



UNIVERSITY OF  
**LOUISVILLE**  
It's Happening Here.



Case Study:

University of Louisville's  
Plone Deployment

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UofL and Plone

# MassDeploy

(we just made it up)

# Why UofL chose Plone

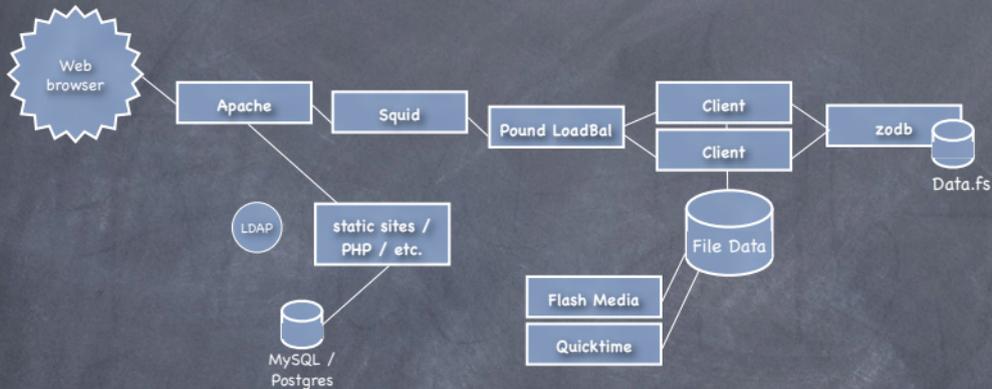
- Need a website? Get a Security Audit!
- Accessibility
- Easy to use
- Integration with basic IT services (Identity Management, etc.)
- Known quantity
- Commercial support
- Enfold desktop



# Who's using Plone today

- Business and Administrative Units, Including:  
Parking; Research; Provost; IT; Graduate School; Admissions; HR; Police;
- Colleges: Education, Medical, Public Health, Engineering,
- Other: Various individual departments, Centers and Institutes, and research groups; 70+ student organizations
- Approximately 250 university departments into a CMS without an official announcement

# Where we started



# Products

- Plone 2.1 pre-release
- Custom UofL product (quota, blob files, SubPlone + \*custom admin interface\*)
- UofL Skins (2)
- Enfold Desktop
- LDAP auth (no groups)
- CalendarX, PloneFormMailer

# Support / Resources

- Support Persons = 1
- Training = 0
- User Support = 1/2
- Documentation = 0

# Users

0

# Time Passes

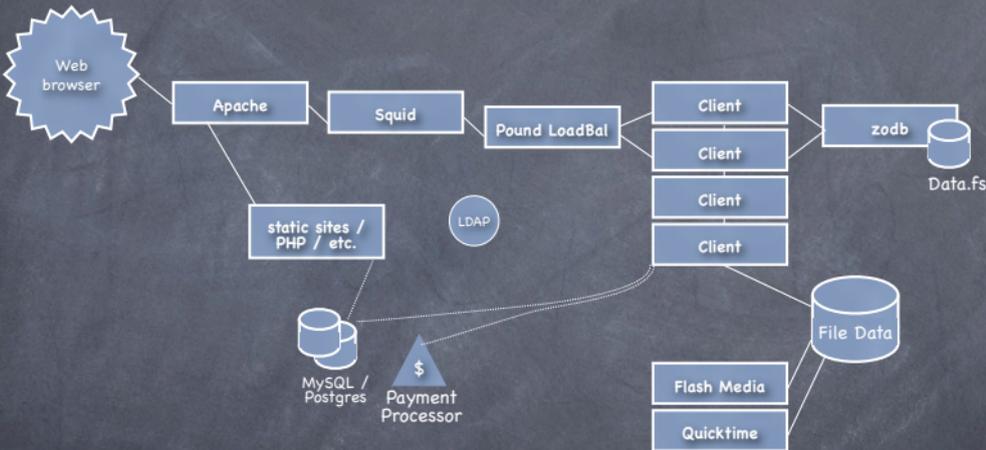
# Software Products

- Plone 2.5.3
- Custom UofL product (quota, blob files + images, SubPlone + \*custom admin interface\*)
- Base UofL Skins (2) + Many custom skins
- LDAP auth + ldap groups
- CalendarX, PloneFormGen, POI, PeopleTool, Graduate Catalog, Site Requests, ...
- Kupu 1.4.8

