BlueBream

The Zope Web Framework

Baiju M

Contents

About Me

- Working as a TechLead at ZeOmega
- Job at FSF India (2002 to 2003)
- Koha Consultant (2003 to 2004)
- Introduced Python to a startup company (2004)
- Founded SMC project in 2001
- Contributor to Zope since 2006
- Authored ZCA book
- Initiated BlueBream project (Jan 2010)
- Conducted many Python workshops & talks

Introduction

- Framework formerly known as Zope 3
- Written in Python
- Free/Open Source Software
- Owned by Zope Foundation
- Zope Public License (BSD like, GPL compatible)
- Developed by Zope community
- Originally created by Jim Fulton in 1996
- Predecessors: Bobo -> Principia -> Zope
- Rewrote in 2001 with ZCA
- Meaning: BueBream = Fish = Zope
- ZTK extracted from Zope 3 (2009)
- BlueBream name change in 2010

Why BlueBream

- Built on top of Zope Tool Kit (ZTK)
- Uses Buildout
- Zope Object Database
- Zope Configuration Markup Language
- Zope Component Architecture
- WSGI

Concepts

- Interface
- ZCA
- Events
- Adapter
- Utility
- Subscriber
- Handler
- Component Registry
- Object Publishing
- View
- Content Object

Concepts (Contd.)

- Container
- Schema
- Widhget
- Layer
- Skin
- Annotation
- Content Provider
- Viewlet

Technologies

- ZODB
- Page Templates
- ZCML
- WSGI
- PasteScript
- PasteDeploy

Installation

- easy_install bluebream
- paster create -t bluebream
- paster serve debug.ini

Development Overview

- Write interfaces
- Write unittests
- Use Adapters & Utilities
- Use WSGI middlewares
- Recommended to use namespace packages

Conclusions

- No Z shaped learning curve
- Easy, Powerful, Scalable Framework
- Play well with Python web ecosystem
- Good community & commercial support
- A unique experience of developing applications

Questions ?

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