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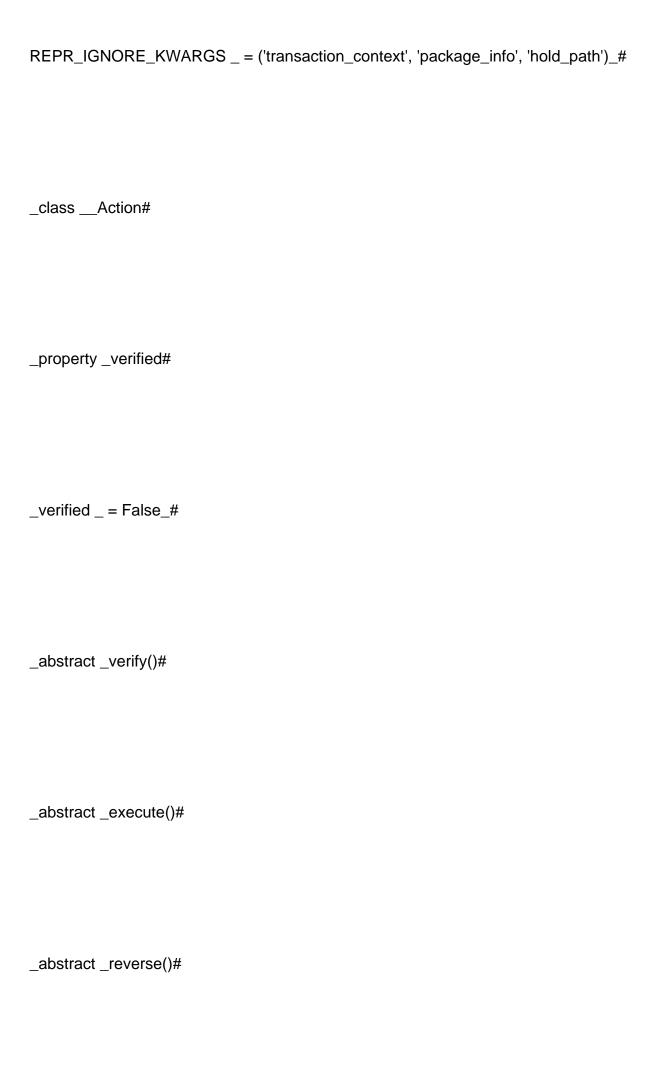
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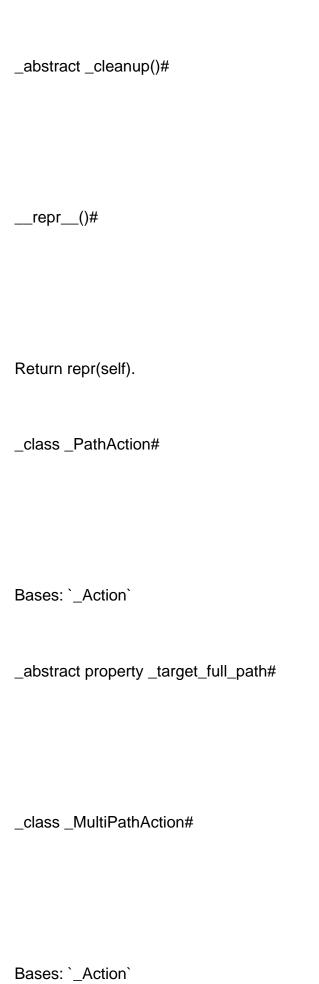
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# `path_actions`#
Atomic actions that make up a package installation or removal transaction.
## Classes#
`_Action` |
---|---
`PathAction` |
`MultiPathAction` |
`PrefixPathAction` |
`CreateInPrefixPathAction` |
`LinkPathAction` |
`PrefixReplaceLinkAction` |
`MakeMenuAction` |
`CompileMultiPycAction` |
`AggregateCompileMultiPycAction` | Bunch up all of our compile actions, so that they all get carried
out at once.
```

* [`cli`](../../conda_env/cli/index.html)

```
`CreatePythonEntryPointAction` |
`CreatePrefixRecordAction` |
`UpdateHistoryAction` |
`RegisterEnvironmentLocationAction` |
`RemoveFromPrefixPathAction` |
`UnlinkPathAction` |
`RemoveMenuAction` |
`RemoveLinkedPackageRecordAction` |
`UnregisterEnvironmentLocationAction` |
`CacheUrlAction` |
`ExtractPackageAction` |
## Attributes#
`FileNotFoundError` |
---|---
`_MENU_RE`|
`REPR_IGNORE_KWARGS` |
FileNotFoundError#
```

_MENU_RE#





