: the set of tools and small utilities required to develop and build your projects
- Versioning: defining the project version parameters from one central place
- Installation and build recipes
- Dependency providing: project can pull required dependencies and install it.
- Multiple Git upstreams support (for example, GitHub and BitBucket at the same time)
- Project testing interaction
- Project opening support with advanced feature (pre-opening recipes, etc.)
- Desktop icon launching support

## What is included?

- The [Software Toolkit](#) module
- The [Versionable](#) module
- The [Installable](#) module
- The [Dependable](#) module
- The [Upstreamable](#) module
- The [Testable](#) module
- The [Project](#) module
- The [Iconic](#) module

## How to install?

Execute the following:

```
(test -e ./clone || wget "https://raw.githubusercontent.com/red-elf/Project-Toolkit/main/clone?append=$((($(date +%s%N)/1000000)) -O clone) && \
    chmod +x ./clone && ./clone git@github.com:red-elf/Project-Toolkit.git
./Toolkit
```

or via one of the mirror repositories:

- [GitFlic](#):

```
(test -e ./clone || \
    wget "https://raw.githubusercontent.com/red-elf/Project-Toolkit/main/clone?append=$((($(date +%s%N)/1000000)) -O clone) && \
    chmod +x ./clone && ./clone git@gitflic.ru:red-elf/project-toolkit.git
./Toolkit
```

- [Gitee](#):

```
(test -e ./clone || wget "https://raw.githubusercontent.com/red-elf/Project-Toolkit/main/clone?append=$((($(date +%s%N)/1000000)) -0 clone) && \
  chmod +x ./clone && ./clone git@gitee.com:Kvetch_Godspeed_b073/Project-Toolkit.git ./Toolkit
```

*Note:* It is required to execute the script from empty directory where you wish to clone the Project Toolkit utility.

## macOS

To install execute the following:

```
(test -e ./clone || wget "https://raw.githubusercontent.com/red-elf/Project-Toolkit/main/clone" -O clone) && chmod +x ./clone && ./clone
git@github.com:red-elf/Project-Toolkit.git ./Toolkit
```

## Making the Project Toolkit features available to the system

- Setup the RS file: the `.bashrc` or `.zshrc`:

```
export SUBMODULES_HOME=/Users/milosvasic/Projects/RedElf/Toolkit
export PATH=$PATH:$SUBMODULES_HOME
export PATH=$PATH:$SUBMODULES_HOME/Upstreamable
export PATH=$PATH:$SUBMODULES_HOME/Installable
```

Which will expose the access to the following commands (and many others as well which will be documented at some point):

- `install_upstreams.sh` Execute from the directory which contains the Upstreams directory and install Upstreams

*Note:* Find the details on setting up the Upstreams [here](#)

- `pull_all.sh` No arguments needed, pulls the code from all Upstreams
- `push_all.sh` Push to all remote upstreams
- `commit` With or without commit message, commits and pushes to all remote upstreams

*Note:* You can export the paths for the other Project Toolkit modules as well to access their features on the system level!

## Development documentation

Documentation can be found [here](#).