

Wagon

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Wheel Format

- PEP427 (1.0)
- PEP491 (v1.9)

Flask-0.10.1-py2-none-any.whl

MarkupSafe-0.23-cp27-none-linux_x86_64.whl

What if you want to
package with
dependencies?

What is wagon?

- Creates and installs wheel based archives including dependencies.
- Can install "offline".
- Provides metadata to allow making installation decisions.

```
pip install wagon
```

Create

```
wagon create -s flask==0.10.1
```

```
Creating archive for flask==0.10.1...
```

```
Package name: flask
```

```
Package version: 0.10.1
```

```
Downloading Wheels for flask==0.10.1...
```

```
Creating archive:
```

```
./flask-0.10.1-py27-none-linux_x86_64-Ubuntu-trus
```

```
Process complete!
```

You can also...

- Create from GitHub URL
- Create from local path
- Exclude packages
- Process req files
- Create zip/tar.gz
- Pass arbitrary pip args

Install

```
wagon install -s flask-0.10.1-py27-none-linux_x86.  
INFO - Installing flask-0.10.1-py27-none-linux_x8  
INFO - Installing flask...
```

```
pip freeze
```

```
Flask==0.10.1  
itsdangerous==0.24  
Jinja2==2.8  
MarkupSafe==0.23  
Werkzeug==0.10.4  
wheel==0.24.0
```


You can also...

- Install from a URL
- Install to a virtualenv
- Upgrade
- Pass arbitrary pip args.

Validate

```
wagon validate -s flask-0.10.1-py27-none-linux_x86_64
INFO - Validating flask-0.10.1-py27-none-linux_x86_64
INFO - Installing flask-0.10.1-py27-none-linux_x86_64
INFO - Installing flask...
INFO - Validation Passed!
```

Metadata

```
wagon showmeta -s flask-0.10.1-py27-none-linux_x86_64-Ubuntu
{
  "archive_name": "flask-0.10.1-py27-none-linux_x86_64-Ubuntu",
  "build_server_os_properties": {
    "distribution": "ubuntu",
    "distribution_release": "trusty",
    "distribution_version": "14.04"
  },
  "excluded_wheels": [],
  "package_name": "flask",
  "package_source": "flask==0.10.1",
  "package_version": "0.10.1",
  "supported_platform": "linux_x86_64",
  "supported_python_versions": [
    "py27"
  ],
  "wheels": [
    "Flask-0.10.1-py2-none-any.whl",
    "Werkzeug-0.10.4-py2.py3-none-any.whl",
    "MarkupSafe-0.23-py27-none-linux_x86_64.whl"
  ]
}
```

Platforms

- Currently supports Python 2.6.x and 2.7.x.
- Supports linux/win/osx.

Naming

- Tries to follow PEP427

```
tox-2.0.0-py2.py3-none-any.whl
```

```
->
```

```
tox-2.0.0-py2.py3-none-any-none-none.wgn
```

Linux Caveats

(stupid ABI)

Project Page

<https://github.com/cloudify-cosmo/wagon>