

Pi Engine Architecture Diagram

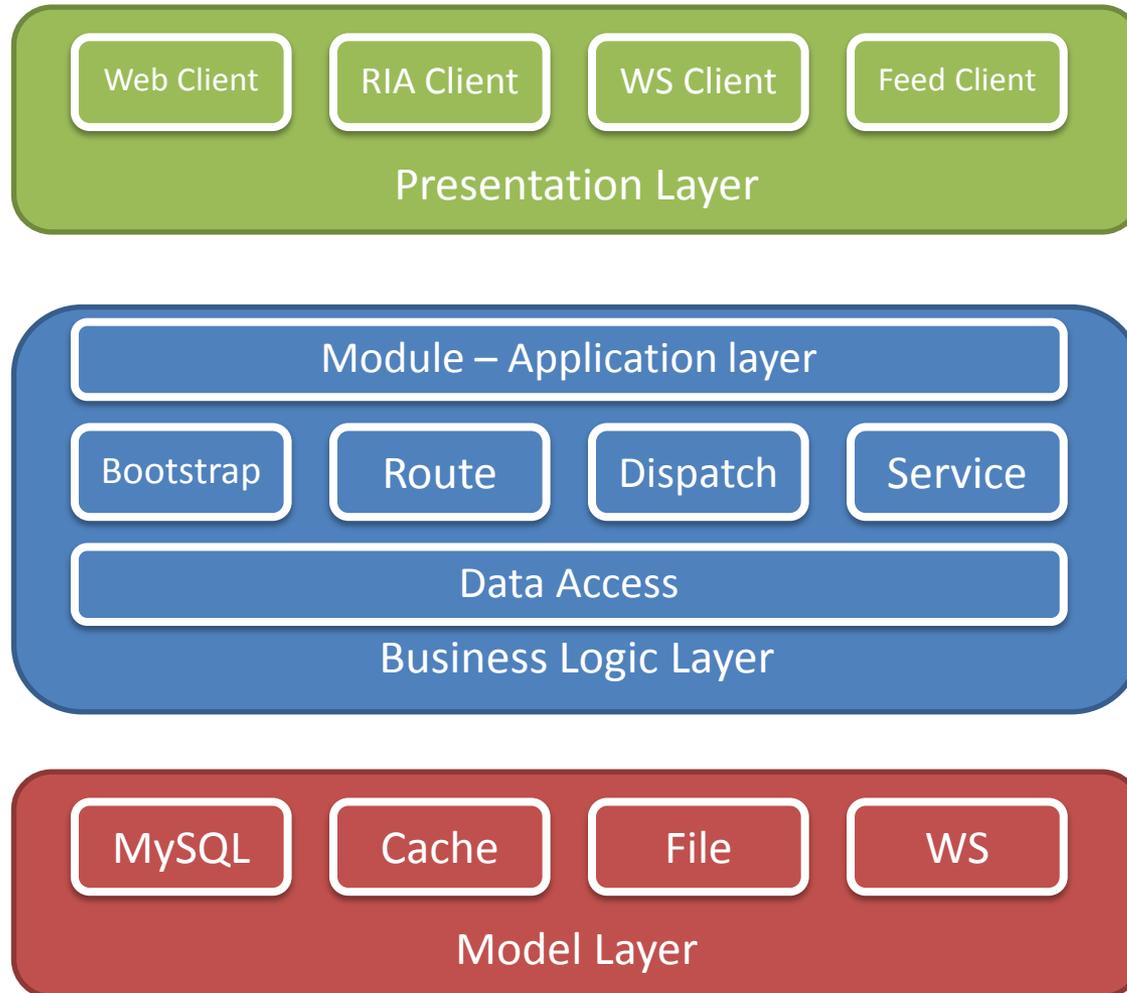
Taiwen Jiang

April 18th, 2014

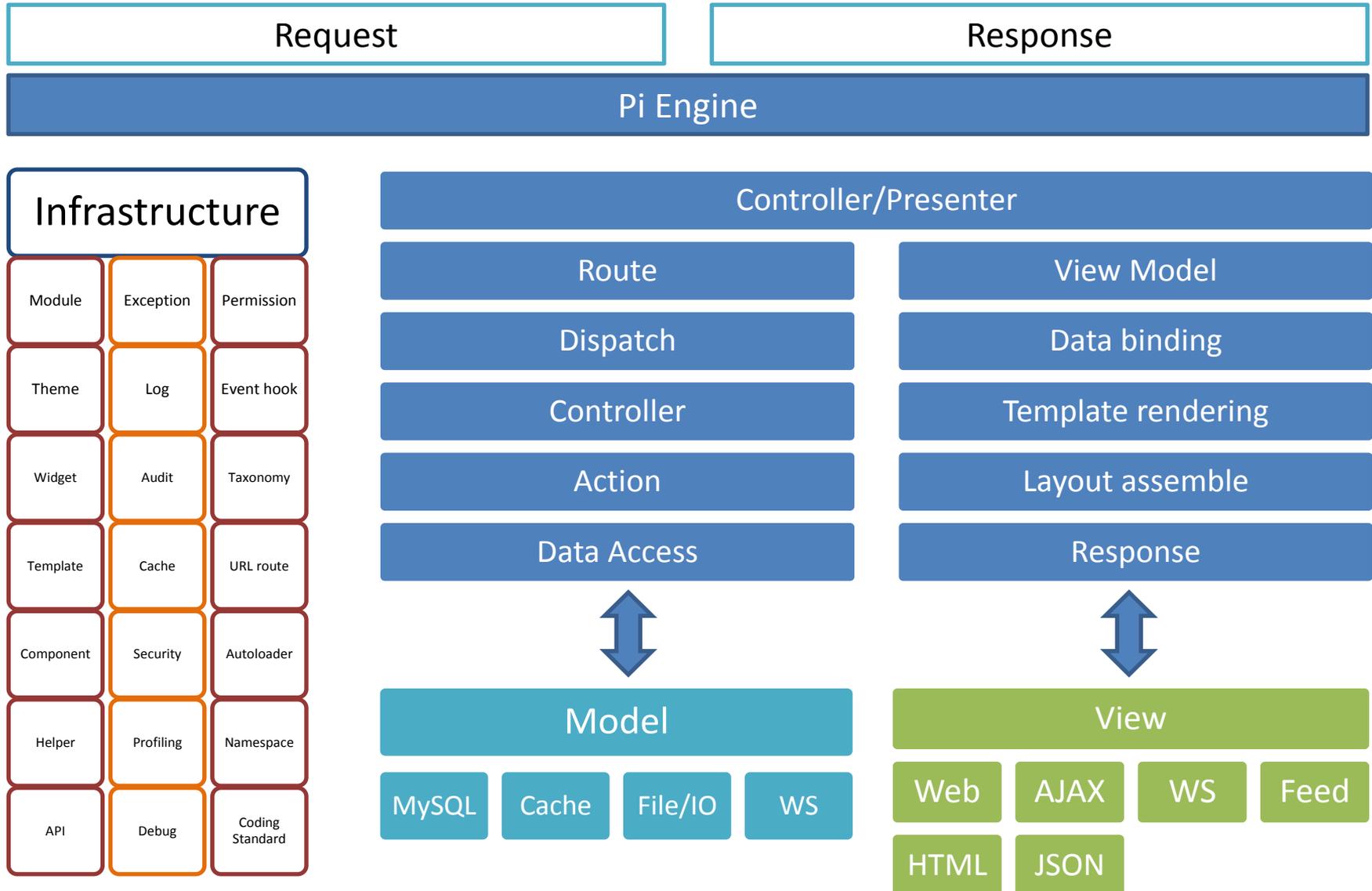
Pi Engine

- Application development engine
- Role oriented
- PHP/MySQL + APC/Memcache/Redis
- Web/RIA/WS/Feed clients
- SSO+Oauth support
- English and i18n
- Based on Zend Framework 2 and
 - Angular
 - jQuery
 - Bootstrap
 - Backbone
- Open source under BSD-3-Clause License

