
ExpandObjects Documentation

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Edwin Lee & Jason Glazer

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Exception Classes

`expandobjects.main.main()`

This is the main command line entry point to this library. After a pip install, a binary will be available on the Python bin path called “expand_objects”, which provides an entry point into this function.

Currently this function accepts two positional arguments: 1. The name of the file to be expanded 2. An optional output name. If not provided, the output file will be expanded.idf (in the input file directory)

Example usage: \$ expand_objects /path/to/my.idf /path/to/expanded_file_name.idf

`expandobjects.main.sub_worker(these_argv, raise_exceptions=False, print_error_messages=True)`

This does the heavy lifting of processing command line args and preparing for an actual expansion

`expandobjects.main.usage(binary_name)`

Provides a usage string that can be printed to terminal or otherwise

Exception Classes

exception `expandobjects.exceptions.BasePyExpandObjectsException`

Base class for all PyExpandObjects related exceptions

exception `expandobjects.exceptions.FileIOProblem`

Raised when there is a file IO problem, such as a file getting deleted

exception `expandobjects.exceptions.InvalidCommandLineArguments`

Raised when there is a problem with the command line arguments

exception `expandobjects.exceptions.VirtualMethodUse(base_class_name, method_name)`

Raised when a pure virtual method is called instead of calling the derived class method

Expansion Classes

class `expandobjects.expansions.expansion_base.BaseExpansion`

The base ExpandObjects rule class, to be derived for each expansion rule

do_idf_expansion (*input_context*)

Virtual method for performing an expansion on IDF, should take some form of IDF object and return ...

do_json_expansion (*input_context*)

Virtual method for performing an expansion on JSON, should take an object and return one

IO Classes

class `expandobjects.io.input_base.BaseInputProcessor`

The base input processor class, to be derived for IDF and JSON classes

read_file ()

Base read_file definition; will need to add arguments and such

CHAPTER 2

Indices and tables

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