Pacemaker Python API

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the Pacemaker project contributors

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The APIs are documented here in submodules, but each submodule class is included at the top level, so code should import directly from the `pacemaker` module. For example, use `from pacemaker import BuildOptions`, not `from pacemaker.buildoptions import BuildOptions`.

CHAPTER

ONE

API

pacemaker	API reference documentation for the *pacemaker* package.
pacemaker.buildoptions	A module providing information on build-time configuration of pacemaker.
pacemaker.exitstatus	A module providing constants relating to why a process or function exited.

1.1 pacemaker

API reference documentation for the *pacemaker* package.

1.2 pacemaker.buildoptions

A module providing information on build-time configuration of pacemaker.

Classes

BuildOptions	Variables generated as part of the ./configure && make process.

1.2.1 pacemaker.buildoptions.BuildOptions

class pacemaker.buildoptions.**BuildOptions**

Bases: `object`

Variables generated as part of the ./configure && make process.

These affect how pacemaker was configured and where its various parts get installed.

__init__()

Initialize self. See help(type(self)) for accurate signature.

Attributes

BASH_PATH	Path to the bash shell.
CIB_DIR	Where CIB files are stored.
CIB_SCHEMA_VERSION	Latest supported CIB schema version number.
COROSYNC_CONFIG_FILE	Path to the corosync config file.
DAEMON_DIR	Where Pacemaker daemons are installed.
DAEMON_USER	User to run Pacemaker daemons as.
DATA_DIR	Where read-only architecture-independent data is stored.
INIT_DIR	Where LSB init scripts are stored.
LIBEXEC_DIR	Where programs started by other programs are stored.
LOCAL_STATE_DIR	Where miscellaneous temporary state files are stored.
LOG_DIR	Where Pacemaker log files are stored.
OCF_RA_INSTALL_DIR	Where resource agents are installed.
OCF_ROOT_DIR	Root directory for OCF resource agents and libraries.
PACEMAKER_CONFIG_DIR	Where configuration files such as authkey are kept.
REMOTE_ENABLED	True if Pacemaker Remote support is enabled.
RSC_TMP_DIR	Where resource agents should keep state files.
RUNTIME_STATE_DIR	Where runtime data is stored.
SBIN_DIR	Where administrative programs are installed.
SCHEMA_DIR	Where Relax-NG schema files are stored.
UNIT_DIR	Where system-wide systemd unit files are stored.
XMLLINT_PATH	Path to the xmllint program.

BASH_PATH = '/usr/bin/bash'
Path to the bash shell.

CIB_DIR = '/var/lib/pacemaker/cib'
Where CIB files are stored.

CIB_SCHEMA_VERSION = '4.0'
Latest supported CIB schema version number.

COROSYNC_CONFIG_FILE = '/etc/corosync/corosync.conf'
Path to the corosync config file.

DAEMON_DIR = '/usr/libexec/pacemaker'
Where Pacemaker daemons are installed.

DAEMON_USER = 'hacluster'
User to run Pacemaker daemons as.

DATA_DIR = '/usr/share'
Where read-only architecture-independent data is stored.

INIT_DIR = '/etc/init.d'
Where LSB init scripts are stored.

LIBEXEC_DIR = '/usr/libexec'
Where programs started by other programs are stored.

LOCAL_STATE_DIR = '/var'
Where miscellaneous temporary state files are stored.

`LOG_DIR = '/var/log/pacemaker'`
Where Pacemaker log files are stored.

`OCF_RA_INSTALL_DIR = '/usr/lib/ocf/resource.d'`
Where resource agents are installed.

`OCF_ROOT_DIR = '/usr/lib/ocf'`
Root directory for OCF resource agents and libraries.

`PACEMAKER_CONFIG_DIR = '/etc/pacemaker'`
Where configuration files such as authkey are kept.

`REMOTE_ENABLED = True`
True if Pacemaker Remote support is enabled.

`RSC_TMP_DIR = '/run/resource-agents'`
Where resource agents should keep state files.

`RUNTIME_STATE_DIR = '/run'`
Where runtime data is stored.

`SBIN_DIR = '/usr/sbin'`
Where administrative programs are installed.

`SCHEMA_DIR = '/usr/share/pacemaker'`
Where Relax-NG schema files are stored.

`UNIT_DIR = '/usr/lib/systemd/system'`
Where system-wide systemd unit files are stored.

`XMLLINT_PATH = '/usr/bin/xmllint'`
Path to the xmllint program.

1.3 pacemaker.exitstatus

A module providing constants relating to why a process or function exited.

Classes

ExitStatus	Exit status codes for a function or process.

1.3.1 pacemaker.exitstatus.ExitStatus

`class pacemaker.exitstatus.ExitStatus`
Bases: `enum.IntEnum`

Exit status codes for a function or process.

These constants describe both success and failure conditions.

`__init__()`
Initialize self. See help(type(self)) for accurate signature.

Attributes

CANTCREAT
CONFIG
DATAERR
DEGRADED
DEGRADED_PROMOTED
DIGEST
DISCONNECT
ERROR
EXISTS
EXPIRED
FAILED_PROMOTED
FATAL
INDETERMINATE
INSUFFICIENT_PRIV
INVALID_PARAM
IOERR
MAX
MULTIPLE
NOHOST
NOINPUT
NONE
NOPERM
NOSUCH
NOT_CONFIGURED
NOT_INSTALLED
NOT_RUNNING
NOT_YET_IN_EFFECT
NOUSER
OK
OLD
OSERR
OSFILE
PANIC
PROMOTED
PROTOCOL
QUORUM
SOFTWARE
TEMPFAIL
TIMEOUT
UNAVAILABLE
UNIMPLEMENT_FEATURE
UNSAFE
UNSATISFIED
USAGE

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