```
_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`
\verb| \_classmethod \_create\_actions(\_transaction\_context\_, \_package\_info\_,
_target_prefix_ , _requested_link_type_)#
execute()#
```

```
_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()#
```

reverse()#



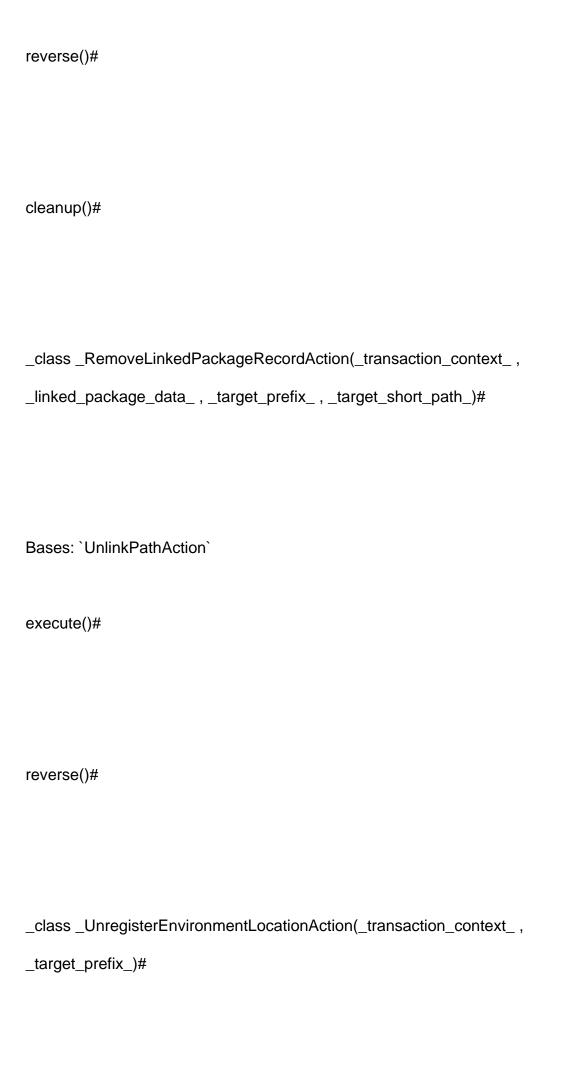
```
Bases: `CreateInPrefixPathAction`
_classmethod _create_actions(_transaction_context_ , _package_info_ ,
_target_prefix_ , _requested_link_type_)#
execute()#
reverse()#
_class _CreatePrefixRecordAction(_transaction_context_ , _package_info_ ,
_target_prefix_ , _target_short_path_ , _requested_link_type_ ,
_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_)#
```

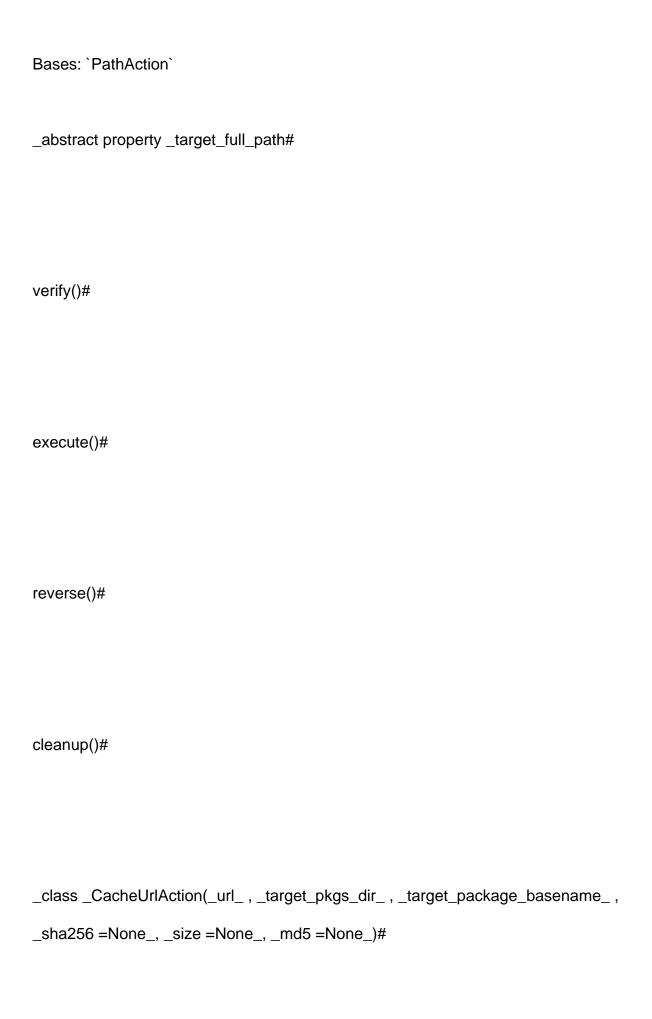
```
execute()#
reverse()#
_class _UpdateHistoryAction(_transaction_context_ , _target_prefix_ ,
_target_short_path_, _remove_specs_, _update_specs_, _neutered_specs_)#
Bases: `CreateInPrefixPathAction`
_classmethod _create_actions(_transaction_context_ , _target_prefix_ ,
_remove_specs_ , _update_specs_ , _neutered_specs_)#
execute()#
```



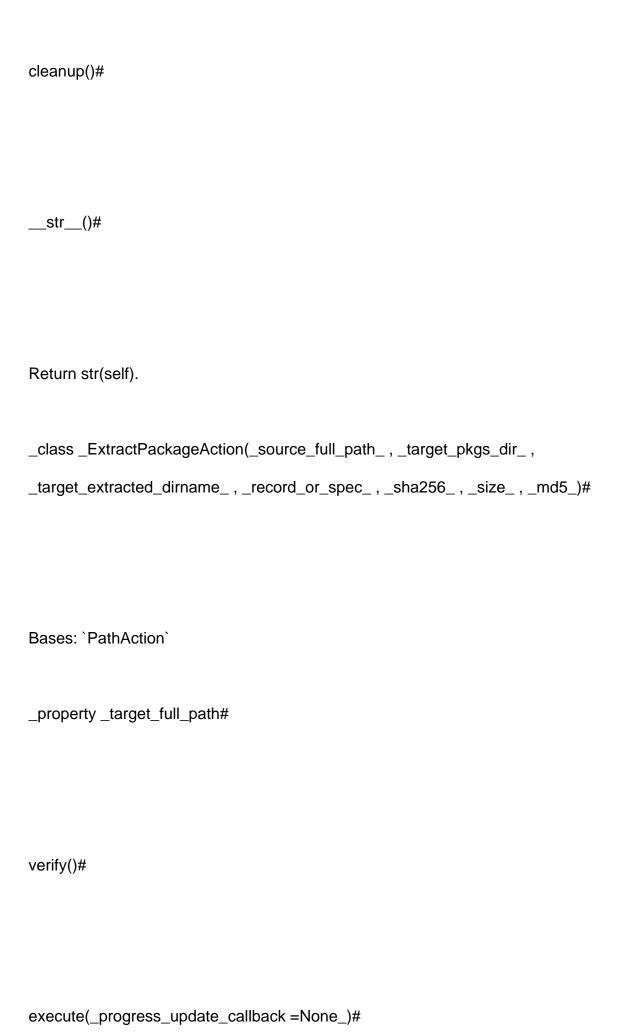
```
reverse()#
cleanup()#
_class _RemoveFromPrefixPathAction(_transaction_context_ ,
_linked_package_data_ , _target_prefix_ , _target_short_path_)#
