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**Makefile**

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```

1 VERSION      = 1.6.3
2 RELEASE      = 2
3 DATE         = $(shell date)
4 NEWRELEASE   = $(shell echo $$(( $(RELEASE) + 1 )))
5 PYTHON       = python
6 PROJECT_NAME = profile_projects
7 TOPDIR       = $(shell pwd)
8 DIRS         = src examples
9 PYDIRS       = src examples
10 EXAMPLEDIR   = examples
11 MANPAGES     =
12 A2PS2S1C     = /bin/a2ps --sides=2 --medium=Letter --columns=1 --portrait --line-numbers=1 --font-size=8
13 A2PSTMP      = ./tmp
14 DOCS         = ./docs
15
16 SHELL := /bin/bash
17
18 #all: rpms
19 all: pdf
20
21 #https://stackoverflow.com/questions/6273608/how-to-pass-argument-to-makefile-from-command-line
22 args = `arg="$(filter-out $@,$(MAKECMDGOALS))" && echo ${arg:-${1}}`
23 %:
24     @:
25
26 versionfile:
27     echo "version:" $(VERSION) > etc/version
28     echo "release:" $(RELEASE) >> etc/version
29     echo "source build date:" $(DATE) >> etc/version
30
31 manpage:
32     for manpage in $(MANPAGES); do (pod2man --center=$$manpage --release="" ./docs/$$manpage.pod > ./docs/$
33 $manpage.1); done
34
35 build: clean
36     $(PYTHON) setup.py build -f
37
38 clean: cleantmp
39     -rm -f MANIFEST
40     -rm -rf dist/ build/
41     -rm -rf *~
42     -rm -rf rpm-build/
43     -rm -rf deb-build/
44     -rm -rf docs/*.1
45     -rm -f etc/version
46     -find . -type f -name *.pyc -exec rm -f {} \;
47     -find . -type f -name *~ -exec rm -f {} \;
48
49 clean_hard:
50     -rm -rf $(shell $(PYTHON) -c "from distutils.sysconfig import get_python_lib; print get_python_lib()") /adagios
51
52
53 clean_hardest: clean_rpms
54
55
56 install: build manpage
57     $(PYTHON) setup.py install -f
58
59 install_hard: clean_hard install
60
61 install_harder: clean_harder install
62
63 install_hardest: clean_harder clean_rpms rpms install_rpm
64
65 install_rpm:
66     -rpm -Uvh rpm-build/adagios-$(VERSION)-$(NEWRELEASE)$(shell rpm -E "%{?dist}") .noarch.rpm
67
68
69 recompile: install_harder
70
71 clean_rpms:
72     -rpm -e adagios
73
74 sdist:
75     $(PYTHON) setup.py sdist
76
77 pychecker:
78     -for d in $(PYDIRS); do ($(MAKE) -C $$d pychecker ); done
79 pyflakes:
80     -for d in $(PYDIRS); do ($(MAKE) -C $$d pyflakes ); done
81
82 money: clean
83     -sloccount --addlang "makefile" $(TOPDIR) $(PYDIRS) $(EXAMPLEDIR)
84
85 testit: clean

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86     -cd test; sh test-it.sh
87
88 unittest:
89     -nosetests -v -w test/unittest
90
91 rpms: build sdist
92     mkdir -p rpm-build
93     cp dist/*.gz rpm-build/
94     rpmbuild --define "_topdir %(pwd)/rpm-build" \
95         --define "_builddir %{_topdir}" \
96         --define "_rpmdir %{_topdir}" \
97         --define "_srcrpmdir %{_topdir}" \
98         --define '_rpmfilename %{NAME}-%{VERSION}-%{RELEASE}.%{ARCH}.rpm' \
99         --define "_specdir %{_topdir}" \
100         --define "_sourcedir %{_topdir}" \
101         -ba adagios.spec
102
103 debs: build sdist
104     mkdir -p deb-build
105     cp dist/*gz deb-build/adagios_${VERSION}.orig.tar.gz
106     cp -r debian.upstream deb-build/debian
107     cd deb-build/ ; \
108         tar -zxvf adagios_${VERSION}.orig.tar.gz ; \
109         cd adagios-${VERSION} ;\
110         cp -r ../debian debian ;\
111         debuild -i -us -uc -b
112
113 coffee:
114     cd adagios/media/js/ && coffee -c adagios.coffee
115
116 trad: coffee
117     cd adagios && \
118         django-admin.py makemessages --all -e py,html && \
119         django-admin.py makemessages --all -d djangojs && \
120         django-admin.py compilemessages
121
122 #Ref: https://stackoverflow.com/questions/1490949/how-to-write-loop-in-a-makefile
123 # MANIFEST
124 SRC1= Makefile README.md Cargo.toml
125 #SRC2= helper.rs lib.rs macros.rs
126 #SRC3= metric.rs simple.rs
127 #SRC2= manage.py profiles_projects-dir-layout.txt
128
129 cleantmp:
130     rm -f ${A2PSTMP}/*.ps ${A2PSTMP}/*.pdf
131
132 ps: cleantmp
133     $(foreach var, $(SRC1), ${A2PS2S1C} $(var) --output=${A2PSTMP}/${var}.ps ;)
134     # $(foreach var, $(SRC2), ${A2PS2S1C} $(var) --output=${A2PSTMP}/${var}.ps ;)
135
136 allpdf: pdf
137     make -C src pdf
138     make -C examples pdf
139
140 pdf: ps
141     $(foreach var, $(SRC1), (cd ${A2PSTMP};ps2pdf $(var).ps $(var).pdf);)
142     # $(foreach var, $(SRC2), (cd ${A2PSTMP};ps2pdf $(var).ps $(var).pdf);)
143     rm -f ${A2PSTMP}/*.ps
144     cp ${A2PSTMP}/*.pdf ${DOCS}/
145
146 tree: clean
147     tree -L 4 > ${PROJECT_NAME}-dir-layout.txt
148
149 # https://stackoverflow.com/questions/7507810/how-to-source-a-script-in-a-makefile/7508273
150 activate:
151     @echo "Run command"
152     @echo "source ./env/bin/activate"
153     @echo " deactivate to exit"
154
155 status:
156     git status
157
158 commit:
159     git commit -am "$(call args,Automated lazy commit message without details, read the code change)" && git push
160
161 test: testmetric testsimpleOK testsimpleNOTOK testsimple2OK testsimple2NOTOK
162     echo
163
164 testmetric:
165     cargo run --example metric -- 1
166
167 testsimpleOK:
168     cargo run --example simple -- itsfine
169
170 testsimpleNOTOK:
171     cargo run --example simple -- haaa
172
173 testsimple2OK:
174     cargo run --example simple2 -- itsfine
175
176 testsimple2NOTOK:
177     cargo run --example simple2 -- haaa

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```
172 install-examples:  
173     cargo install -v --force --example simple --path .  
174     cargo install -v --force --example metric --path .  
175     cargo install -v --force --example simple2 --path .  
176     ls -lrt ~/.cargo/bin/*  
177
```