

Pi Engine Architecture Diagram

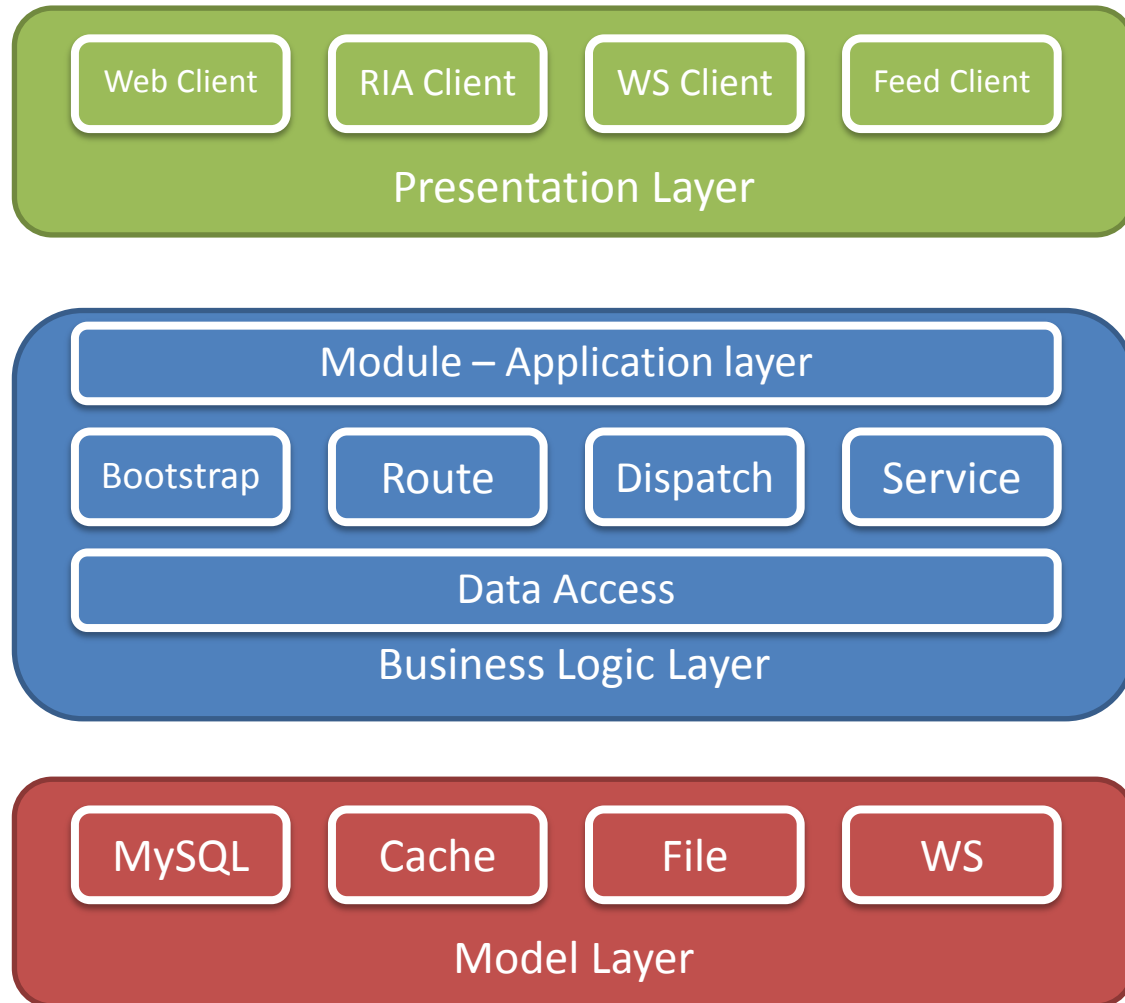
Taiwen Jiang

April 18th, 2014

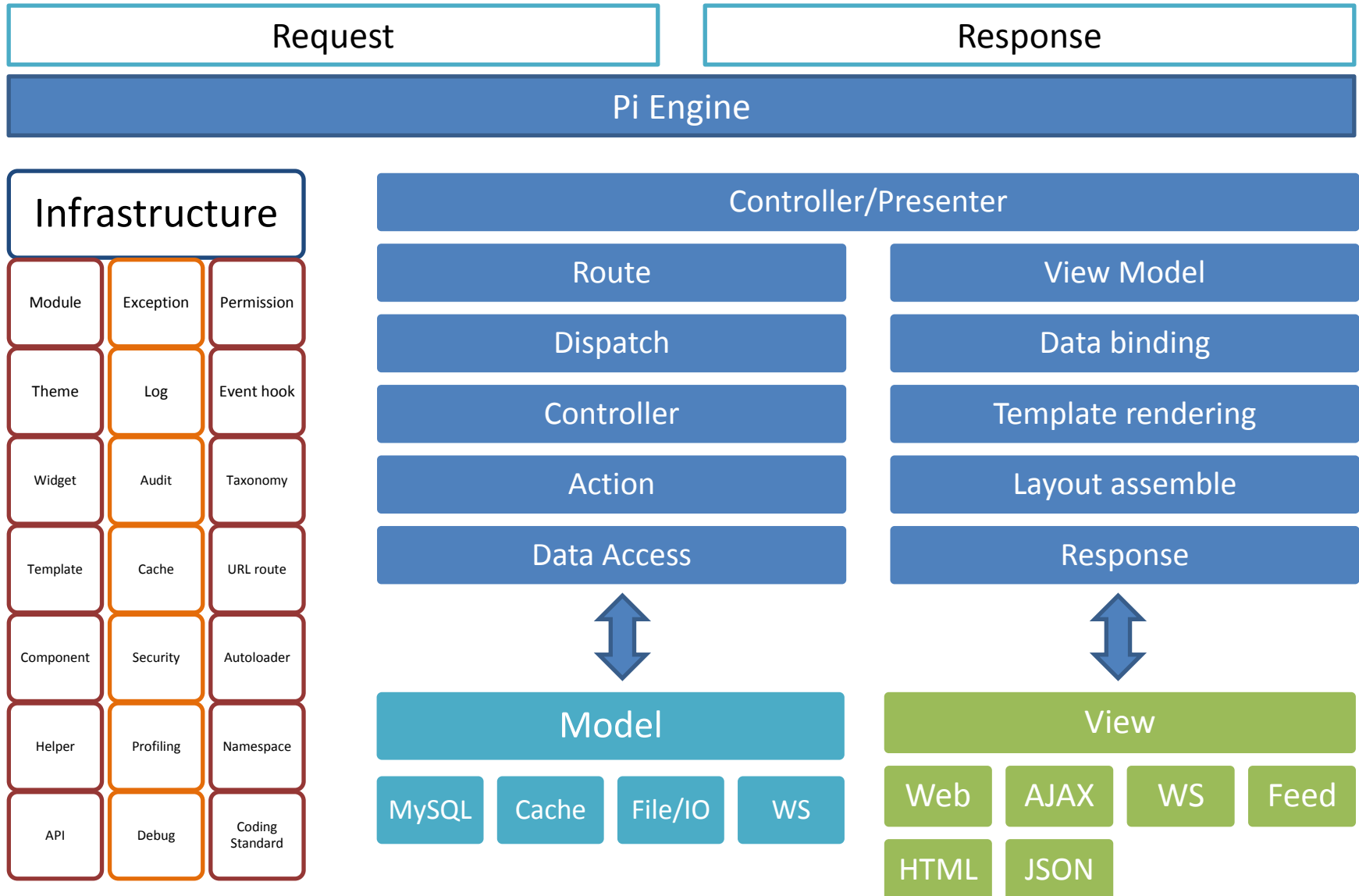
