Python Restorable Collections Documentation

Release 1.0.0

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Pickleable wrappers for Python collections with non-built-in type keys and cycles or self-references.

Interfaces to collections which solve the problem of unpickleable objects when non-built-in type keys are used and form cycles, either mutually or through self-reference.

A detailed article explaining the problem and this solution will soon be available at: http://www.petrounias.org/articles/

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Prerequisites

Core:

• Python >= 2.7

Obtaining

- Author's website for the project: http://www.petrounias.org/software/python-restorable-collections/
- Git repository on GitHub: https://github.com/petrounias/python-restorable-collections/
- Mercurial repository on BitBucket: http://www.bitbucket.org/petrounias/python-restorable-collections/

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Installation

Via setup tools:

python setup.py install

Via pip and pypi:

pip install python-restorable-collections

Usage

 $Import \ the \ collections \ wrappers \ from \ the \ \verb"restorable_collections" \ module.$

```
from restorable_collections import RestorableDict
```

and use it instead of the corresponding Python object:

```
self.foo = RestorableDict()
self.foo[self] = 42
```

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Table of Contents

Module restorable_collections

The module restorable_collections_tests contains all unit tests associated with this module. Contents:

- Restorable
- RestorableDict
- RestorableDefaultDict
- RestorableOrderedDict
- RestorableSet

Restorable

RestorableDict

RestorableDefaultDict

RestorableOrderedDict

RestorableSet

Release Notes

• v1.0.0 @ 7 Sep 2014 Initial public release.

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Development Status

Actively developed and maintained since 2014. Currently used in production in proprietary projects by the author and his team, as well as other third parties.

Future Work

• Support for non-standard collections, specifically OrderedSet and OrderedDefaultDict.

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Contributors

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