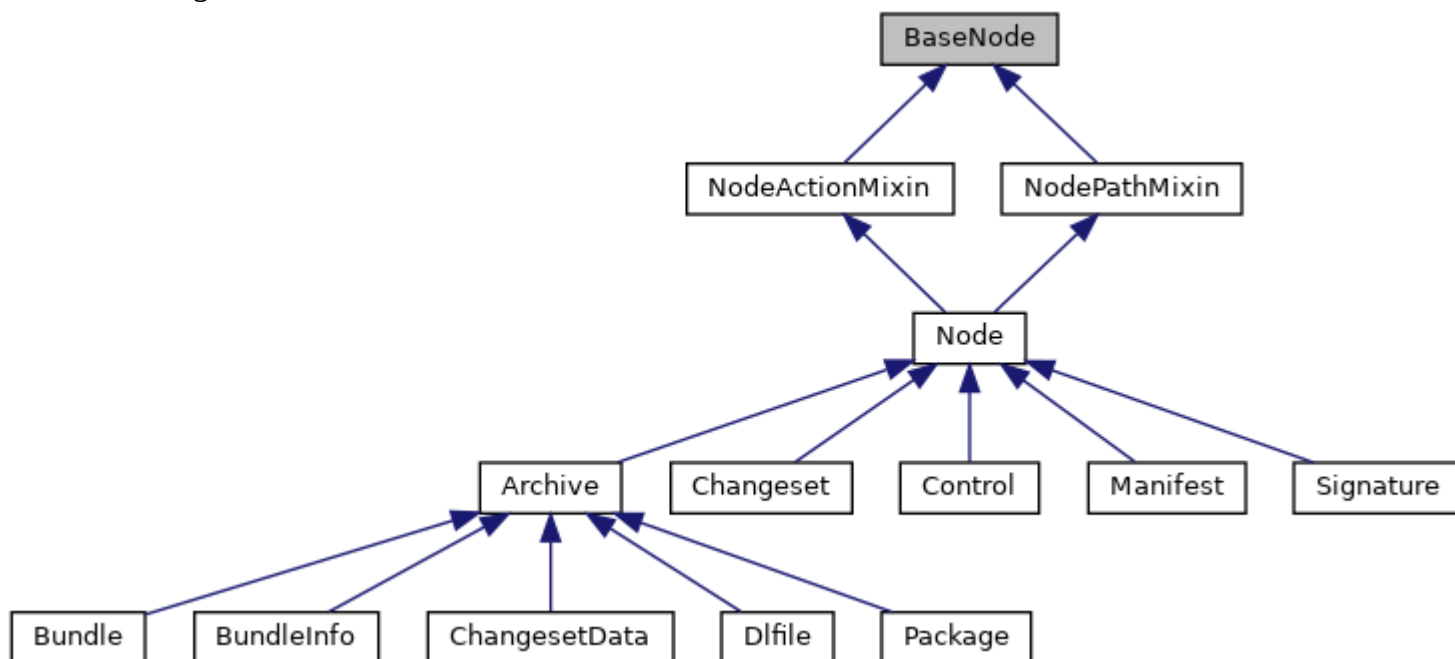


BaseNode Class Reference

Inheritance diagram for BaseNode:



[\[legend\]](#)

Public Member Functions

def [__init__](#) (self, [name](#)=None, [parent](#)=None, [tarinfo](#)=None)

str [get_type_str](#) (self)
Returns node type as string Supported are: "Package", "Bundle", "Dfile", "Signature", "Control", "Manifest", "Dir", "File", "Symlink". [More...](#)

bool [is_csd](#) (self)
Test if node is a CSD. [More...](#)

bool [is_inf](#) (self)
Test if node is an INF. [More...](#)

bool [is_manifest](#) (self)

bool Test if node is a manifest. [More...](#)
 bool [is_changeset](#) (self)
 Test if node is a changeset. [More...](#)
 bool [is_archive](#) (self)
 Test if node is an archive. [More...](#)
 bool [is_dlfile](#) (self)
 Test if node is a dlfile. [More...](#)
 bool [is_bundle](#) (self)
 Test if node is a bundle. [More...](#)
 bool [is_package](#) (self)
 Test if node is a package. [More...](#)
 bool [is_signature](#) (self)
 Test if node is a signature. [More...](#)
 bool [is_control](#) (self)
 Test if node is a control. [More...](#)
 def [mark_modified](#) (self)
 def [get_parent_archive](#) (self)
 Retrieve parent archive node. [More...](#)
 def [get_platform](#) (self)
 Retrieve platform for this node. [More...](#)
 def [get_root_archive](#) (self)
 Retrieve root archive node Root archive node has no parent archive. [More...](#)
 int [get_index](#) (self)
 Retrieve index of this node in the list of its parent's children. [More...](#)
 def [get_signer](#) (self)
 def [__str__](#) (self)