Pi Engine

- 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

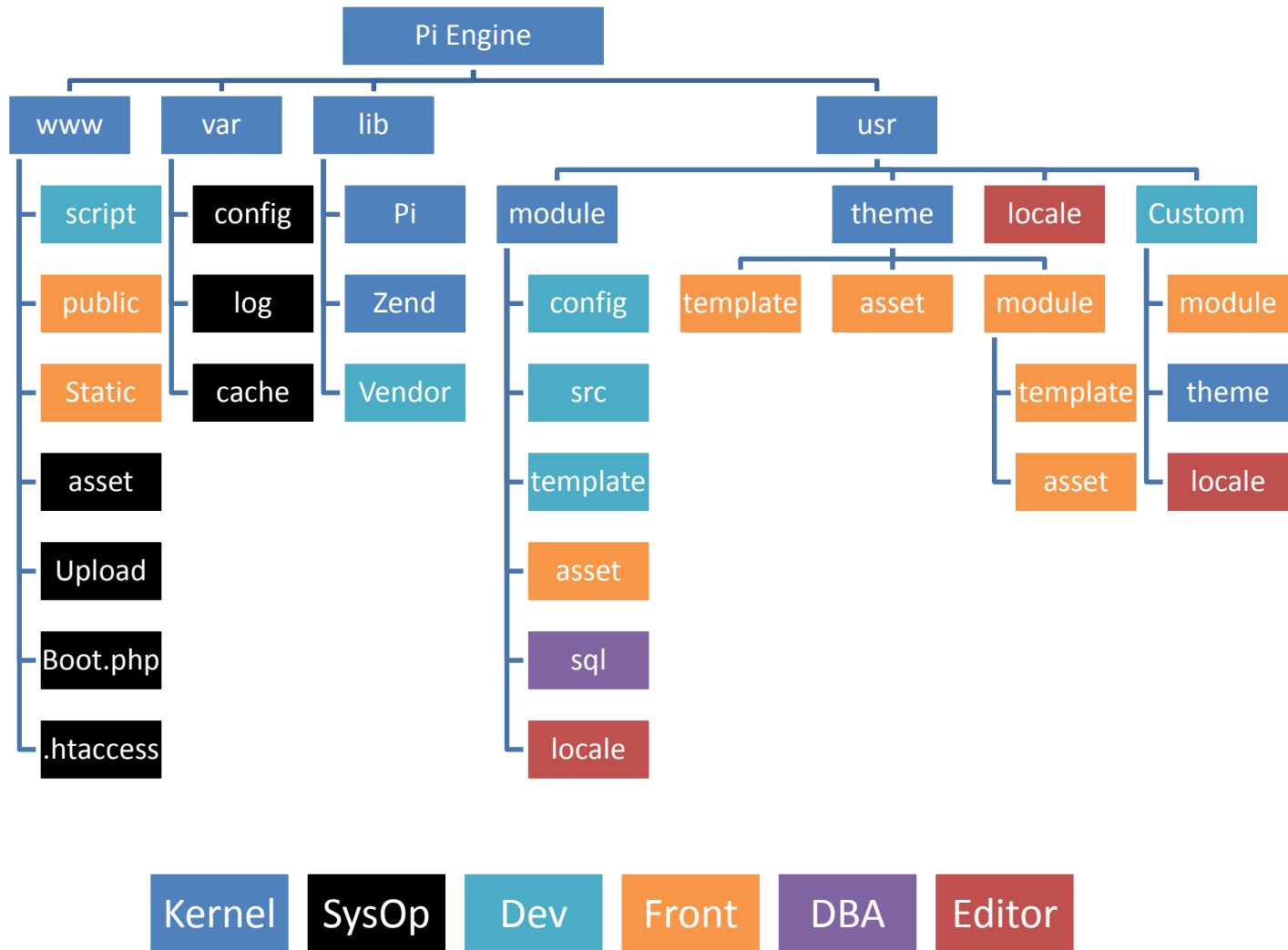
Pi MVC Structure



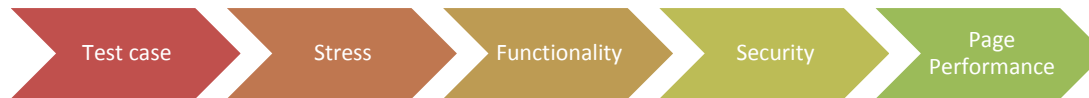
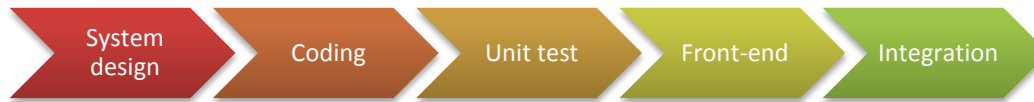
PiMVC/P Architecture



