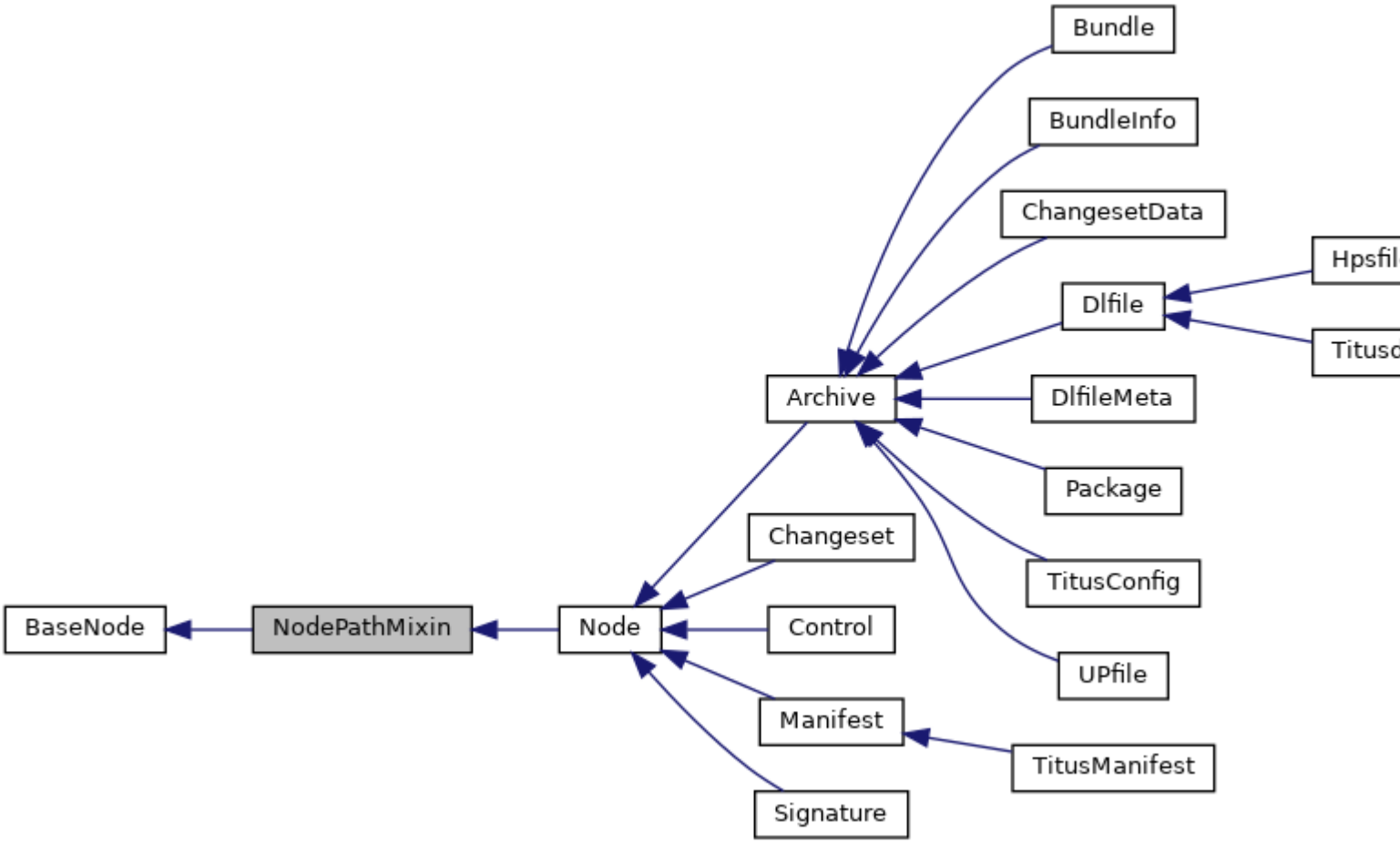
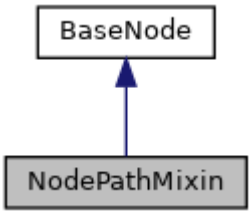
NodePathMixin Class Reference

Inheritance diagram for NodePathMixin:



[legend]

Collaboration diagram for NodePathMixin:



[legend]