Users  
300<sup>+/- 10%</sup>  
Sites

Academic departments, schools,  
student groups, researchers,  
business units, centers and  
institutes

# Hardware / Infrastructure



# Support / Resources

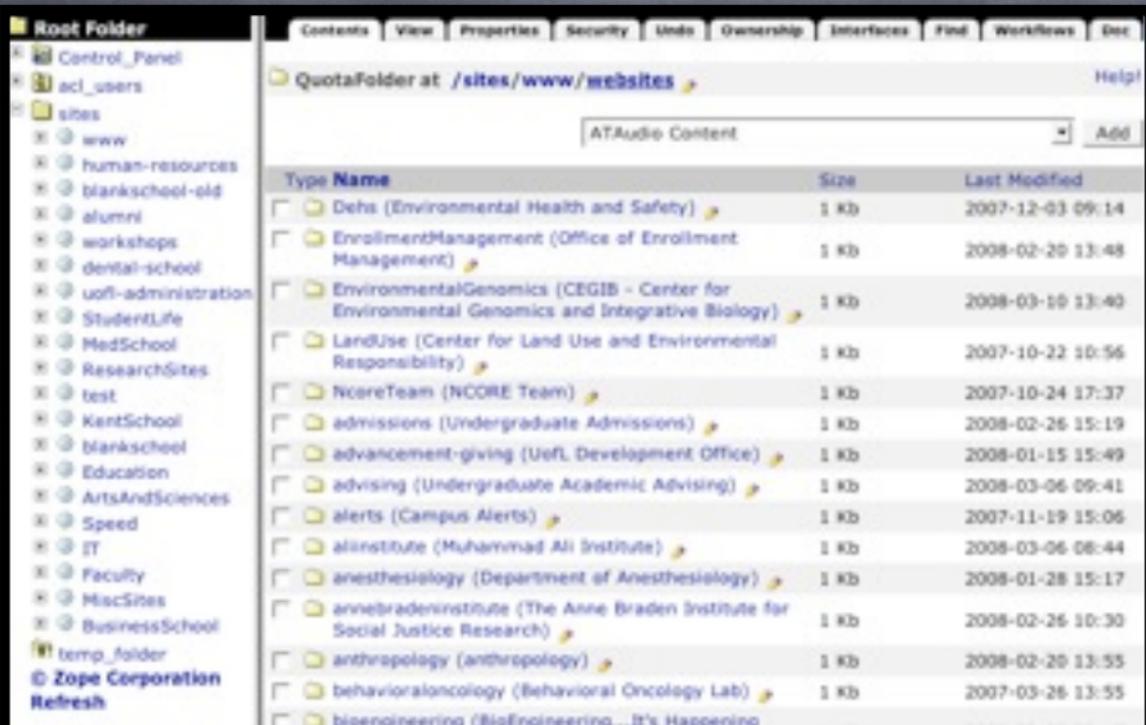
- Support Persons = 1 +
  - Plone-ish Developers +1 -1 +1/2 +2 -1  
= 2 1/2 -ish
- Training
  - CMS Essentials / Site Manager Essentials
  - 200+ people
- Support Group
  - WebGuide
    - Monthly meetings, mailing list  
(200+ people)
- Documentation = Lots more!

# Work it, Baby!

## (MassDeploy Demo)

- Each site gets:
  - SubSite Shell (folder)
  - Apache rewrite
  - Squid rule

• Demo: [dev www-websites](#)

1 Plone per  
school / unit

Root Folder

- Control\_Panel
- acl\_users
- sites
  - www
  - human-resources
  - blankschool-old
  - alumni
  - workshops
  - dental-school
  - uofl-administration
  - StudentLife
  - MedSchool
  - ResearchSites
  - test
  - KentSchool
  - blankschool
  - Education
  - ArtsAndSciences
  - Speed
  - IT
  - Faculty
  - MiscSites
  - BusinessSchool
  - temp\_folder

