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*

`path_actions``

Atomic actions that make up a package installation or removal transaction.

Classes#

`_Action`` |

---|---

`PathAction`` |

`MultiPathAction`` |

`PrefixPathAction`` |

`CreateInPrefixPathAction`` |

`LinkPathAction`` |

`PrefixReplaceLinkAction`` |

`MakeMenuAction`` |

`CompileMultiPycAction`` |

`AggregateCompileMultiPycAction`` | Bunch up all of our compile actions, so that they all get carried out at once.

``CreatePythonEntryPointAction`` |
``CreatePrefixRecordAction`` |
``UpdateHistoryAction`` |
``RegisterEnvironmentLocationAction`` |
``RemoveFromPrefixPathAction`` |
``UnlinkPathAction`` |
``RemoveMenuAction`` |
``RemoveLinkedPackageRecordAction`` |
``UnregisterEnvironmentLocationAction`` |
``CacheUrlAction`` |
``ExtractPackageAction`` |

Attributes#

``FileNotFoundError`` |
---|---
``_MENU_RE`` |
``REPR_IGNORE_KWARGS`` |

FileNotFoundError#

_MENU_RE#

REPR_IGNORE_KWARGS _ = ('transaction_context', 'package_info', 'hold_path')_#

_class __Action#

_property _verified#

_verified _ = False_#

_abstract _verify()#

_abstract _execute()#

_abstract _reverse()#

`_abstract _cleanup()#`

`__repr__()#`

Return repr(self).

`_class _PathAction#`

Bases: ``_Action``

`_abstract property _target_full_path#`

`_class _MultiPathAction#`

Bases: ``_Action``

`_abstract property _target_full_paths#`

`_class _PrefixPathAction(_transaction_context_ , _target_prefix_ ,
_target_short_path_)#`

Bases: ``PathAction``

`_property _target_short_paths#`

`_property _target_full_path#`

`_class _CreateInPrefixPathAction(_transaction_context_ , _package_info_ ,
_source_prefix_ , _source_short_path_ , _target_prefix_ ,
_target_short_path_)#`

Bases: ``PrefixPathAction``

`_property _source_full_path#`

`verify()#`

`cleanup()#`

`_class _LinkPathAction(_transaction_context_ , _package_info_ ,
_extracted_package_dir_ , _source_short_path_ , _target_prefix_ ,
_target_short_path_ , _link_type_ , _source_path_data_)#`

Bases: ``CreateInPrefixPathAction``

`_classmethod _create_file_link_actions(_transaction_context_ , _package_info_
 , _target_prefix_ , _requested_link_type_)#`

`_classmethod _create_directory_actions(_transaction_context_ , _package_info_
 , _target_prefix_ , _requested_link_type_ , _file_link_actions_)#`

`_classmethod`

`_create_python_entry_point_windows_exe_action(_transaction_context_ ,
_package_info_ , _target_prefix_ , _requested_link_type_ , _entry_point_def_)#`

`verify()#`

`execute()#`

`reverse()#`

`_class _PrefixReplaceLinkAction(_transaction_context_ , _package_info_ ,
_extracted_package_dir_ , _source_short_path_ , _target_prefix_ ,
_target_short_path_ , _link_type_ , _prefix_placeholder_ , _file_mode_ ,
_source_path_data_)#`

Bases: `LinkPathAction`

verify()#

execute()#

_class _MakeMenuAction(_transaction_context_ , _package_info_ ,
_target_prefix_ , _target_short_path_)#

Bases: `CreateInPrefixPathAction`

_classmethod _create_actions(_transaction_context_ , _package_info_ ,
_target_prefix_ , _requested_link_type_)#

execute()#

reverse()#

_class _CompileMultiPycAction(_transaction_context_ , _package_info_ ,
_target_prefix_ , _source_short_paths_ , _target_short_paths_)#

Bases: `MultiPathAction`

_property _target_full_paths#

_property _source_full_paths#

_classmethod _create_actions(_transaction_context_ , _package_info_ ,
_target_prefix_ , _requested_link_type_ , _file_link_actions_)#

verify()#

`cleanup()#`

`execute()#`

`reverse()#`

`_class _AggregateCompileMultiPycAction(_* individuals_, ** kw_)#`

Bases: ``CompileMultiPycAction``

Bunch up all of our compile actions, so that they all get carried out at once.

