
Firefly Documentation

Release 1.0

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Firefly provides graphing of performance metrics from multiple data centers and sources.

USER'S GUIDE

This part of the documentation is mostly for instruction in using Firefly.

1.1 Foreword

1.2 Installation

1.3 Quickstart

1.4 Tutorial

1.5 Configuration

API REFERENCE

2.1 API

2.1.1 Data Server

2.1.2 Data Source

class `firefly.data_source.DataSource(*args, **kwargs)`
Base class for Firefly Data Sources

list_path (*path*)
given an array of path components, list the (presumable) directory

2.1.3 UI Server

2.1.4 Util

`firefly.util.b58decode(encoded)`
Decodes a base58 string to its integer value

`firefly.util.b58encode(value)`
Encodes an integer value as a base58 string

`firefly.util.generate_access_token(key, duration=60)`
Generate an access token valid for the given number of seconds

`firefly.util.import_module(dotted_path)`
Import a module path like 'a.b.c' => c module

`firefly.util.import_module_class(dotted_path)`
Import a module + class path like 'a.b.c.d' => d attribute of c module

`firefly.util.last_dot_splitter(dotted_path)`
Split a string on the last dot.

'aaa.bbb.ccc' => ('aaa.bbb', 'ccc') 'aaa' => ('', 'aaa')

`firefly.util.setup_logging(logger_name)`
Sets up logging to stdout for a service script.

`firefly.util.verify_access_token(token, key)`
Verify that the given access token is still valid. Returns true if it is, false if it either failed to validate or has expired.

A token is a combination of a unix timestamp and a signature

2.2 Data Sources

Each of these classes inherit from `DataSource` and provide a way for Firefly to ingest data.

2.2.1 Ganglia

2.2.2 StatMonster

INDICES AND TABLES

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PYTHON MODULE INDEX

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firefly.data_source, ??
firefly.util, ??