© Zope Corporation  
Refresh

Contents View Properties Security Undo Ownership Interfaces Find Workflows Doc

QuotaFolder at /sites/www/websites Help

ATAudio Content Add

Type	Name	Size	Last Modified
Folder	Dehs (Environmental Health and Safety)	1 Kb	2007-12-03 09:14
Folder	EnrollmentManagement (Office of Enrollment Management)	1 Kb	2008-02-20 13:48
Folder	EnvironmentalGenomics (CEGIB - Center for Environmental Genomics and Integrative Biology)	1 Kb	2008-03-10 13:40
Folder	LandUse (Center for Land Use and Environmental Responsibility)	1 Kb	2007-10-22 10:56
Folder	NcoreTeam (NCORE Team)	1 Kb	2007-10-24 17:37
Folder	admissions (Undergraduate Admissions)	1 Kb	2008-02-26 15:19
Folder	advancement-giving (UofL Development Office)	1 Kb	2008-01-15 15:49
Folder	advising (Undergraduate Academic Advising)	1 Kb	2008-03-06 09:41
Folder	alerts (Campus Alerts)	1 Kb	2007-11-19 15:06
Folder	alinstitute (Muhammad Ali Institute)	1 Kb	2008-03-06 08:44
Folder	anesthesiology (Department of Anesthesiology)	1 Kb	2008-01-28 15:17
Folder	annebradeninstitute (The Anne Braden Institute for Social Justice Research)	1 Kb	2008-02-26 10:30
Folder	anthropology (anthropology)	1 Kb	2008-02-20 13:55
Folder	behavioraloncology (Behavioral Oncology Lab)	1 Kb	2007-03-26 13:55
Folder	bioengineering (BioEngineering... It's Happening		

2 to 170 sites per Plone

# Departmental Webmaster's Interface

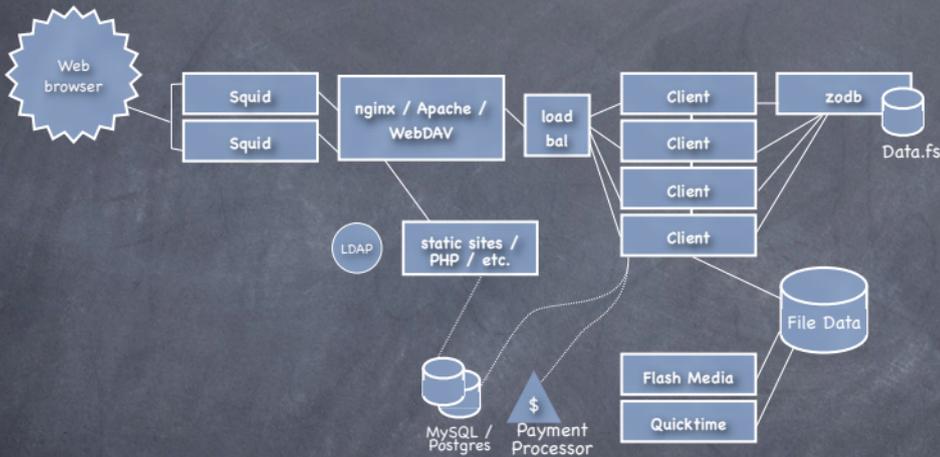


The screenshot shows a webmaster's interface for 'Web Development at U of L'. At the top, there is a search bar with the text 'this site' and a search button. Below the search bar, there are links for 'sysadmin', 'my folder', 'preferences', 'undo', and 'log out'. The main header area contains 'Web Content at UofL' and links for 'Webguide', 'CMS Training', and 'Request a site'. A navigation bar with red buttons includes 'Home', 'Team', 'About', 'CMS', 'Accessibility', 'Docs', 'Support', and 'Forms'. Below this, a breadcrumb trail shows 'you are here: home'. The main content area features a toolbar with buttons for 'contents', 'go to index', 'view', 'edit', 'properties', 'sharing', and 'change owner'. The main heading is 'Web Development at U of L', followed by a paragraph: 'includes web publishing guidelines, working with the Plone CMS, programming techniques, tips for web development, authentication, working with images, and overall web page creation.' Below this is a section titled 'Getting help' with text: 'Check out the [general documentation](#) section, as well as the documentation for the [Content Management System](#). You can get to the [CMS User Manual](#) at: <http://louisville.edu/web/documentation/help-center/manual/plone-2.5-user-manual>'. On the right side, there is a 'news' section with a link to 'Plone CMS User Guide Online' dated '2007-11-15' and a 'More news...' link. The bottom of the browser window shows the status bar with 'Done' and 'Open Notebook'.

# Current challenges/ issues/problems

- Plone / Zope / Python developers - Finding, growing, and retaining people/developers
- Keeping documentation up to date
- Performance tweaks
- Re-education of users and management
- University Politics

# What's next



- + Migration to Plone 3
- + Migrate to new hardware

Ask us anything!

Q&A

# How to contact Us

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