Public Member Functions

def	get_path_nodes (self, include_root=False, within_archive=False)
str	get_path (self, include_root=False, within_archive=False) Retrieve path of this node within the archive or withing whole tree of archives Separator '/' is used within archives and for recursion into archives. More...
int	get_depth (self, within_archive=False) Retrieve depth of node within the archive or within whole tree of archives. More...
def	find (self, str node_path) Find node according to node path provided. More...
def	find_re (self, str node_path_re) Find node according to regular expression node path provided Search will look for regex matching node name match along the path. More...
bool	has_ancestor (self, ancestor) Find if node has another node as ancestor. More...
bool	has_ancestor_name (self, ancestor_name) Find if node has an ancestor with provided name (or in list of names) More...

▸ Public Member Functions inherited from BaseNode

def	__init__ (self, str name=None, BaseNode parent=None, tarfile.TarInfo tarinfo=None)
str	get_type_str (self) Returns node type as string Supported are: "Package", "Bundle", "Dlfile", "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_meta (self) Test if node is a META. More...
bool	is_manifest (self) Test if node is a manifest. More...
bool	is_titus_manifest (self) Test if node is a titus 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_titusdl (self)
	Test if node is a titusdl. More...
bool	is_titusconfig (self)
	Test if node is a titusconfig. More...
bool	is_hpsfile (self)
	Test if node is a dlfile. More...
bool	is_upfile (self)
	Test if node is an upfile. 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)
int	get_mode (self)
	Retrieve file mode of this node. More...
def	__str__ (self)

Additional Inherited Members

▸ Static Public Member Functions inherited from BaseNode

tarfile.TarInfo	create_tarinfo (str tarinfo_name, entry_type)
	Tarinfo creation helper. More...

def create_node (tarinfo_name, entry_type)

Data Fields inherited from BaseNode

name

node name (str) More...

parent

parent node (BaseNode) More...

tarinfo

children of this node in order. More...

file_content

Object representing the content of the file. More...

signature_nodes

Nodes holding signature of this node. More...

additional_signature_nodes

Nodes holding additional signature of this node. More...

Member Function Documentation

? find()

```
def find (      self,
            str  node_path
          )
```

Find node according to node path provided.

Search will look for exact node name match along the path. Example:
dlfile.find("mybundle.tgz/mypackage.tgz/dir/file")

Parameters

node_path node path

Returns

node (BaseNode) if found, None if not

? find_re()

```
def find_re (      self,
              str  node_path_re
            )
```

Find node according to regular expression node path provided Search will look for regex matching node name match along the path.

Only the leaf node is accepted to have multiple matches

Parameters

node_path_re node path regex

Returns

a list of nodes matching, None if none found

? get_depth()

```
int get_depth (   self,
                  within_archive = False
              )
```

Retrieve depth of node within the archive or within whole tree of archives.

Example for 'dlfile.tgz/bundle.tgz/package.tgz/dir/file':

- within_archive=False: -> 4
- within_archive=True: -> 2

Parameters

within_archive stop at first parent archive

Returns

depth of node

? get_path()

```
str get_path (   self,
                 include_root = False,
                 within_archive = False
             )
```

Retrieve path of this node within the archive or withing whole tree of archives Separator '/' is used within archives and for recursion into archives.

Example for 'dlfile.tgz/bundle.tgz/package.tgz/dir/file':

- include_root=False, within_archive=False -> 'bundle.tgz/package.tgz/dir/file'
- include_root=True, within_archive=False -> 'dlfile.tgz/bundle.tgz/package.tgz/dir/file'

- include_root=True/False, within_archive=True -> 'dir/file'
  Parameters
    include_root include root in path
    within_archive stop at first parent archive
  Returns
    path of the node

? get_path_nodes()

```
def get_path_nodes (  self,
                      include_root = False,
                      within_archive = False
                    )
```

? has_ancestor()

```
bool has_ancestor (  self,
                     ancestor
                   )
```

Find if node has another node as ancestor.

Parameters
  ancestor ancestor (BaseNode) to look for

Returns
  return True if ancestor is found

? has_ancestor_name()

```
bool has_ancestor_name (  self,
                          ancestor_name
                        )
```

Find if node has an ancestor with provided name (or in list of names)

Parameters
  ancestor_name ancestor name or list of them to look for

Returns
  return True if ancestor name is found

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

- packman/packmanlib/nodepath.py