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# **dataflake.cache Documentation**

***Release 1.0dev***

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`dataflake.cache` provides caching implementations based on a very simple API.



# NARRATIVE DOCUMENTATION

Narrative documentation explaining how to use `dataflake.cache`.

## 1.1 Installing `dataflake.cache`

### 1.1.1 How To Install

You will need [Python](#) version 2.4 or better to run `dataflake.cache`. Development of `dataflake.cache` is done primarily under Python 2.4, so that version is recommended.

**Warning:** To successfully install `dataflake.cache`, you will need an environment capable of compiling Python C code. See the documentation about installing, e.g. `gcc` and `python-devel` for your system. You will also need [setuptools](#) installed on within your Python system in order to run the `easy_install` command.

It is advisable to install `dataflake.cache` into a [virtualenv](#) in order to obtain isolation from any “system” packages you’ve got installed in your Python version (and likewise, to prevent `dataflake.cache` from globally installing versions of packages that are not compatible with your system Python).

After you’ve got the requisite dependencies installed, you may install `dataflake.cache` into your Python environment using the following command:

```
$ easy_install dataflake.cache
```

## 1.2 Development

### 1.2.1 Bug tracker

For bug reports, suggestions or questions please use the [Dataflake bug tracker](#).

### 1.2.2 Source code

The source code is maintained in the Dataflake Subversion repository. To check out the trunk:

```
svn co http://svn.dataflake.org/svn/dataflake.cache/trunk/
```

You can also [browse the code online](#).

When using `setuptools` or `zc.buildout` you can use the following URL to retrieve the latest development code as Python egg:

```
http://svn.dataflake.org/svn/dataflake.cache/trunk#egg=dataflake.cache
```

## 1.3 Glossary

**Setuptools** `Setuptools` builds on Python's `distutils` to provide easier building, distribution, and installation of packages.

**Interface** An attribute of a model object that determines its type. It is an instance of a `zope.interface` `Interface` class.

**Zope** The Z Object Publishing Framework. The granddaddy of Python web frameworks.

**Virtualenv** An isolated Python environment. Allows you to control which packages are used on a particular project by cloning your main Python. `virtualenv` was created by Ian Bicking.

## 1.4 dataflake.cache Change History

```
Changelog for dataflake.cache
=====
```

```
0.9 (unreleased)
-----
```

- Initial release based on caching code formerly residing inside `Products.LDAPUserFolder`



# API DOCUMENTATION

API documentation for `dataflake.cache`.

## 2.1 `dataflake.cache.interfaces`

**Interface:** `dataflake.cache.interfaces.ICache` Simple cache interface

**Method:** `invalidate(key=None)` Invalidate the given key, or all key/values if no key is passed.

**Method:** `set(key, value)` Store a key/value pair

**Method:** `get(key=None, default=None)` Get value for the given key, or all values if no key is passed  
If no value is found or the value is invalid, the default value will be returned.

**Interface:** `dataflake.cache.interfaces.ITimeoutCache`

- Extends: `ICache`

Simple cache with a timeout

Only records younger than the configured timeout are returned

**Method:** `setTimeout(timeout)` Set a timeout value in seconds



# SUPPORT

If you need commercial support for this software package, please contact Zetwork GmbH at <http://www.zetwork.com>.



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