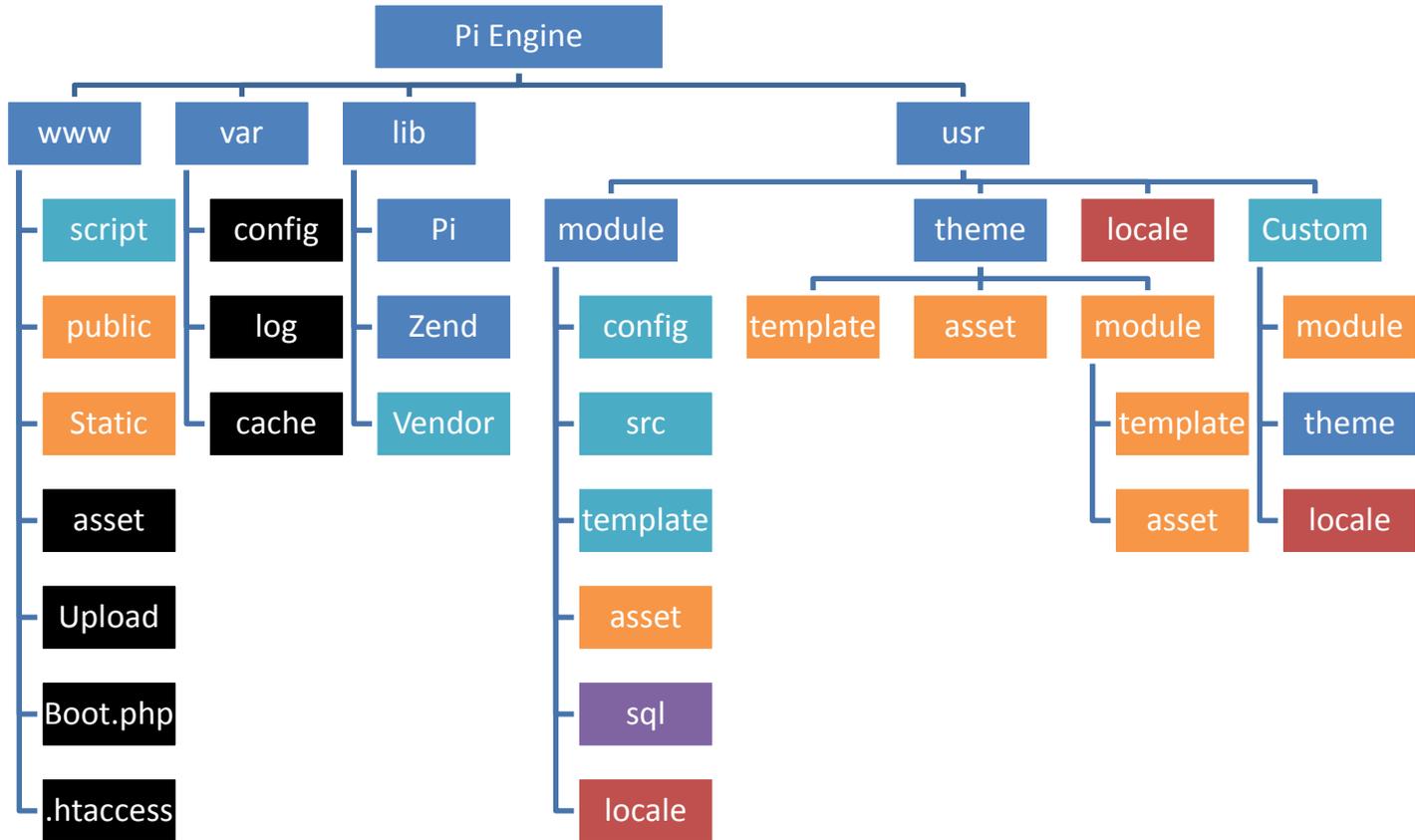
Pi MVC Structure



PiMVC/P Architecture



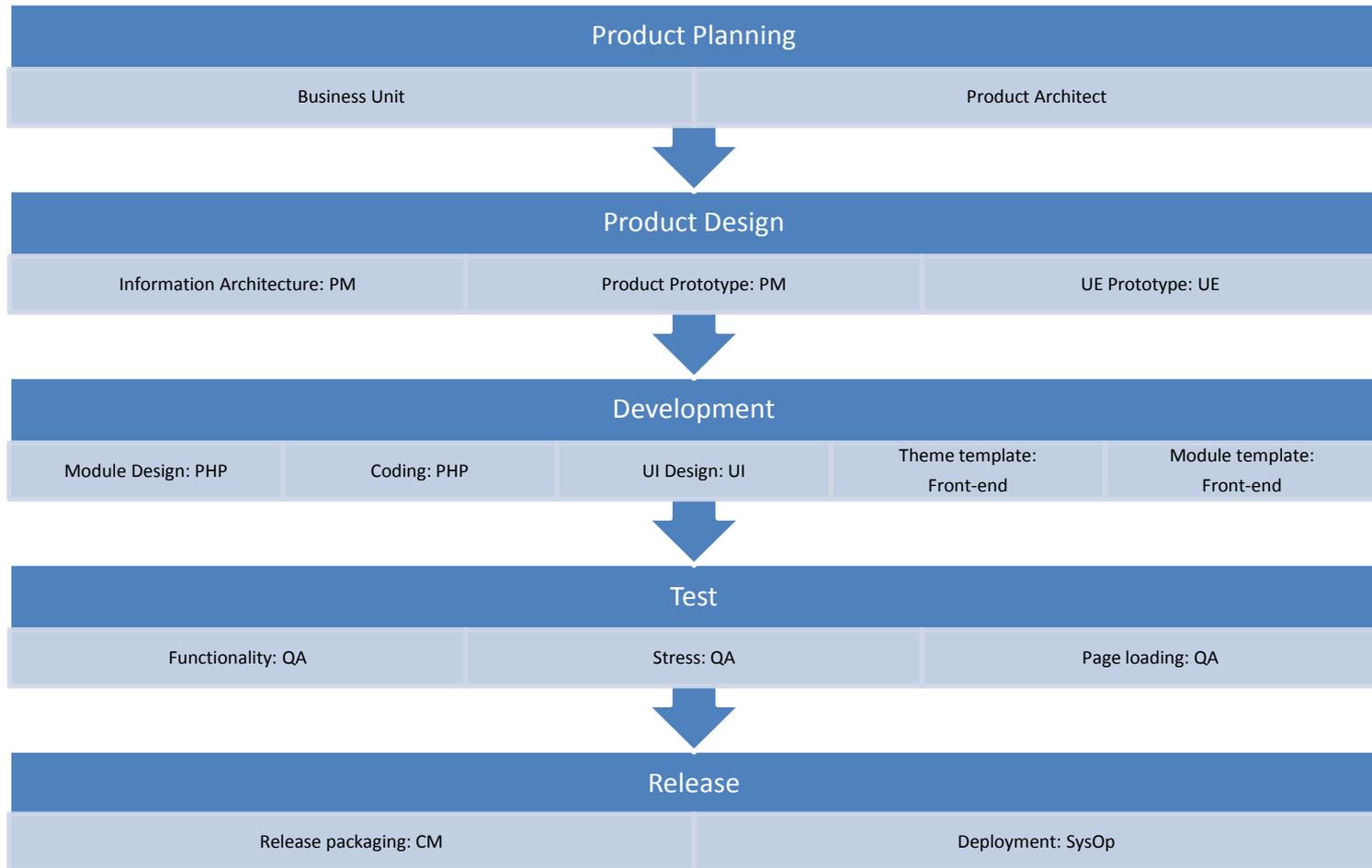
Pi Skeleton v.s. Roles



Development Workflow



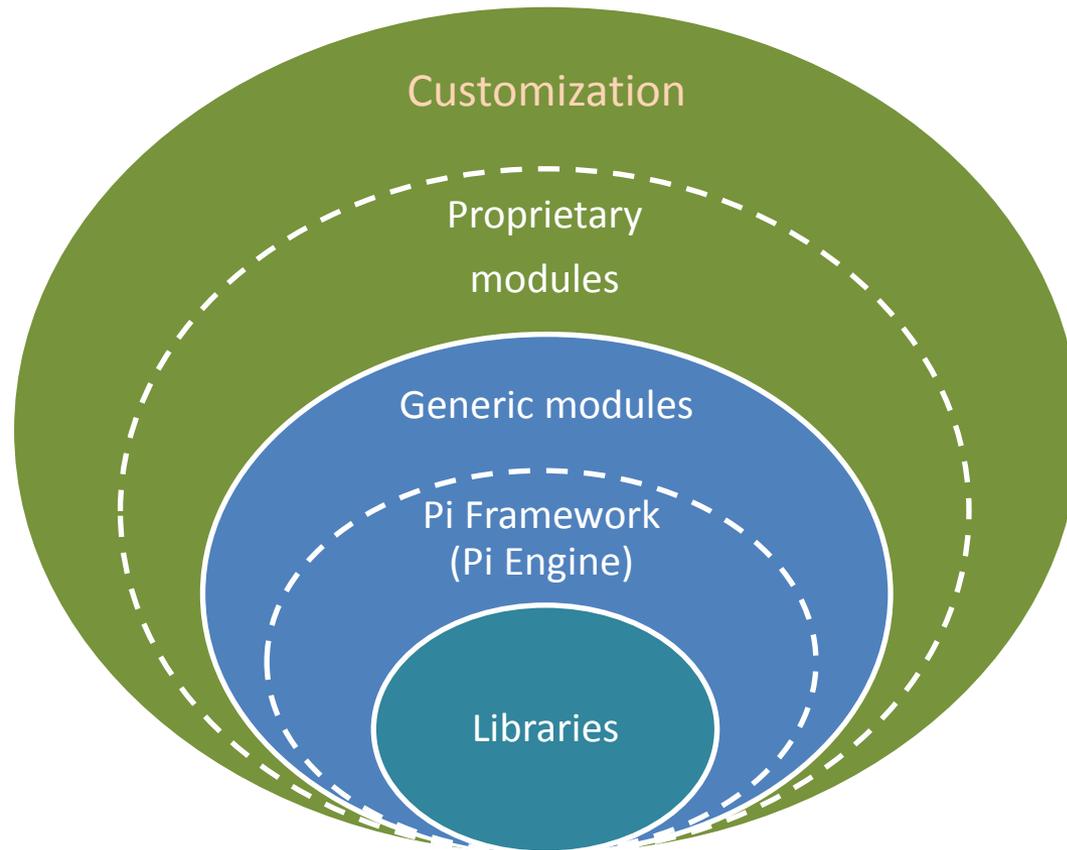
Role Oriented Workflow



Pi Module Skeleton

Module			
Config	Controller	Template	Misc
Meta	Front	Action	Schema
Dependency	Admin	Widget	Localization
Preference	Feed	Asset	API
Permission	Api		
Event			
Cache			
Block			
Search			
User			