This avoids clobbering and is faster when we have several individual packages requiring compilation.

`_class _CreatePythonEntryPointAction(_transaction_context_ , _package_info_ ,
_target_prefix_ , _target_short_path_ , _module_ , _func_)#`

Bases: `CreateInPrefixPathAction`

```
_classmethod _create_actions(_transaction_context_ , _package_info_ ,  
_target_prefix_ , _requested_link_type_)#
```

```
execute()#
```

```
reverse()#
```

```
_class _CreatePrefixRecordAction(_transaction_context_ , _package_info_ ,  
_target_prefix_ , _target_short_path_ , _requested_link_type_ ,  
_requested_spec_ , _all_link_path_actions_)#
```

Bases: `CreateInPrefixPathAction`

```
_classmethod _create_actions(_transaction_context_ , _package_info_ ,  
_target_prefix_ , _requested_link_type_ , _requested_spec_ ,  
_all_link_path_actions_)#
```

execute()#

reverse()#

_class _UpdateHistoryAction(_transaction_context_ , _target_prefix_ ,
_target_short_path_ , _remove_specs_ , _update_specs_ , _neutered_specs_)#

Bases: `CreateInPrefixPathAction`

_classmethod _create_actions(_transaction_context_ , _target_prefix_ ,
_remove_specs_ , _update_specs_ , _neutered_specs_)#

execute()#

reverse()#

cleanup()#

_class _RegisterEnvironmentLocationAction(_transaction_context_ ,
_target_prefix_)#

Bases: `PathAction`

_abstract property _target_full_path#

verify()#

execute()#

reverse()#

cleanup()#

_class _RemoveFromPrefixPathAction(_transaction_context_ ,
_linked_package_data_ , _target_prefix_ , _target_short_path_)#

Bases: `PrefixPathAction`

verify()#

_class _UnlinkPathAction(_transaction_context_ , _linked_package_data_ ,
_target_prefix_ , _target_short_path_ , _link_type =LinkType.hardlink_)#

Bases: `RemoveFromPrefixPathAction`

execute()#

reverse()#

cleanup()#

_class _RemoveMenuAction(_transaction_context_ , _linked_package_data_ ,
_target_prefix_ , _target_short_path_)#

Bases: `RemoveFromPrefixPathAction`

_classmethod _create_actions(_transaction_context_ , _linked_package_data_ ,
_target_prefix_)#

execute()#

reverse()#

cleanup()#

_class _RemoveLinkedPackageRecordAction(_transaction_context_ ,
_linked_package_data_ , _target_prefix_ , _target_short_path_)#

Bases: `UnlinkPathAction`

execute()#

reverse()#

_class _UnregisterEnvironmentLocationAction(_transaction_context_ ,
_target_prefix_)#

Bases: `PathAction`

`_abstract property _target_full_path#`

`verify()#`

`execute()#`

`reverse()#`

`cleanup()#`

`_class _CacheUrlAction(_url_ , _target_pkgs_dir_ , _target_package_basename_ ,
sha256 =None, _size =None_, _md5 =None_)#`

Bases: ``PathAction``

`_property _target_full_path#`

`verify()#`

`execute(_progress_update_callback =None_)#`

`_execute_local(_source_path_ , _target_package_cache_ ,
_progress_update_callback =None_)#`

`_execute_channel(_target_package_cache_ , _progress_update_callback =None_)#`

`reverse()#`

cleanup()#

__str__()#

Return str(self).

_class _ExtractPackageAction(_source_full_path_ , _target_pkgs_dir_ ,
_target_extracted_dirname_ , _record_or_spec_ , _sha256_ , _size_ , _md5_)#

Bases: `PathAction`

_property _target_full_path#

verify()#

execute(_progress_update_callback =None_)#

reverse()#

cleanup()#

__str__()#

Return str(self).

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