Static Public Member Functions

tarfile.TarInfo [create_tarinfo](#) (str tarinfo_name, entry_type)
 Tarinfo creation helper. [More...](#)
 def [create_node](#) (tarinfo_name, entry_type)

Data Fields

[name](#)
 node name (str) [More...](#)
[parent](#)
 parent node ([BaseNode](#)) [More...](#)
[children](#)

children of this node in order. [More...](#)

[tarinfo](#)

Tarinfo object containing the type of archive entry, path, user, group, permission, etc. [More...](#)

[file_content](#)

Object representing the content of the file. [More...](#)

[signature_nodes](#)

Nodes holding signature of this node. [More...](#)

Detailed Description

Base node class for all nodes

Constructor & Destructor Documentation

[?](#) `__init__()`

```
def __init__( self,  
              name = None,  
              parent = None,  
              tarinfo = None  
            )
```

Reimplemented in [Signature](#), [Control](#), [Changeset](#), [Manifest](#), and [Node](#).

Member Function Documentation

[?](#) `__str__()`

```
def __str__( self )
```

[?](#) `create_node()`

```
def create_node ( tarinfo_name,  
                  entry_type      static  
                )
```

Reimplemented in [Node](#).

[? create_tarinfo\(\)](#)

```
tarfile.TarInfo create_tarinfo ( str tarinfo_name,  
                                entry_type      static  
                                )
```

Tarinfo creation helper.

Parameters

tarinfo_name name for tarinfo

entry_type type of tar entry (see TarInfo)

Returns

TarInfo instance created

[? get_index\(\)](#)

```
int get_index ( self )
```

Retrieve index of this node in the list of its parent's children.

Returns

0-based index of this node

[? get_parent_archive\(\)](#)

```
def get_parent_archive ( self )
```

Retrieve parent archive node.

Returns

Parent archive node, itself if no parent

[? get_platform\(\)](#)

```
def get_platform ( self )
```

Retrieve platform for this node.

Returns

platform instance

[? get_root_archive\(\)](#)

```
def get_root_archive ( self )
```

Retrieve root archive node Root archive node has no parent archive.

Returns

Root archive node

[? get_signer\(\)](#)

```
def get_signer ( self )
```

[? get_type_str\(\)](#)

```
str get_type_str ( self )
```

Returns node type as string Supported are: "Package", "Bundle", "Dlfile", "Signature", "Control", "Manifest", "Dir", "File", "Symlink".

Returns

node type string or 'Unknown'

[? is_archive\(\)](#)

```
bool is_archive ( self )
```

Test if node is an archive.

Returns

True if it is an archive, False otherwise

[? is_bundle\(\)](#)

```
bool is_bundle ( self )
```

Test if node is a bundle.

Returns

True if it is a bundle, False otherwise

[?](#) **is_changeset()**

bool is_changeset (*self*)

Test if node is a changeset.

Returns

True if it is a changeset, False otherwise

[?](#) **is_control()**

bool is_control (*self*)

Test if node is a control.

Returns

True if it is a control file, False otherwise

[?](#) **is_csd()**

bool is_csd (*self*)

Test if node is a CSD.

Returns

True if it is an archive, False otherwise

[?](#) **is_dlfile()**

bool is_dlfile (*self*)

Test if node is a dlfile.

Returns

True if it is a dlfile, False otherwise

[?](#) **is_inf()**

bool is_inf (*self*)

Test if node is an INF.

Returns

True if it is an archive, False otherwise

[?](#) **is_manifest()**

bool is_manifest (*self*)

Test if node is a manifest.

Returns

True if it is a manifest, False otherwise

[?](#) **is_package()**

bool is_package (*self*)

Test if node is a package.

Returns

True if it is a package, False otherwise

[?](#) **is_signature()**

bool is_signature (*self*)

Test if node is a signature.

Returns

True if it is a signature, False otherwise

[?](#) **mark_modified()**

def mark_modified (*self*)

Field Documentation

? children

children

children of this node in order.

Keys are node name, values [BaseNode](#) instances

? file_content

file_content

Object representing the content of the file.

? name

name

node name (str)

? parent

parent

parent node ([BaseNode](#))

? signature_nodes

signature_nodes

Nodes holding signature of this node.

? tarinfo

tarinfo

Tarinfo object containing the type of archive entry, path, user, group, permission, etc.

see TarInfo documentation

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

- `sys/import/packman/packmanlib/basenode.py`