Bases: `PrefixPathAction`
verify()#
_class _UnlinkPathAction(_transaction_context_ , _linked_package_data_ ,
_target_prefix_ , _target_short_path_ , _link_type =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()# |
| str()# |
| Return str(self). |
| On this page |
| * Classes |
| * Attributes |
| * `FileNotFoundError` |
| *`_MENU_RE` |
| * `REPR_IGNORE_KWARGS` |
| * `_Action` |
| * `_Action.verified` |
| * `_Actionverified` |

```
* `_Action.verify()`
 * `_Action.execute()`
 * `_Action.reverse()`
 * `_Action.cleanup()`
 * `_Action.__repr__()`
* `PathAction`
 * `PathAction.target_full_path`
* `MultiPathAction`
 * `MultiPathAction.target_full_paths`
* `PrefixPathAction`
 * `PrefixPathAction.target_short_paths`
 * `PrefixPathAction.target_full_path`
* `CreateInPrefixPathAction`
 * `CreateInPrefixPathAction.source_full_path`
 * `CreateInPrefixPathAction.verify()`
 * `CreateInPrefixPathAction.cleanup()`
* `LinkPathAction`
 * `LinkPathAction.create_file_link_actions()`
 * `LinkPathAction.create_directory_actions()`
 * `LinkPathAction.create_python_entry_point_windows_exe_action()`
 * `LinkPathAction.verify()`
 * `LinkPathAction.execute()`
 * `LinkPathAction.reverse()`
* `PrefixReplaceLinkAction`
 * `PrefixReplaceLinkAction.verify()`
 * `PrefixReplaceLinkAction.execute()`
```

