pipver

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Namespace Documentation

5.1 hw Namespace Reference

Script that implements the Hello World Class.

Variables

- hw = helloworld.HelloWorld()

5.1.1 Detailed Description

Script that implements the Hello World Class.

5.1.2 Variable Documentation

5.1.2.1 hw

```
hw = helloworld.HelloWorld()
```

5.2 pipver Namespace Reference

Namespaces

- helloworld

  Defines the the Hello World Class.

5.3 pipver.helloworld Namespace Reference

Defines the the Hello World Class.

Classes

- class HelloWorld

  The Hello World base class.

5.3.1 Detailed Description

Defines the the Hello World Class.

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- name
- version
- cmdclass
- description
- long_description
- url
- author
- author_email
- license
- packages
- scripts
- install_requires
- classifiers

5.4.1 Variable Documentation

5.4.1.1 author

```
author
```

5.4.1.2 author_email

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scripts
```

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```
url
```

5.4.1.13 version

```
version
```

5.5 versioneer Namespace Reference

Classes

- class NotThisMethod
- class VersioneerBadRootError
- class VersioneerConfig

Functions

- def get_root ()
- def get_config_from_root (root)
- def register_vcs_handler (vcs, method)
- def run_command (commands, args, cwd=None, verbose=False, hide_stderr=False, env=None)
- def git_get_keywords (versionfile_abs)
- def git_versions_from_keywords (keywords, tag_prefix, verbose)
- def git_pieces_from_vcs (tag_prefix, root, verbose, runner=run_command)
- def do_vcs_install (manifest_in, versionfile_source, ipy)
- def versions_from_parentdir (parentdir_prefix, root, verbose)
- def versions_from_file (filename)
- def write_to_version_file (filename, versions)
- def plus_or_dot (pieces)
- def render_pep440 (pieces)
- def render_pep440_branch (pieces)
- def pep440_split_post (ver)
- def render_pep440_pre (pieces)
- def render_pep440_post (pieces)
- def render_pep440_post_branch (pieces)
- def render_pep440_old (pieces)
- def render_git_describe (pieces)
- def render_git_describe_long (pieces)
- def render (pieces, style)
- def get_versions (verbose=False)
- def get_version ()
- def get_cmdclass (cmdclass=None)
- def do_setup ()
- def scan_setup_py ()

Variables

- string SHORT_VERSION_PY
- string CONFIG_ERROR
- string SAMPLE_CONFIG
- string OLD_SNIPPET
- string INIT_PY_SNIPPET
- cmd = sys.argv[1]
- def errors = do_setup()

5.5.1 Function Documentation

5.5.1.1 do_setup()

```
def versioneer.do_setup ( )
```

Do main VCS-independent setup function for installing Versioneer.

5.5.1.2 do_vcs_install()

```
def versioneer.do_vcs_install (
              manifest_in,
              versionfile_source,
              ipy )
```

Git-specific installation logic for Versioneer.

For Git, this means creating/changing .gitattributes to mark _version.py
for export-subst keyword substitution.

5.5.1.3 get_cmdclass()

```
def versioneer.get_cmdclass (
              cmdclass = None )
```

Get the custom setuptools/distutils subclasses used by Versioneer.

If the package uses a different cmdclass (e.g. one from numpy), it
should be provide as an argument.

5.5.1.4 get_config_from_root()

```
def versioneer.get_config_from_root (
              root )
```

Read the project setup.cfg file to determine Versioneer config.

5.5.1.5 get_root()

```
def versioneer.get_root ( )
```

Get the project root directory.

We require that all commands are run from the project root, i.e. the directory that contains setup.py, setup.cfg, and versioneer.py .

5.5.1.6 get_version()

```
def versioneer.get_version ( )
```

Get the short version string for this project.

5.5.1.7 get_versions()

```
def versioneer.get_versions (
              verbose = False )
```

Get the project version from whatever source is available.

Returns dict with two keys: 'version' and 'full'.

5.5.1.8 git_get_keywords()

```
def versioneer.git_get_keywords (
              versionfile_abs )
```

Extract version information from the given file.

5.5.1.9 git_pieces_from_vcs()

```
def versioneer.git_pieces_from_vcs (
              tag_prefix,
              root,
              verbose,
              runner = run_command )
```

Get version from 'git describe' in the root of the source tree.

