
ESM RCFile Documentation

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Dirk Barbi

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ESM Tool to read / write rcfile

- Free software: GNU General Public License v2
- Documentation: <https://esm-rcfile.readthedocs.io>.

CHAPTER 1

Usage

This package contains functions to set, get, and use entries stored in the esmtoolsrc file.

To use ESM RCFile in a project:

```
import esm_rcfile
```

You can set specific values in the ~/.esmtoolsrc with:

```
set_rc_entry(key, value)
```

For example:

```
>>> set_rc_entry("SCOPE_CONFIG", "/pf/a/a270077/Code/scope/configs/")
```

Retrieving an entry:

```
>>> fpath = get_rc_entry("FUNCTION_PATH")
>>> print(fpath)
/pf/a/a270077/Code/esm_tools/esm_tools/configs
```

With a default value for a non-existing key:

```
>>> scope_config = get_rc_entry("SCOPE_CONFIG", "/dev/null")
>>> print(scope_config)
/dev/null
```

Without a default value, you get EsmRcfileError:

```
>>> echam_namelist = get_rc_entry("ECHAM_NMLDIR")
EsmRcFileError: No value for ECHAM_NMLDIR found in esmtoolsrc file!!
```

This error is also raised if there is no ~/.esmtoolsrc file, and no default is provided.

You can also get the entire rcfile as a dict:

```
>>> rcdict = import_rc_file()
```

1.1 API Documentation

exception `esm_rcfile.esm_rcfile.EsmRcfileError`

Bases: `Exception`

`esm_rcfile.esm_rcfile.get_rc_entry(key, default=None)`

Gets a specific entry

Parameters

- **key** (*str*) –
- **default** (*str*) –

Returns Value for key, or default if provided

Return type `str`

Raises

EsmRcfileError – * Raised if key cannot be found in the rcfile and no default is provided

- Raised if the esmttoolsrc file cannot be found and no default is provided.

`esm_rcfile.esm_rcfile.import_rc_file()`

Gets current values of the esmttoolsrc file

Returns A dictionary representation of the rcfile

Return type `dict`

`esm_rcfile.esm_rcfile.set_rc_entry(key, value)`

Sets values in esmttoolsrc

Parameters

- **key** (*str*) –
- **value** (*str*) –

Note: Using this functions modifies the `rcfile`; which is stored in the current user's home directory.

CHAPTER 2

Indices and tables

- `genindex`
- `modindex`
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