
pypel Documentation

Release 0.3

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pypel is a simple tool to manage receipts. It uses [XMP](#) to store metatada inside receipts so you can share them in a very easy way.

The name is in homage to [Pel](#) of Star Trek DS9.

Installing pypel

1.1 Dependencies

`pypel` requires [GExiv2](#) Python binding version 0.6.1 or superior and [Six](#) version 1.3.0 or superior.

Optionally you can also install [Pygments](#) version 1.5 or superior (for console coloured output) and [python-gnupg](#) version 0.3.0 or superior (for signing and verifying receipts).

To run the testsuite you need [Pillow](#) version 2.0.0 or superior.

1.2 Installation

Simply install `pypel` using `pip`:

```
$ pip install pypel
```

Alternatively you can directly install from the git repository using `pip`.

For example, if you want to install version 0.3 from the git repository you have to do:

```
$ pip install -e git+https://github.com/eriol/pypel/@0.3#egg=pypel
```

Command line

The **pypel** script is the main tool of the `pypel` package. It simplifies receipts management providing several commands.

2.1 Command line usage

```
$ pypel --help
usage: pypel [-h] [-v] {show,set,del,sum,gpg} ...

Easy receipts management.

positional arguments:
  {show,set,del,sum,gpg}
                        commands
  show                  Show receipts' metadata
  set                   Set receipts' metadata
  del                   Delete receipts' metadata
  sum                   Sum receipts' price
  gpg                   Sign or verify receipts

optional arguments:
  -h, --help            show this help message and exit
  -v, --version          show program's version number and exit
```

2.2 pypel commands

- **show**: *Show receipts' metadata*
- **set**: *Set receipts' metadata*
- **del**: *Delete receipts' metadata*
- **sum**: *Sum receipts' price*
- **gpg**: *Sign or verify receipts*

Note: Receipts' supported extensions are: jpg, jpeg, png, eps.

2.2.1 Show receipts' metadata

```
pypel show [-h] [-v] [-c] receipt [receipt ...]
```

-c, --color

Colorize the output. Useful only if you use `--verify` option.

Note: `Pygments` version 1.5 or superior is required.

-v, --verify

Verify receipts.

Note: `python-gnupg` version 0.3.0 or superior is required.

2.2.2 Set receipts' metadata

```
pypel set [-h] [-p PRICE] [-r RETAILER] [-n NOTE] receipt [receipt ...]
```

-p PRICE, --price PRICE

Set receipt's price to PRICE.

-r RETAILER, --retailer RETAILER

Set receipt's retailer to RETAILER.

-n NOTE, --note NOTE

Set receipt's note to NOTE.

2.2.3 Delete receipts' metadata

```
pypel del [-h] [-p] [-r] [-n] receipt [receipt ...]
```

-p, --price

Delete receipt's price.

-r, --retailer

Delete receipt's retailer.

-n, --note

Delete receipt's note.

2.2.4 Sum receipts' price

Sum receipts' price and print the result.

```
pypel sum [-h] receipt [receipt ...]
```

2.2.5 Sign or verify receipts

Note: `python-gnupg` version 0.3.0 or superior is required.

The GPG Key **pypel** will use is specified by the `PYPELKEY` environment variable.

```
pypel gpg [-h] [-s | -v] receipt [receipt ...]
```

-s, --sign
Sign receipts.

-v, --verify
Verify receipts.

Changelog

3.1 Release 0.4 (in development)

- Enable travis CI.

3.2 Release 0.3 (June 26, 2015)

- Add Python3 support.
- Switch to GExiv2 for XMP metadata management.
- Switch to Pillow for testing.

3.3 Release 0.2 (September 12, 2013)

- Refactor Receipt class to use a class based model.
- Add note field to Receipt model.
- Enhance version handling.
 - Add `__version_info__` tuple and switch to `__version__` for human readable form.

3.4 Release 0.1 (November 02, 2012)

- First public release.

Licensing

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Release 0.3

Symbols

- c, [--color](#)
 - [pypel-show](#) command line option, [6](#)
- n NOTE, [--note](#) NOTE
 - [pypel-set](#) command line option, [6](#)
- n, [--note](#)
 - [pypel-del](#) command line option, [6](#)
- p PRICE, [--price](#) PRICE
 - [pypel-set](#) command line option, [6](#)
- p, [--price](#)
 - [pypel-del](#) command line option, [6](#)
- r RETAILER, [--retailer](#) RETAILER
 - [pypel-set](#) command line option, [6](#)
- r, [--retailer](#)
 - [pypel-del](#) command line option, [6](#)
- s, [--sign](#)
 - [pypel-gpg](#) command line option, [7](#)
- v, [--verify](#)
 - [pypel-gpg](#) command line option, [7](#)
 - [pypel-show](#) command line option, [6](#)

P

- [pypel-del](#) command line option
 - [-n, --note](#), [6](#)
 - [-p, --price](#), [6](#)
 - [-r, --retailer](#), [6](#)
- [pypel-gpg](#) command line option
 - [-s, --sign](#), [7](#)
 - [-v, --verify](#), [7](#)
- [pypel-set](#) command line option
 - [-n NOTE, --note NOTE](#), [6](#)
 - [-p PRICE, --price PRICE](#), [6](#)
 - [-r RETAILER, --retailer RETAILER](#), [6](#)
- [pypel-show](#) command line option
 - [-c, --color](#), [6](#)
 - [-v, --verify](#), [6](#)