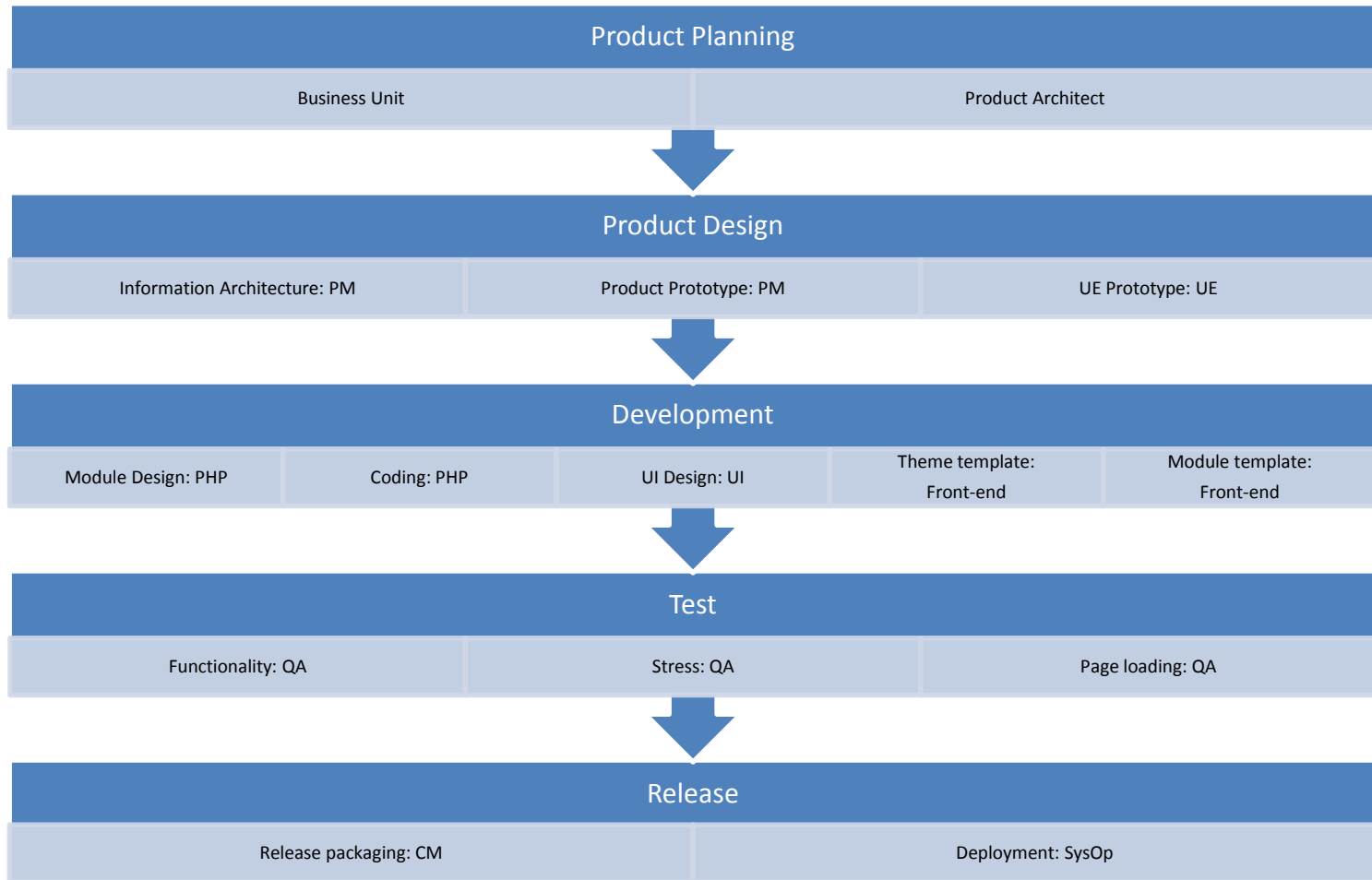
Pi Skeleton v.s. Roles



Development Workflow



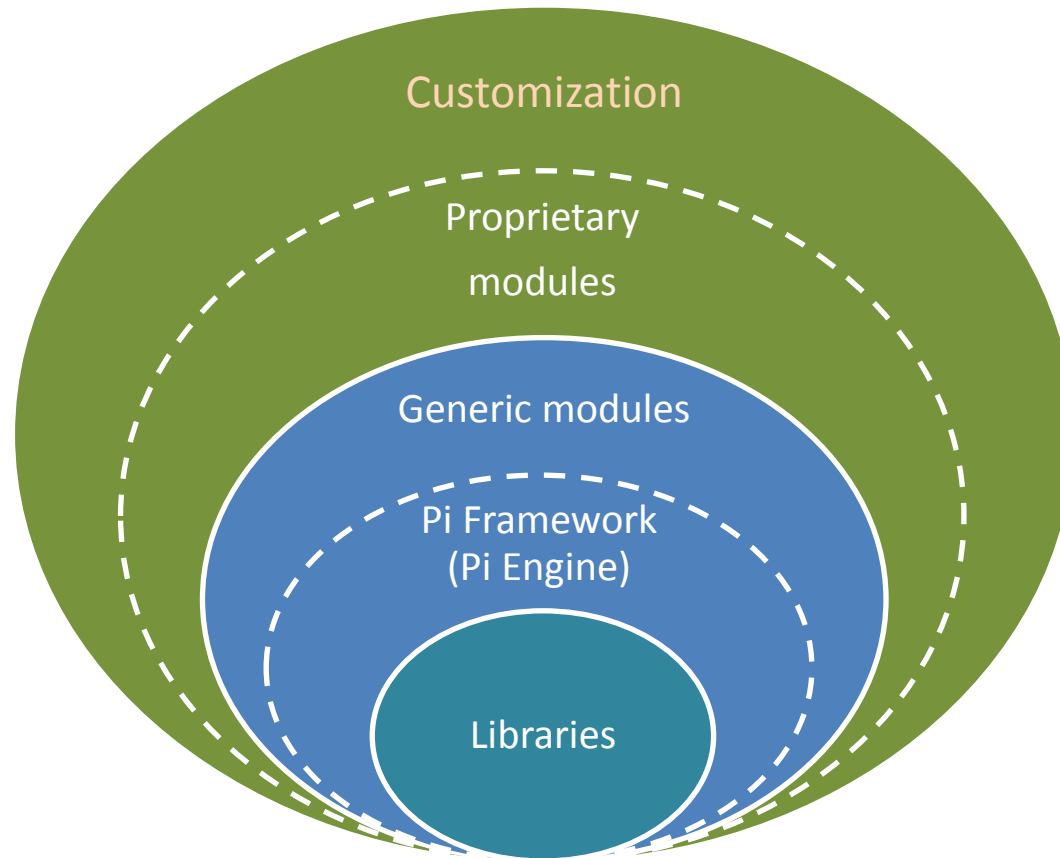
