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General purpose makefile and tools for Gnublin modules.

 9 commits

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 GPL-3.0

Branch: master






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 **Christophe Burki** Build python modules only when MODULE is defined

Latest commit 0a8c27c on 17 Sep 2014

 <a href="#">.gitignore</a>	Initial commit.	6 years ago
 <a href="#">LICENSE</a>	Initial commit.	6 years ago
 <a href="#">README.md</a>	Added support for building python module	5 years ago
 <a href="#">fpublish.py</a>	Changed GPL v2 to v3 in header	5 years ago
 <a href="#">gnublin.mk</a>	Build python modules only when MODULE is defined	5 years ago

 **README.md**

## Summary

They are tools that simplify the compilation and publication of the Gnublin modules. The gnublin.mk can be included from a module Makefile. This allow the Makefile of the module to be simple as the one here below.

```
MODULE := mymodule
TARGET := mymodule_target
SOURCES := $(MODULE).cpp

include ../Config.mk
include $(GNUBLINMKDIR)/gnublin.mk
```

Publication of files is done using [fabric](#), a python library and command-line tool for streamlining the use of SSH for application deployment and system administration tasks. Publication is helpful when you cross-compile your codes and want to install them quickly on a target. For this to work as expected, *fabric* must be installed on the host system and a user with *sudo* privileges must exist on the target system. The USER, HOST and PORT variables from the Config.mk configuration file must be adjusted. USER is the user on the target system that fabric will use to connect with ssh. HOST and PORT are the hostname or IP address and SSH port for connecting to the target system. Here is a sample of a Config.mk file.

```
GNUBLINMKDIR := ../gnublin-make
GNUBLINAPIDIR := ../gnublin-api

USER := toto
HOST := 192.168.1.10
PORT := 22
```

The files to publish and where to publish them on the target with wich permissions is specified in the INSTALL\_FILE file. This file is read by the fabric *fabfile* when during publishing. Edit the INSTALL\_FILE file and modify the target path and permissions if needed. Here is an example of an installation file.

# file	target path	owner	mode
myprog	/usr/local/bin/myprog	root:root	755

You need to checkout this repository when you checkout the [gnublin-modules](#) repository.