* `MakeMenuAction`

- * `MakeMenuAction.create_actions()`
- * `MakeMenuAction.execute()`
- * `MakeMenuAction.reverse()`
- * `CompileMultiPycAction`
 - * `CompileMultiPycAction.target_full_paths`
 - * `CompileMultiPycAction.source_full_paths`
- * `CompileMultiPycAction.create_actions()`
- * `CompileMultiPycAction.verify()`
- * `CompileMultiPycAction.cleanup()`
- * `CompileMultiPycAction.execute()`
- * `CompileMultiPycAction.reverse()`
- * `AggregateCompileMultiPycAction`
- * `CreatePythonEntryPointAction`
 - * `CreatePythonEntryPointAction.create_actions()`
 - * `CreatePythonEntryPointAction.execute()`
 - * `CreatePythonEntryPointAction.reverse()`
- * `CreatePrefixRecordAction`
 - * `CreatePrefixRecordAction.create_actions()`
 - * `CreatePrefixRecordAction.execute()`
 - * `CreatePrefixRecordAction.reverse()`
- * `UpdateHistoryAction`
 - * `UpdateHistoryAction.create_actions()`
 - * `UpdateHistoryAction.execute()`
 - * `UpdateHistoryAction.reverse()`
 - * `UpdateHistoryAction.cleanup()`
- * `RegisterEnvironmentLocationAction`
 - * `RegisterEnvironmentLocationAction.target_full_path`

- * `RegisterEnvironmentLocationAction.verify()`
- * `RegisterEnvironmentLocationAction.execute()`
- * `RegisterEnvironmentLocationAction.reverse()`
- * `RegisterEnvironmentLocationAction.cleanup()`
- * `RemoveFromPrefixPathAction`
 - * `RemoveFromPrefixPathAction.verify()`
- * `UnlinkPathAction`
 - * `UnlinkPathAction.execute()`
 - * `UnlinkPathAction.reverse()`
 - * `UnlinkPathAction.cleanup()`
- * `RemoveMenuAction`
 - * `RemoveMenuAction.create_actions()`
 - * `RemoveMenuAction.execute()`
 - * `RemoveMenuAction.reverse()`
 - * `RemoveMenuAction.cleanup()`
- * `RemoveLinkedPackageRecordAction`
 - * `RemoveLinkedPackageRecordAction.execute()`
 - * `RemoveLinkedPackageRecordAction.reverse()`
- * `UnregisterEnvironmentLocationAction`
 - * `UnregisterEnvironmentLocationAction.target_full_path`
 - * `UnregisterEnvironmentLocationAction.verify()`
 - * `UnregisterEnvironmentLocationAction.execute()`
 - * `UnregisterEnvironmentLocationAction.reverse()`
 - * `UnregisterEnvironmentLocationAction.cleanup()`
- * `CacheUrlAction`
 - * `CacheUrlAction.target_full_path`
 - * `CacheUrlAction.verify()`

```
* `CacheUrlAction.execute()`
   * `CacheUrlAction._execute_local()`
   * `CacheUrlAction._execute_channel()`
   * `CacheUrlAction.reverse()`
   * `CacheUrlAction.cleanup()`
   * `CacheUrlAction.__str__()`
  * `ExtractPackageAction`
   * `ExtractPackageAction.target_full_path`
   * `ExtractPackageAction.verify()`
   * `ExtractPackageAction.execute()`
   * `ExtractPackageAction.reverse()`
   * `ExtractPackageAction.cleanup()`
   * `ExtractPackageAction.__str__()`
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Dashboard")
```

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