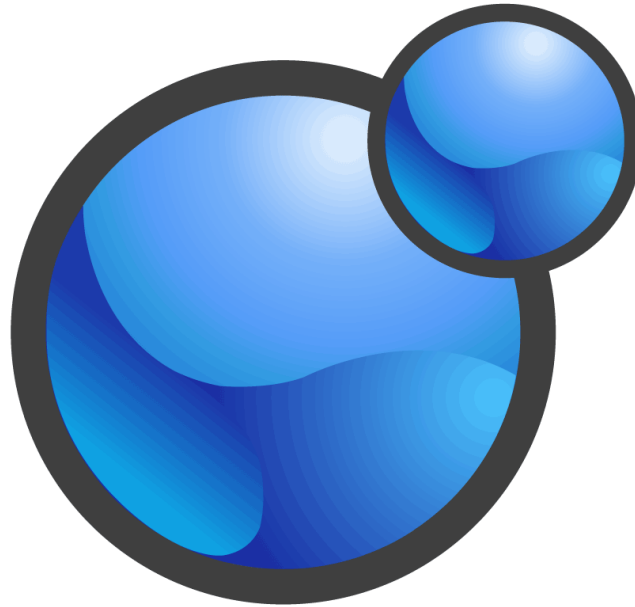


A Role Oriented Application Development Engine

Taiwen Jiang
October 26th, 2012

Xoops Engine



Open Source Project – Free Software – Collaborative Team
Application Development Framework

What It Is

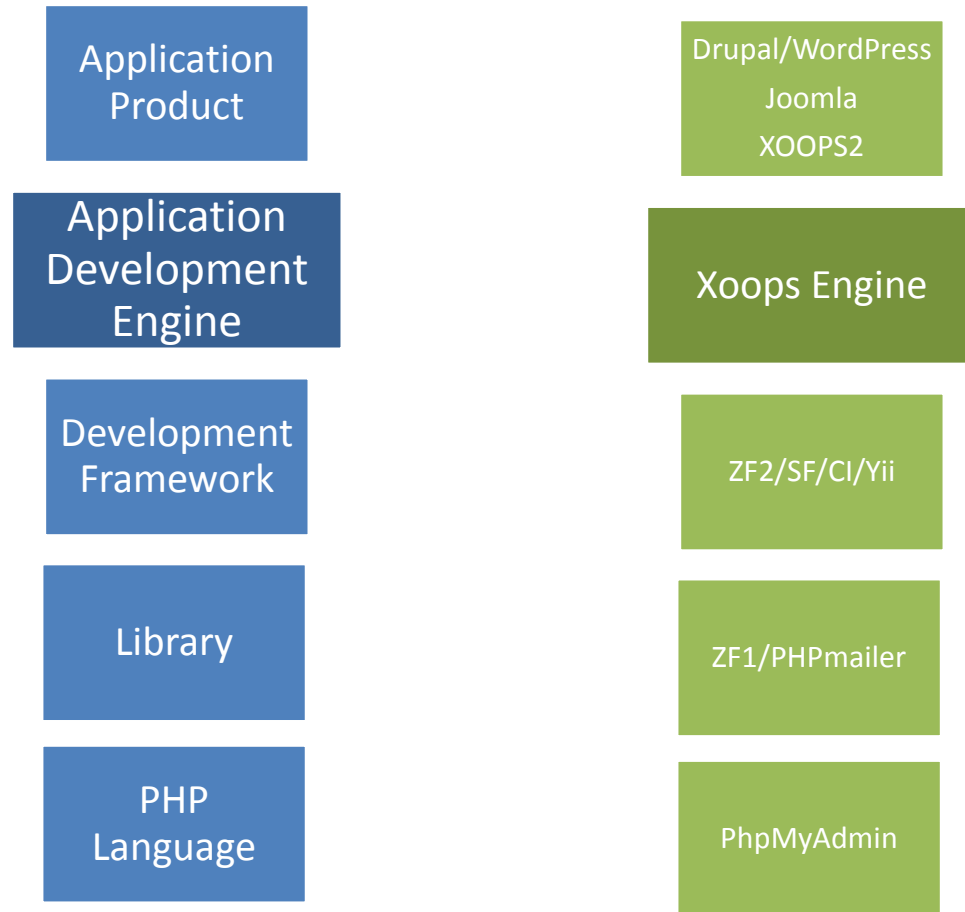
Role
Oriented



```
graph TD; A[Role Oriented] --> B[Application Development Engine];
```

Application
Development Engine

Application Engine



Roles

- **Product**
 - Requirement definer
 - Product Manger/Feature decision-maker
- **Design**
 - Interaction/UE designer
 - UI designer
- **Development**
 - Architect
 - Developer
 - Tester
- **SysOp**
 - Product release manager
 - Config manger
 - Deployment
 - Monitoring/Profiling
- **Business Unit**
 - Site manager
 - Localization/Translator
 - Data analyzer