Role Oriented Workflow



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 | | | |

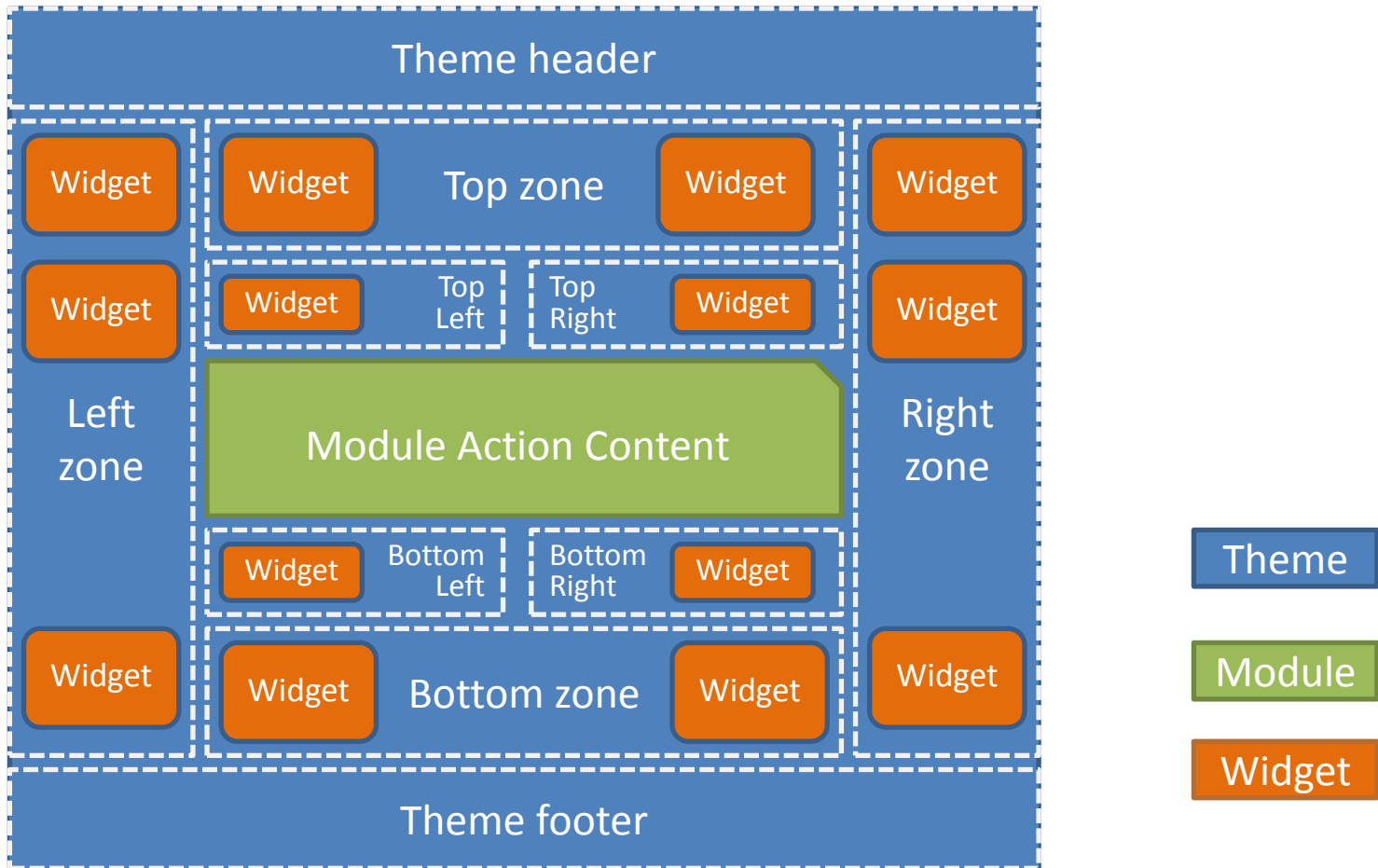
Application Ecosystem



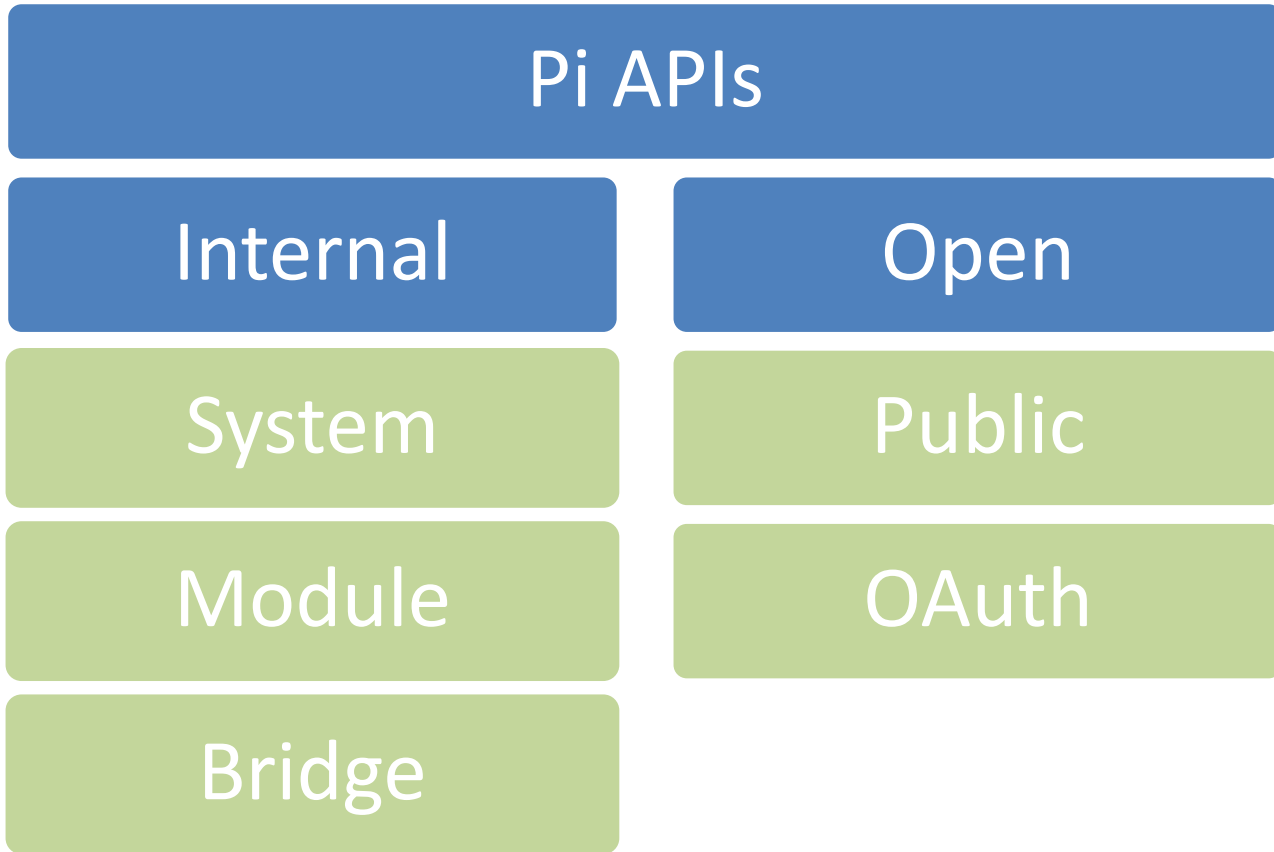
Pi Applications