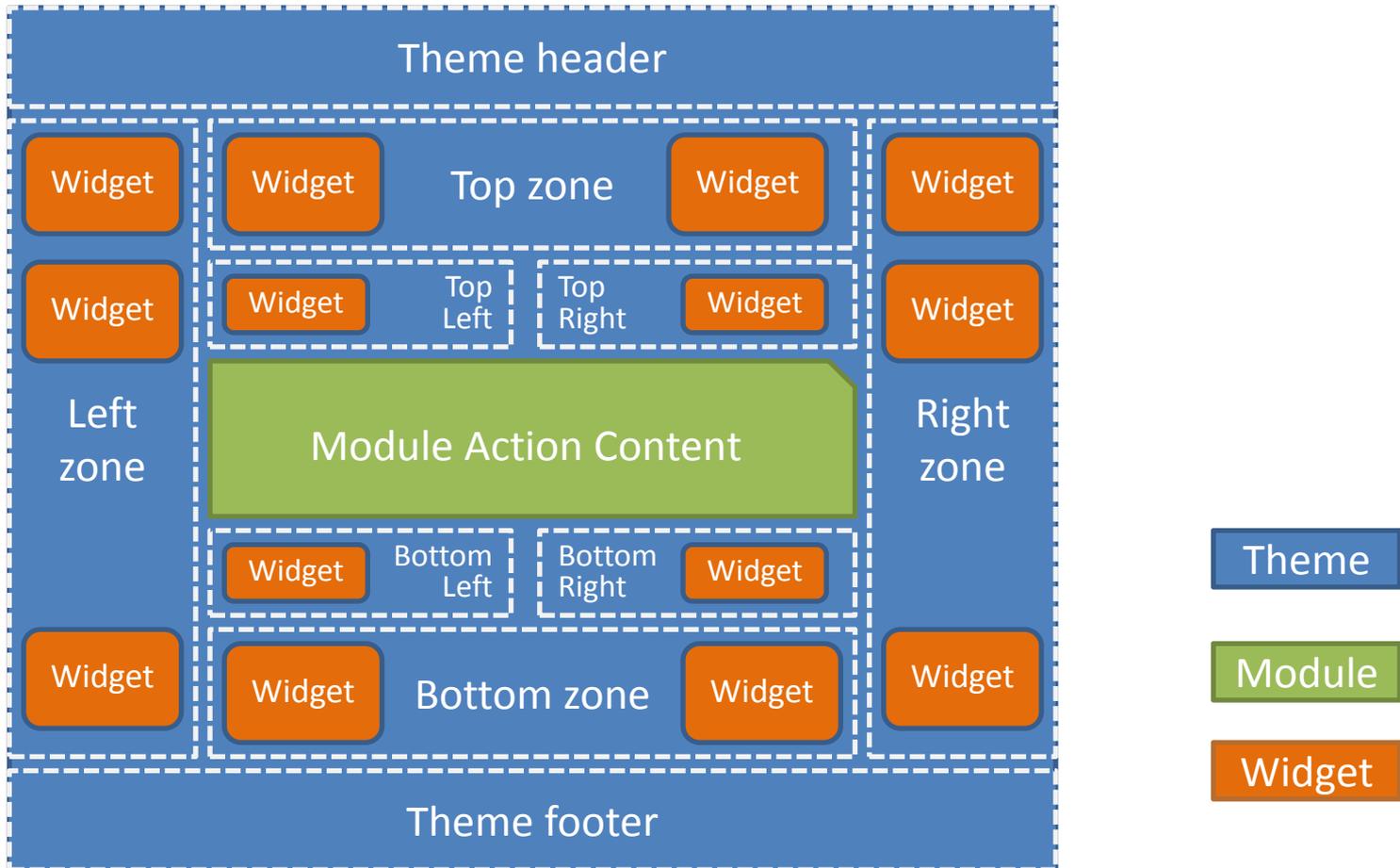
Application Ecosystem



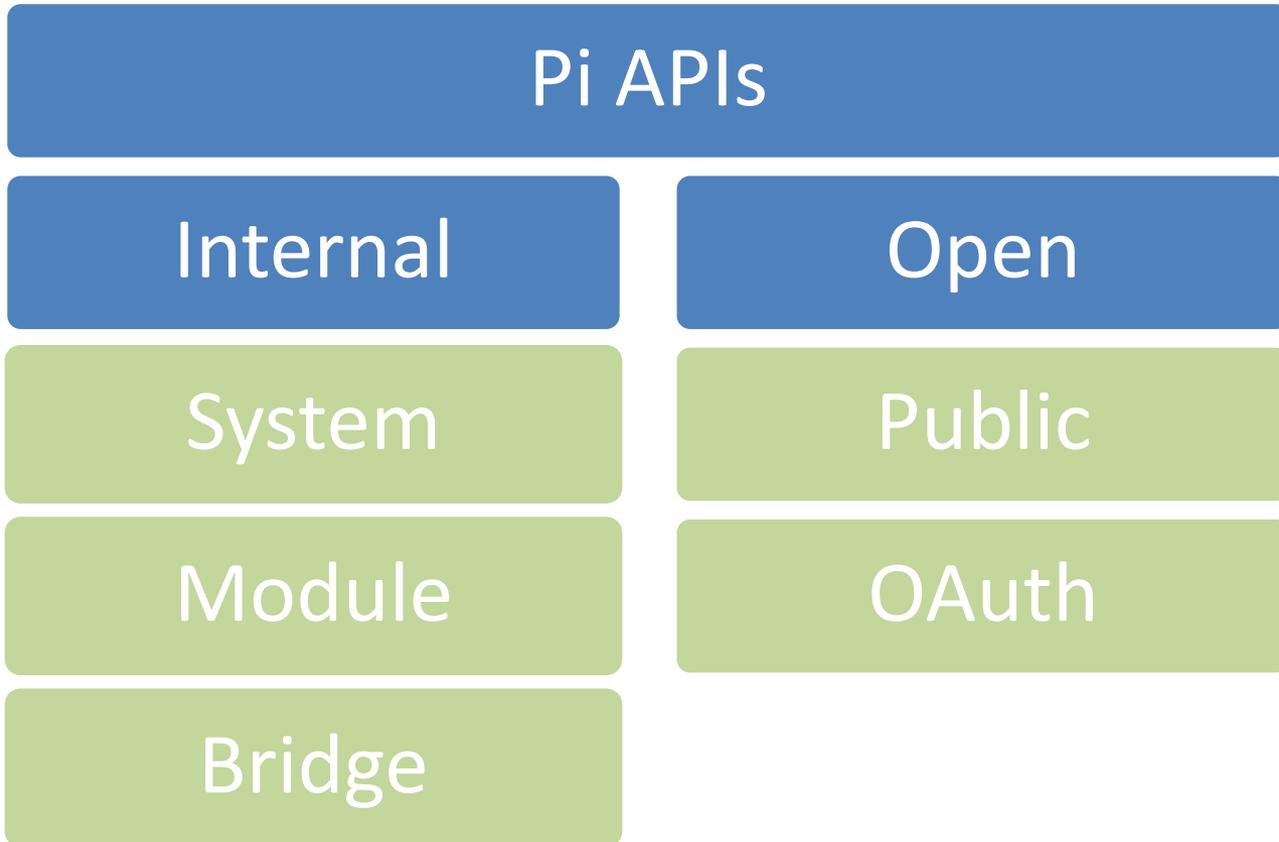
Pi Applications

Modules					
Basic	Publishing	UGC	Community	Utility	Incubator
User	News	Blog	User site	Event manager	CMF
Tag	Article	Album	Timeline	Webcast	Site manager
Comment		Video	Forum	Resource center	Community builder
Notification			Discourse		
Survey			Microblog		
Poll					