This only gets called if the git-archive 'subst' keywords were *not*
expanded, and _version.py hasn't already been rewritten with a short
version string, meaning we're inside a checked out source tree.

5.5.1.10 git_versions_from_keywords()

```
def versioneer.git_versions_from_keywords (
              keywords,
              tag_prefix,
              verbose )
```

Get version information from git keywords.

5.5.1.11 pep440_split_post()

```
def versioneer.pep440_split_post (
              ver )
```

Split pep440 version string at the post-release segment.

Returns the release segments before the post-release and the
post-release version number (or -1 if no post-release segment is present).

5.5.1.12 plus_or_dot()

```
def versioneer.plus_or_dot (
              pieces )
```

Return a + if we don't already have one, else return a .

5.5.1.13 register_vcs_handler()

```
def versioneer.register_vcs_handler (
              vcs,
              method )
```

Create decorator to mark a method as the handler of a VCS.

5.5.1.14 render()

```
def versioneer.render (
              pieces,
              style )
```

Render the given version pieces into the requested style.

5.5.1.15 render_git_describe()

```
def versioneer.render_git_describe (
              pieces )
```

TAG[-DISTANCE-gHEX][-dirty].

Like 'git describe --tags --dirty --always'.

Exceptions:
1: no tags. HEX[-dirty] (note: no 'g' prefix)

5.5.1.16 render_git_describe_long()

```
def versioneer.render_git_describe_long (
              pieces )
```

TAG-DISTANCE-gHEX[-dirty].

Like 'git describe --tags --dirty --always -long'.
The distance/hash is unconditional.

Exceptions:
1: no tags. HEX[-dirty] (note: no 'g' prefix)

5.5.1.17 render_pep440()

```
def versioneer.render_pep440 (
              pieces )
```

Build up version string, with post-release "local version identifier".

Our goal: TAG[+DISTANCE.gHEX[.dirty]] . Note that if you
get a tagged build and then dirty it, you'll get TAG+0.gHEX.dirty

Exceptions:
1: no tags. git_describe was just HEX. 0+untagged.DISTANCE.gHEX[.dirty]

5.5.1.18 render_pep440_branch()

```
def versioneer.render_pep440_branch (
              pieces )
```

TAG[[.dev0]+DISTANCE.gHEX[.dirty]] .

The ".dev0" means not master branch. Note that .dev0 sorts backwards
(a feature branch will appear "older" than the master branch).

Exceptions:
1: no tags. 0[.dev0]+untagged.DISTANCE.gHEX[.dirty]

5.5.1.19 render_pep440_old()

```
def versioneer.render_pep440_old (
              pieces )
```

TAG[.postDISTANCE[.dev0]] .

The ".dev0" means dirty.

Exceptions:
1: no tags. 0.postDISTANCE[.dev0]

5.5.1.20 render_pep440_post()

```
def versioneer.render_pep440_post (
              pieces )
```

TAG[.postDISTANCE[.dev0]+gHEX] .

The ".dev0" means dirty. Note that .dev0 sorts backwards
(a dirty tree will appear "older" than the corresponding clean one),
but you shouldn't be releasing software with -dirty anyways.

Exceptions:
1: no tags. 0.postDISTANCE[.dev0]

5.5.1.21 render_pep440_post_branch()

```
def versioneer.render_pep440_post_branch (
              pieces )
```

```
TAG[.postDISTANCE[.dev0]+gHEX[.dirty]] .

The ".dev0" means not master branch.

Exceptions:
1: no tags. 0.postDISTANCE[.dev0]+gHEX[.dirty]
```

5.5.1.22 render_pep440_pre()

```
def versioneer.render_pep440_pre (
              pieces )
```

```
TAG[.postN.devDISTANCE] -- No -dirty.

Exceptions:
1: no tags. 0.post0.devDISTANCE
```

5.5.1.23 run_command()

```
def versioneer.run_command (
              commands,
              args,
              cwd = None,
              verbose = False,
              hide_stderr = False,
              env = None )
```

```
Call the given command(s).
```

5.5.1.24 scan_setup_py()

```
def versioneer.scan_setup_py ( )
```

```
Validate the contents of setup.py against Versioneer's expectations.
```

5.5.1.25 versions_from_file()

```
def versioneer.versions_from_file (
              filename )
```

Try to determine the version from _version.py if present.