| 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 | | | | | |

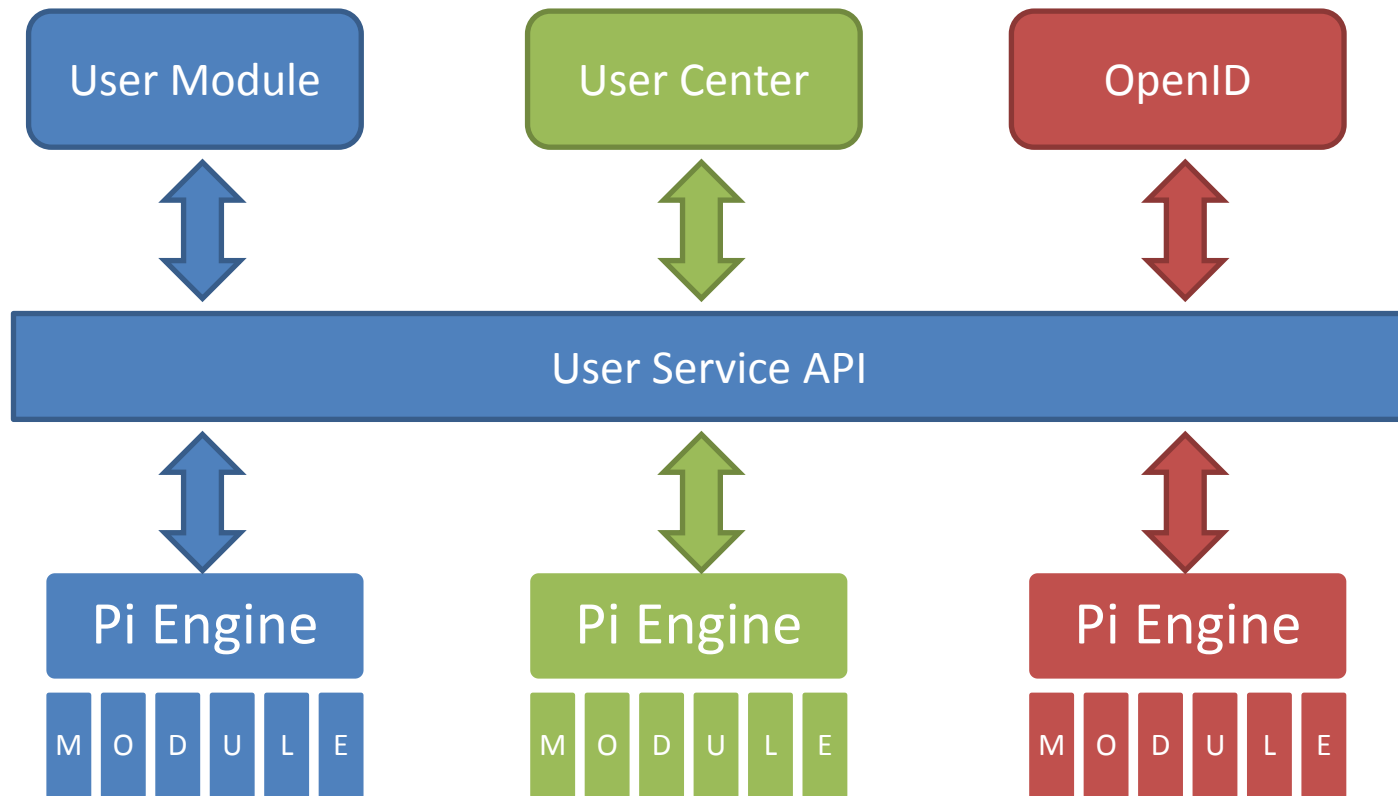
Pi Theme - View Layout