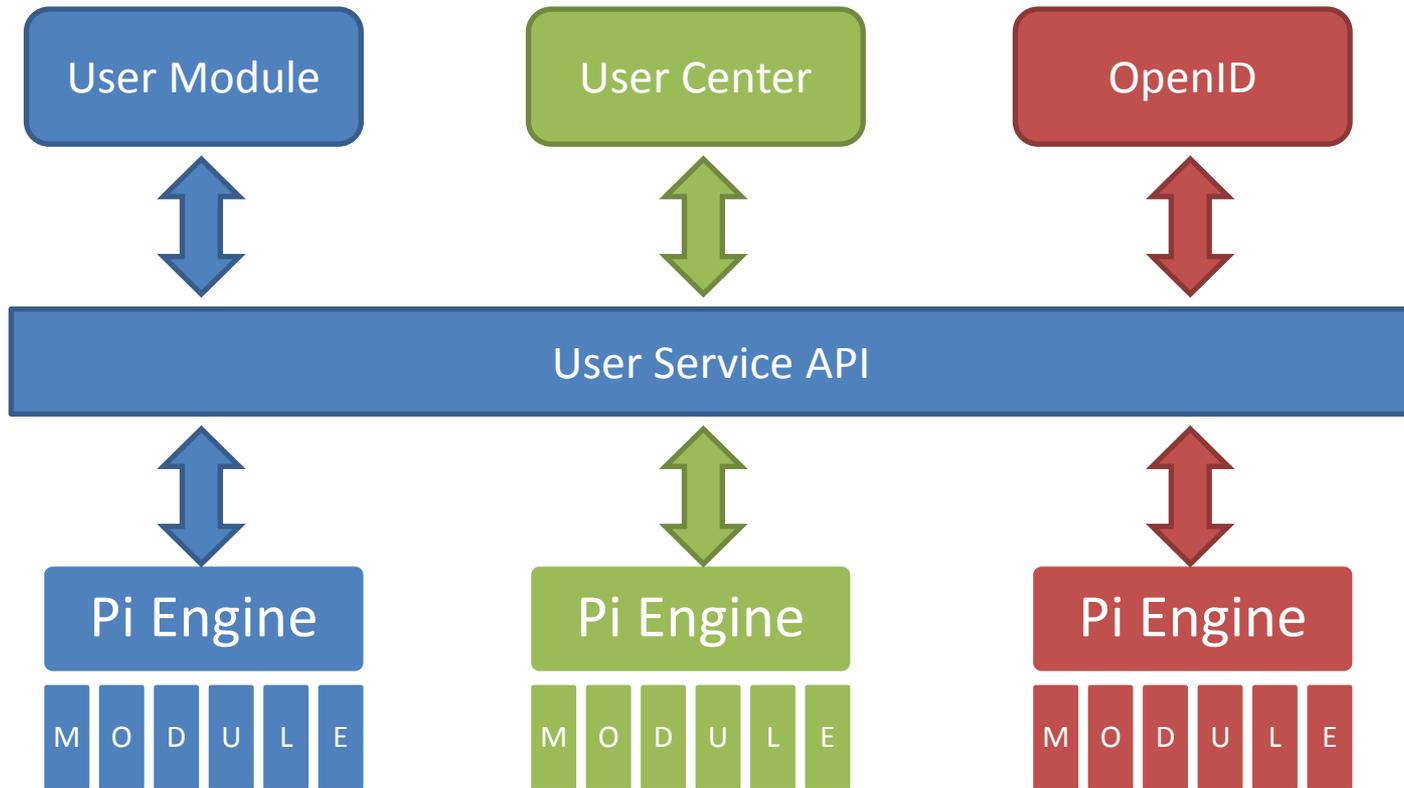
Pi Theme - View Layout



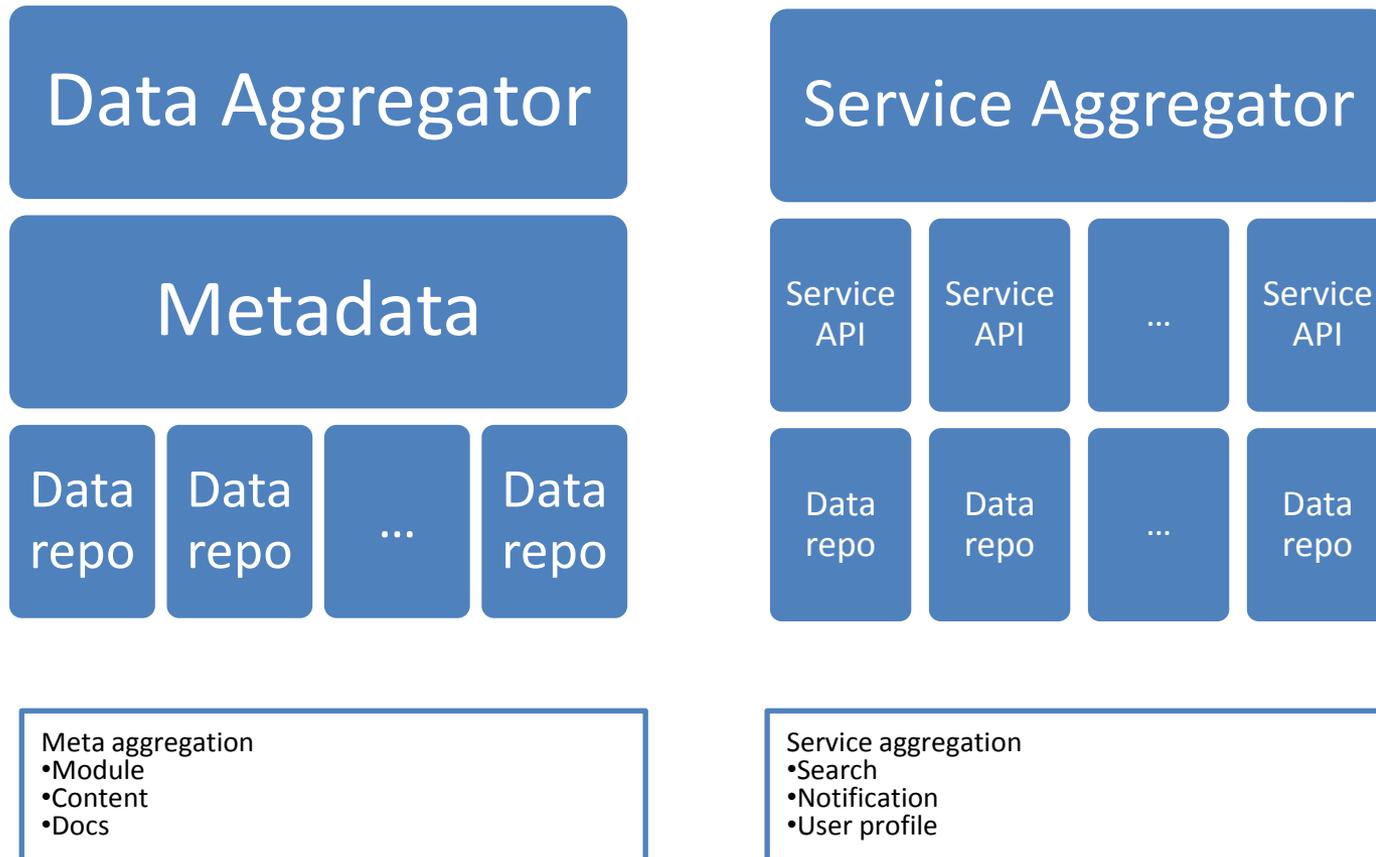
API Services



User Service



Pi Data Aggregation



Pi Project

- Project
 - <http://xoops-pi.org>
 - <http://pi-engine.org>
- Code
 - <https://github.com/pi-engine/pi>
- Tracker
 - <https://github.com/pi-engine/pi/issues>
- Wiki:
 - <https://github.com/pi-engine/pi/wiki>
- Demo
 - Pi Dialog: <http://pialog.org>
 - Pi Demo: <http://pi-demo.org>