Architecture

Application

- Module
- Theme
- Translation
- Widget
- Page

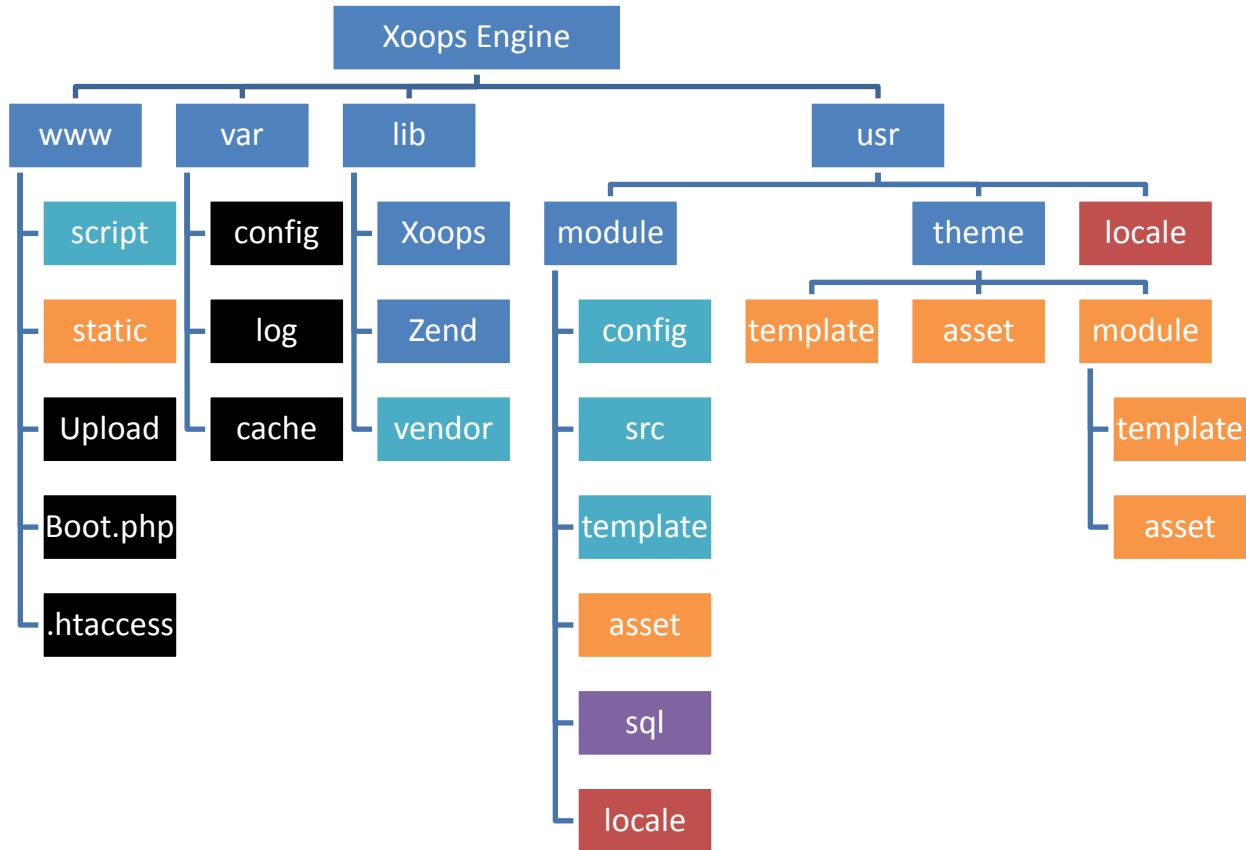
Framework

- Services: error, log, cache, debug, console
- MVC /URL/routing
- Module/Theme meta/API
- Data: DB/K-V/Config/Taxonomy API
- Resource: Path/Template/i18n/Asset API
- Components: navigation/menu, widget, page

Library

- Zend Framework 2
- jQuery / Bootstrap / Backbone
- Custom libraries

Skeleton -> Roles



Kernel

SysOp

Dev

Front

DBA

Editor

Philosophy/Vision

Open

- Open source code
- Open documentation
- Open process
- Open standard

Standard

- Coding style: PSR, Google Style Guide, UX components
- Design pattern
- Workflow
- Standard > Security > Feature

