

OpenACS

Open Architecture Community System

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What is OpenACS

- <http://openacs.org/about/what-is-openacs>
- OpenACS is the ArsDigita Community System ported to run on free database servers, initially the PostgreSQL RDBMS, while maintaining compatibility with Oracle.
 - large data model to represent many facets of web collaboration
 - A web application in AOLserver Tcl that sits atop this data model.
 - Documentation that guides a web programmer

Who is Using it ?

- photo.net
- Siemens
- Worldbank
- greenpeace.org
- wgbh.org

History

- Web History – Technical
 - Static Pages
 - Interaction – Gateways – CGI
 - “Portals”
 - Online Communities

History – Perspective

- What is the Internet ?
 - A network of networks
 - Network connecting servers to clients
 -
- What is the Internet (once again) ?
 - Its about **People - connecting people** - if there were no people
- there would be no Internet.
 - Barry Ravindran Green

History – Perspective

- Some Popular Internet Application ?
 - ICQ – much before yahoo, msn
 - HotMail
 - Amazon
- All applications achieved communication between people and succeeded.

History – OpenACS



- Phil Greenspun
 - <http://phillip.greenspun.com>
- ACS – ArsDigita
 - <http://photo.net>
- OpenACS
- [Red Hat CCM
 - <http://ccm.redhat.com>

Architecture

- RDBMS – Postgresql or Oracle
- Scripting – TCL
- Web server – AOLServer
- Application Framework – OpenACS
- <http://philip.greenspun.com/wtr/arsdigita-server-architecture.html>

Architecture

- <http://openacs.org/doc/openacs-4/dev-guide.html>
- Packages
- Data Model and the Object System
- Request Processor
- OpenACS Database Access API
- Templates
- Groups, Context, Permissions
 - [no questions please – i am clueless too !!!]

OpenACS Installation

- <http://openacs.org/doc/openacs-4/acs-admin.html>
- Easy on Linux
 - Install OS
 - Install Postgresql / Oracle
 - Install AOLServer 3.3 + ad13 (binaries available)
 - Install OpenACS 4.6
 - Just untar and use the web installation !

OpenACS Applications

- ACS Interface
- - ACS LDAP Authentication
- - ACS Reference Data
- - Ad Server
- - Address Book
- - Attachments
- Site Demo
- - Content Management System
- - Cronjob
- - Authorize.net Gateway
- - Bboard
- - Bboard portlets
- - Bulk Mail
- - Calendar
- - Chat
- - Clickthrough
- - CMS News

OpenACS Applications

- - E-Commerce
- - Email Handler
- - File Manager
- - GateKeeper
- - Glossary
- - Lars Blogger
- - Monitoring
- - MP3 JukeBox
- - Note
- OpenACS Localization Utils
- - PayFlowPro Gateway
- - Payment Gateway
- - Photo Album
- - Photo Album Lite
- - Portal
- - postcard
- Robot Detection
- - Sample Gateway

Applications

- - Press
- - Ticket Tracker Lite
- - Value-based Shipping
- - Version Control
- - WAP
- - Webmail
- - Shipping Service Contract
- - Simple Survey
- - site-wide-search
- - Spam System
- - Ticket Tracker
- - Ticket Tracker based on Workflow Package

Development

- OpenACS Developers Documentation & Problemsets
 - <http://openacs.org/doc/acs-dev>
- OpenACS Package Management
 - <http://www.linuxjournal.com/article.php?sid=6275>
- Philip and Alex's Guide to Web Publishing
 - <http://philip.greenspun.com/panda>
- Internet Application Workbook
 - <http://philip.greenspun.com/internet-application-workbook>

Development – learning

- SQL for Web Nerds
 - <http://phillip.greenspun.com/sql>
- TCL for Web Nerds
 - <http://phillip.greenspun.com/sql>
- Computer Science for Web Nerds (?)
 - <http://aduni.org>
- Professionalism for Software Engineers
 - <http://philip.greenspun.com/ancient-history/professionalism-for>

Development – Community

- OpenACS.org
 - <http://openacs.org/community>
 - Forums
 - Documentation
 - IRC meets
- Great People !

Related Projects

- - dotlrn - open source eLearning platform.
 - <http://openacs.org/projects/dotlrn>
 - <http://dotlrn.mit.edu>
 - <http://dotlrn.org>
- - dotwrk
 - An intranet (being) built on top of OpenACS and dotLRN
 - <http://openacs.org/projects/dotwrk>