

Python Overview

The non-committal tour to everything and nothing

Patrice Neff

<http://twitter.com/pneff>

<http://weblog.patrice.ch/>

Why me?

- Prototypes, command line
- news.local.ch
- Nektoon

Python Basics

Hello, World!

```
class Printer(object):  
    """An over-engineered print statement."""  
    def writeln(self, text):  
        """Allows printing with Java naming  
        convention."""  
        print text
```

```
out = Printer()  
out.writeln("Hello, World!")
```

Packages

```
>>> import this
```

```
The Zen of Python, by Tim Peters
```

```
...
```

```
Namespaces are one honking great idea --  
let's do more of those!
```

Python versions

- 2.5 Legacy
- 2.6 Compatible Stable
- 3.0 Incompatible Stable
- <http://docs.python.org/dev/3.0/whatsnew/3.0.html>

Web

WSGI

- Web Server Gateway Interface (PEP 333)
- KISS
- Modern frameworks build on top of WSGI
- Tons of middleware

Django

- Python's Rails
- Easy to get started
- Put a DB on the web

Pylons

- WSGI framework
- Reuses tons of other projects: Paste, SQLAlchemy, Mako, Routes, Beaker, FormEncode, WebError, WebHelpers, WebTest, WebOb
- Great book freely available:
<http://pylonsbook.com/alpha1/toc>
- Not very easy to start, no sexy demo
- Frontend framework for Nektoon

Paste

- <http://pythonpaste.org/developer-features.html>
- WSGI framework
- Favorite feature: urlmap

web.py

- RESTful web framework
- Small and beautiful
- Backend framework for Nektoon

App Engine

- Google's application framework
- Deploy Python applications to their cloud

Notable Packages

httplib2

- <http://code.google.com/p/httplib2/>
- The real HTTP library
- Keep-Alive, Compression, Caching (!)
- You may also like... restclient, boto

nose

- <http://somethingaboutorange.com/mrl/projects/nose/>
- Pragmatic testing
- You may also like... pymox, fixture

virtualenv

- <http://pypi.python.org/pypi/virtualenv>
- Create sandboxes
- Avoid "DLL hell"
- You may also like... virtualenvwrapper

lxml

- <http://codespeak.net/lxml/>
- libxml binding
- You may also like... 4Suite-XML, BeautifulSoup

Thank you

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