Team

- Modularization: Agile
- Standardization/API: remote, waterfall

Ecosystem

- Useful
- Easy to use
- Easy to contribute
- Happy with return

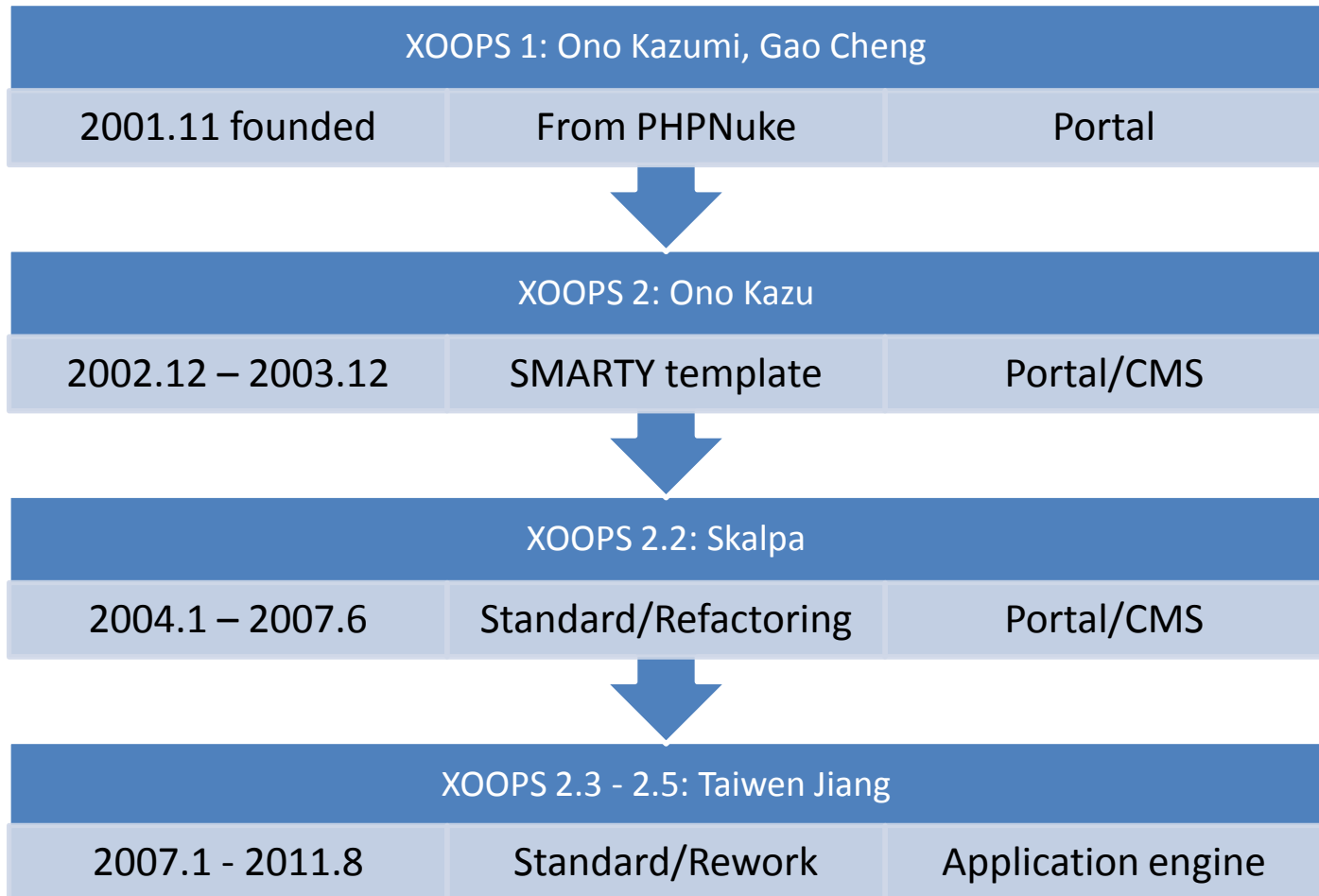
Xoops Engine Project

- Since August 2011
- Developer
 - Current: China, Iran, France
 - Company team, NPO group, individual, XOOPSer
- Code
 - Git/SVN
 - LNMP on linode
 - Netbeans
- Tracker/document
 - Github
 - TRAC
 - Trello
- Communication
 - Google group
 - Gmail
 - Twitter
 - Facebook

What It Was - XOOPS

- XOOPS: eXtensible Object Oriented Portal System
- Portal and CMS
 - PHP, MySQL
 - Module, theme
- An OPEN SOURCE project since 2001
- Packt Publishing Open Source MVP
 - Ono Kazumi, 2009
 - Taiwen Jiang, 2010
- Xoops China: 2004 - 2011
- Open Source Forum on Beijing Intl. Software Summit 2007
- C-J-K Open Source Intl. Grand Prize 2010

What It Was - History



Contacts

- Website
 - <http://www.xoopsengine.org>
- Github
 - <http://github.com/xoops>
- Twitter
 - <http://twitter.com/XoopsProject>
- Documents
 - <https://github.com/xoops/docs/wiki/>