



The Apache Way 101: Day 4





Apache Project Ecosystem



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Projects

- Apache HTTP Server: Web/servers
- Apache Kafka: Big data
- Apache Maven: Build management
- Apache CloudStack: Cloud
- Apache CouchDB: Database
- Apache OFBiz: ERP
- Apache Spark: Machine learning
- Apache Tomcat: Java/servers
- Apache Ignite
- Apache Cordova
- And many many more.....





Apache Project Ecosystem

- Website
- Community
- Version control - SVN/Git
- Issue tracker - Jira, BugZilla, GitHub
- Documentation - Confluence
- Mailing lists
- Build Services - Buildbot, Gump, Jenkins
- Apache Atic

 Jira Software

 git



 Confluence



WebSite

- Every Apache project or podling has a website hosted at “apache.org”
- Tools used to generate it
 - Pelican
 - Hugo
 - Github Pages
 - Jekyll
- Site Management
 - Only committers should be able to modify
 - notifications of all site changes are sent to the relevant project mailing lists



Source Code Repositories at Apache

- Everyone has **read access** to the repositories
- Apache committers have write access to the repositories for their projects
- Revision control system, either Subversion (SVN) or Git
 - .asf.yaml for Git repositories
 - <https://github.com/apache>
- Many Git users manage their source code through one of these tools:
 - GitHub
 - GitBox



Mailing Lists

Primary support channel where users can help each other learn to use the software.

- Archived
- Asynchronous communication
- Foundation wide mailing lists
- Open communication



How to use mailing lists

- Project Mailing lists
 - dev@ (primary project development);
 - user@ (user community discussion and peer support);
 - commits@ (automated source change notifications); and
 - occasionally supporting roles such as marketing@ (project visibility)
- Moderation of Posts
- Subscribing and unsubscribing
 - list-subscribe@apache.org
 - list-unsubscribe@apache.org
- Request confirmation



Issue Tracker

- The ASF recommends these options for tracking issues and feature requests:
 - Jira
 - GitHub issue tracking feature
- Other options
 - Apache Allura
 - Bugzilla

See “issues.apache.org” for a list of what each project uses.



Build Tools

- Buildbot
- Apache Gump
- Jenkins



The Apache Atic

"responsible for the oversight of projects which otherwise would not have oversight"

It is intended to:

- Be non-impacting to users
- Provide restricted oversight for these codebases
- Provide oversight for active user lists with no Project Management Committee (PMC)



Meritocracy

The more you do, the more power you may be granted to take actions:
“government by merit”

- User
- Developer
- Committer
- PMC Member
- PMC Chair / VP
- ASF Member



Thank You

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