5.5.1.26 versions_from_parentdir()

```
def versioneer.versions_from_parentdir (
              parentdir_prefix,
              root,
              verbose )
```

Try to determine the version from the parent directory name.

Source tarballs conventionally unpack into a directory that includes both
the project name and a version string. We will also support searching up
two directory levels for an appropriately named parent directory

5.5.1.27 write_to_version_file()

```
def versioneer.write_to_version_file (
              filename,
              versions )
```

Write the given version number to the given _version.py file.

5.5.2 Variable Documentation

5.5.2.1 cmd

```
cmd = sys.argv[1]
```

5.5.2.2 CONFIG_ERROR

```
string CONFIG_ERROR
```

Initial value:

```
1 =  """
2 setup.cfg is missing the necessary Versioneer configuration. You need
3 a section like:
4
5  [versioneer]
6  VCS = git
7  style = pep440
8  versionfile_source = src/myproject/_version.py
9  versionfile_build = myproject/_version.py
10  tag_prefix =
11  parentdir_prefix = myproject-
12
13 You will also need to edit your setup.py to use the results:
14
15  import versioneer
16  setup(version=versioneer.get_version(),
17        cmdclass=versioneer.get_cmdclass(), ...)
18
19 Please read the docstring in ./versioneer.py for configuration instructions,
20 edit setup.cfg, and re-run the installer or 'python versioneer.py setup'.
21 """
```

5.5.2.3 errors

```
def errors = do_setup()
```

5.5.2.4 INIT_PY_SNIPPET

```
string INIT_PY_SNIPPET
```

Initial value:

```
1 =  """
2 from . import {0}
3 __version__ = {0}.get_versions()['version']
4 """
```

5.5.2.5 OLD_SNIPPET

```
string OLD_SNIPPET
```

Initial value:

```
1 =  """
2 from ._version import get_versions
3 __version__ = get_versions()['version']
4 del get_versions
5 """
```

5.5.2.6 SAMPLE_CONFIG

```
string SAMPLE_CONFIG
```

Initial value:

```
1 =  """
2 # See the docstring in versioneer.py for instructions. Note that you must
3 # re-run 'versioneer.py setup' after changing this section, and commit the
4 # resulting files.
5
6 [versioneer]
7 #VCS = git
8 #style = pep440
9 #versionfile_source =
10 #versionfile_build =
11 #tag_prefix =
12 #parentdir_prefix =
13
14 """
```

5.5.2.7 SHORT_VERSION_PY

```
string SHORT_VERSION_PY
```

Initial value:

```
1 =  """
2 # This file was generated by 'versioneer.py' (0.22) from
3 # revision-control system data, or from the parent directory name of an
4 # unpacked source archive. Distribution tarballs contain a pre-generated copy
5 # of this file.
6
7 import json
8
9 version_json = '''
10 %s
11 '''  # END VERSION_JSON
12
13
14 def get_versions():
15     return json.loads(version_json)
16 """
```

Chapter 6

Class Documentation

6.1 HelloWorld Class Reference

The Hello World base class.

Public Member Functions

- def __init__ (self)

  Initialize the text and call the main function.
- def main (self)

  Print Hello World.
- def __init__ (self)

  Initialize the text and call the main function.
- def main (self)

  Print Hello World.

Public Attributes

- text

6.1.1 Detailed Description

The Hello World base class.

6.1.2 Constructor & Destructor Documentation

6.1.2.1 __init__() [1/2]

```
def __init__ (
               self )
```

Initialize the text and call the main function.

6.1.2.2 __init__() [2/2]

```
def __init__ (
               self )
```

Initialize the text and call the main function.

6.1.3 Member Function Documentation

6.1.3.1 main() [1/2]

```
def main (
               self )
```

Print Hello World.

6.1.3.2 main() [2/2]

```
def main (
               self )
```

Print Hello World.