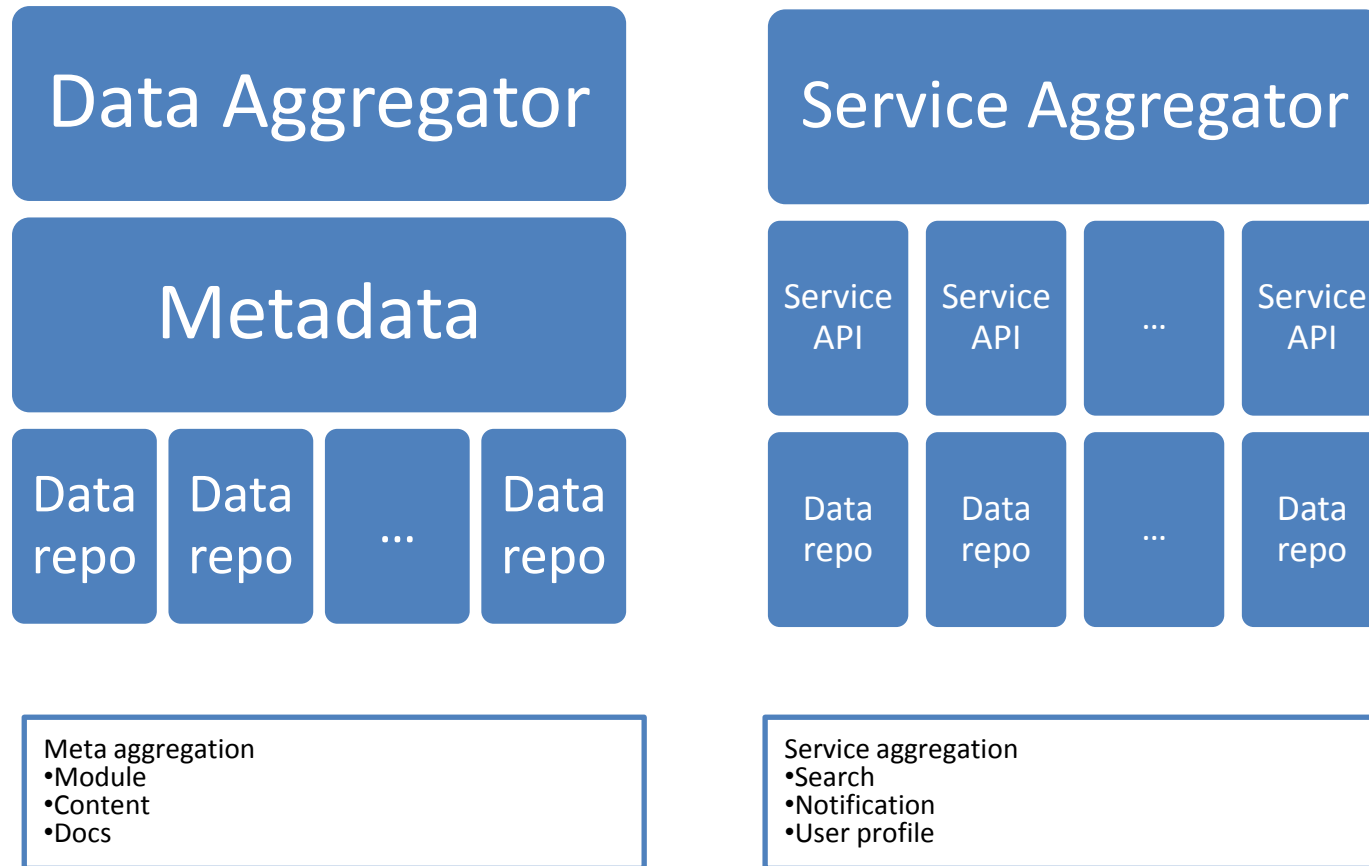
API Services



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>