

Buildmaster documentation

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Config files

slaves.cfg

This file contains a list of all slaves with their passwords. The structure is very simple. It's just one line per slave which contains the name and the password separated by a space. Pay attention that the last line isn't empty.

config options

master.cfg

This is the config file of the build master. This file is interpreted by the python interpreter so you can use all python commands you want to. To keep this file short and simple the definition of the build task takes place in `tgbuilder.py`

Scripts

tgbuilder.py

`tgbuilder.py` contains all builder (TG1, TG1.1, TG2, dependencies via SVN or `easy_install`) and some functions.

ppath.py

`ppath.py` contains functions to manipulate the python path.

autobuild_quickstarts.py

This script creates all possible quickstart projects. It combines Identity (enabled/disabled), Kid/Genshi and SQLAlchemy/Alchemy.

New build steps

There are a few new build steps to simplify the creation of new builders.

Common parameter

This parameter is optional.

workdir directory to work in. The base is root directory of the build task.

VirtualEnv

This buildstep creates a virtual environment.

workdir `workdir` is the only required parameter for this step. You can (or should) use relative paths.

Python

This buildstep runs a python script on the slave side.

script the script to execute

script_args arguments passed to the script (optional)

RunSetup

This step executes a setup.py script with “install” as a argument.

devmode If devmode is set RunSetup uses the 'develop' argument instead of 'install'

EasyInstall

This buildstep installs a package via easy_install.

package name of the package

workdir the workdir is for this step is the build directory. It can't be modified.

localinstall installs an egg which is present in workdir or in workdir/dist

Nose

This buildsteps runs nose in the specified directory.

testdir this is a directory relative to the workdir where nose starts to search for test cases

workdir workdir has to be set for this step.

verbose This argument sets the 'verbose' flag for nose.

BuildEgg

This buildstep builds an egg.

workdir workdir has to be set for this step

BuildEggEE

This step downloads the source via EasyInstall and builds an egg.

package name of the package which egg should be created

InterOSShell

This step is equal to ShellCommand but it corrects OS-specific path separators.

command the command which should be executed on the slave side

Paver

This step runs paver with the specified options

mode specifies the mode to start paver

CleanDir

This steps deletes all files in workdir.

UploadEgg

Uploads an egg to Turbogears PackageIndex. It uses the .pypirc in the home directory of the user to authorize the upload.

package name of the package name which should be uploaded