6.1.4 Member Data Documentation

6.1.4.1 text

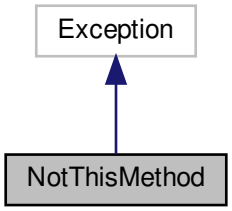
```
text
```

The documentation for this class was generated from the following file:

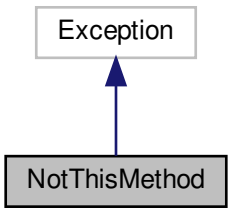
- build/lib/pipver/helloworld.py

6.2 NotThisMethod Class Reference

Inheritance diagram for NotThisMethod:



Collaboration diagram for NotThisMethod:



6.2.1 Detailed Description

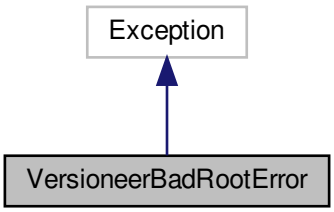
```
Exception raised if a method is not valid for the current scenario.
```

The documentation for this class was generated from the following file:

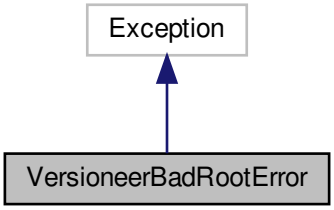
- versioneer.py

6.3 VersioneerBadRootError Class Reference

Inheritance diagram for VersioneerBadRootError:



Collaboration diagram for VersioneerBadRootError:



6.3.1 Detailed Description

```
The project root directory is unknown or missing key files.
```

The documentation for this class was generated from the following file:

- versioneer.py

6.4 VersioneerConfig Class Reference

6.4.1 Detailed Description

```
Container for Versioneer configuration parameters.
```

The documentation for this class was generated from the following file:

- versioneer.py

Chapter 7

File Documentation

7.1 build/lib/pipver/__init__.py File Reference

Namespaces

- pipver

7.2 pipver/__init__.py File Reference

Namespaces

- pipver

7.3 build/lib/pipver/helloworld.py File Reference

Classes

- class HelloWorld

  The Hello World base class.

Namespaces

- pipver.helloworld

  Defines the the Hello World Class.

7.4 pipver/helloworld.py File Reference

Classes

- class HelloWorld

  The Hello World base class.

Namespaces

- pipver.helloworld

  Defines the the Hello World Class.

7.5 build/scripts-3.6/hw.py File Reference

Namespaces

- hw

  Script that implements the Hello World Class.

Variables

- hw = helloworld.HelloWorld()

7.6 scripts/hw.py File Reference

Namespaces

- hw

  Script that implements the Hello World Class.

7.7 setup.py File Reference

Namespaces

- setup

Variables

- name
- version
- cmdclass
- description
- long_description
- url
- author
- author_email
- license
- packages
- scripts
- install_requires
- classifiers

7.8 versioneer.py File Reference

Classes

- class VersioneerConfig
- class NotThisMethod
- class VersioneerBadRootError

Namespaces

- versioneer

Functions

- def get_root ()
- def get_config_from_root (root)
- def register_vcs_handler (vcs, method)
- def run_command (commands, args, cwd=None, verbose=False, hide_stderr=False, env=None)
- def git_get_keywords (versionfile_abs)
- def git_versions_from_keywords (keywords, tag_prefix, verbose)
- def git_pieces_from_vcs (tag_prefix, root, verbose, runner=run_command)
- def do_vcs_install (manifest_in, versionfile_source, ipy)
- def versions_from_parentdir (parentdir_prefix, root, verbose)
- def versions_from_file (filename)
- def write_to_version_file (filename, versions)
- def plus_or_dot (pieces)
- def render_pep440 (pieces)
- def render_pep440_branch (pieces)
- def pep440_split_post (ver)
- def render_pep440_pre (pieces)
- def render_pep440_post (pieces)
- def render_pep440_post_branch (pieces)
- def render_pep440_old (pieces)
- def render_git_describe (pieces)
- def render_git_describe_long (pieces)
- def render (pieces, style)
- def get_versions (verbose=False)
- def get_version ()
- def get_cmdclass (cmdclass=None)
- def do_setup ()
- def scan_setup_py ()

Variables

- string SHORT_VERSION_PY
- string CONFIG_ERROR
- string SAMPLE_CONFIG
- string OLD_SNIPPET
- string INIT_PY_SNIPPET
- cmd = sys.argv[1]
- def errors = do_setup()

Index