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# **pyunpack Documentation**

***Release 0.0.2***

**ponty**

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# CONTENTS

<b>1</b>	<b>Background</b>	<b>2</b>
<b>2</b>	<b>Basic usage</b>	<b>3</b>
<b>3</b>	<b>Similar projects</b>	<b>4</b>
<b>4</b>	<b>Installation</b>	<b>5</b>
4.1	General . . . . .	5
4.2	Ubuntu . . . . .	5
4.3	Uninstall . . . . .	5
<b>5</b>	<b>Usage</b>	<b>6</b>
<b>6</b>	<b>command line help</b>	<b>7</b>
<b>7</b>	<b>API</b>	<b>8</b>
<b>8</b>	<b>Indices and tables</b>	<b>9</b>
	<b>Python Module Index</b>	<b>10</b>
	<b>Index</b>	<b>11</b>



## pyunpack

**Date** March 10, 2012

**PDF** [pyunpack.pdf](#)

Contents:

unpack archive files

### Links:

- home: <https://github.com/ponty/pyunpack>
- documentation: <http://ponty.github.com/pyunpack>

### Features:

- unpack archive files without password
- very simple interface
- command line interface and library
- supported python versions: 2.5, 2.6, 2.7
- **back-ends:**
  - [zipfile](#): included in Python
  - [patool](#): It relies on helper applications to handle those archive formats (for example bzip2 for BZIP2 archives). Supported formats: 7z (.7z), ACE (.ace), ALZIP (.alz), AR (.a), ARC (.arc), ARJ (.arj), BZIP2 (.bz2), CAB (.cab), compress (.Z), CPIO (.cpio), DEB (.deb), DMS (.dms), GZIP (.gz), LRZIP (.lrz), LZH (.lha, .lzh), LZIP (.lz), LZMA (.lzma), LZOP (.lzo), RPM (.rpm), RAR (.rar), RZIP (.rz), TAR (.tar), XZ (.xz), ZIP (.zip, .jar) and ZOO (.zoo)

### Known problems:

- Python 3 is not supported
- tested only on linux

# BACKGROUND

**Patool** is very good at unpacking a lot of archive formats, but it can not be used as a python library. `pyunpack` is a workaround: `patool` is called using its command line interface. If **Patool** is not installed then only zip format can be unpacked using the internal python `zipfile` library. **Patool** should be converted into a library in the future.

## BASIC USAGE

```
>>> from pyunpack import Archive
>>> Archive('a.zip').extractall('/path/to')
```

or on console:

```
python -m pyunpack.cli a.zip /path/to
```

## SIMILAR PROJECTS

- [zipfile](#): zip only, included in python
- [patool](#): many formats, command line only
- [python-archive](#): zip and tar only
- [rarfile](#): rar only
- [pyUnRAR2](#): rar only
- [pylzma](#): LZMA only
- [easy-extract](#): many formats, no simple interface for unpacking
- [python-archive](#): zip and tar only
- [pyarchive](#)
- [nested.tar.archives.extractor](#): tar only

# INSTALLATION

## 4.1 General

- install `pip`
- install unpackers for `patool` (optional)
- `patool` is installed by setup script
- install the program:

```
# as root
pip install pyunpack
```

## 4.2 Ubuntu

```
sudo apt-get install python-pip
sudo pip install pyunpack
#optional
sudo apt-get install unzip unrar p7zip-full
```

## 4.3 Uninstall

```
# as root
pip uninstall pyunpack
```



# USAGE

```
>>> from pyunpack import Archive
>>> Archive('x.zip').extractall('/tmp')
```

From console:

```
python -m pyunpack.cli x.zip /tmp
```

# COMMAND LINE HELP

```
$ python -m pyunpack.cli --help
usage: cli.py [-h] [-b BACKEND] [-a] [--debug] filename directory
```

positional arguments:

filename	path to archive file
directory	directory to extract to

optional arguments:

-h, --help	show this help message and exit
-b BACKEND, --backend BACKEND	auto, patool or zipfile
-a, --auto-create-dir	auto create directory
--debug	set logging level to DEBUG

# API

`class pyunpack.Archive (filename, backend='auto')`

**Parameters**

- **backend** – auto, patool or zipfile
- **filename** – path to archive file

`extractall (directory, auto_create_dir=False)`

**Parameters**

- **directory** – directory to extract to
- **auto\_create\_dir** – auto create directory

`extractall_patool (directory)`

`extractall_zipfile (directory)`

`exception pyunpack.PatoolError`

`pyunpack.check_patool ()`

`pyunpack.cli.extractall (filename, directory, backend='auto', auto_create_dir=False)`

**Parameters**

- **backend** – auto, patool or zipfile
- **filename** – path to archive file
- **directory** – directory to extract to
- **auto\_create\_dir** – auto create directory

# INDICES AND TABLES

- *genindex*
- *modindex*
- *search*

# PYTHON MODULE INDEX

## p

`pyunpack`, 8  
`pyunpack.cli`, 8

# INDEX

## A

[Archive \(class in pyunpack\)](#), 8

## C

[check\\_patool\(\) \(in module pyunpack\)](#), 8

## E

[extractall\(\) \(in module pyunpack.cli\)](#), 8

[extractall\(\) \(pyunpack.Archive method\)](#), 8

[extractall\\_patool\(\) \(pyunpack.Archive method\)](#), 8

[extractall\\_zipfile\(\) \(pyunpack.Archive method\)](#), 8

## P

[PatoolError](#), 8

[pyunpack \(module\)](#), 8

[pyunpack.cli \(module\)](#), 8