



Open Source & The Apache Way



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Apache OFBiz Contributor



Apache Local Community

ALC comprises local groups of Apache (Open Source) enthusiasts, called an 'ALC Chapter'.

<https://s.apache.org/alc>

ALC Chapters

- ALC Indore, India
- ALC Beijing, China
- ALC Warsaw, Poland
- ALC Budapest, Hungary



Agenda

- Open source software
 - a. What is Open source software?
 - b. History
 - c. Comparison with closed source
 - d. Why you should know Open Source?
 - e. Why you should contribute to Open Source?
 - f. How can you contribute?
 - g. Examples



Agenda

- Apache Software Foundation
 - a. History
 - b. How ASF works?
 - c. Projects
 - d. Apache Project Ecosystem
 - e. The Apache Way
 - f. Where to start?
 - g. How to contribute?



What is Open Source Software?

- Open Source software is software with source code that anyone can inspect, modify, and enhance.
- Source code is released under a license in which the copyright holder grants users the rights to study, change, and distribute the software to anyone and for any purpose.
 - Apache License 2.0
 - GNU General Public License (GPL)
 - MIT license
 - Mozilla Public License 2.0



Open Source Software - History

- If we have some good, it must be shared, 'A childhood learning'
- Richard Stallman started the GNU Project and founded the Free Software Foundation.
- Breakthrough innovation - Linux

“Users should be empowered enough to fix and debug the software themselves-instead of simply operating it”



Open-Source Vs Closed Source

- Open Source software is technically superior to software from proprietary vendors
- Fewer Bugs and Faster Fixes
- Open-source software boosts innovation

Why you should know Open Source?

- It's trending!
- Offers numerous benefits:
 - a. Security
 - b. Training
 - c. Control
 - d. Stability



Google Open Source



Facebook
Open Source



Uber Open Source



Apple Open Source



Why you should contribute to Open Source?

- Find mentors and boost up your learning
- Build public artifacts that help you grow a reputation (and a career)
- It's empowering to be able to make changes, even small ones
- You build on your communication, teamwork, and problem-solving skills.
- Feel accomplished
- To get hired??



How can you contribute?

- You don't have to contribute code
- Do you like planning events?
- Do you like to design?
- Do you like to write?
- Do you like organizing?
- Do you like to code?
- Do you like helping people?
- Do you like helping others code?
- You don't just have to work on software projects!



Open-Source Opportunities

- Apache Mentoring Programme with India ICFOSS
- Google Summer of Code program (GSoC)
- Smart India Hackathon
- Internship and project motivation

Examples





Apache Software Foundation

- The World's Largest Open Source Foundation
- Established in 1999, the ASF is a US 501(c)(3) charitable organization
- Funded by individual donations and corporate sponsors
- Our all-volunteer board oversees more than 350 leading Open Source projects, including Apache HTTP Server



History

- Started with Apache™ HTTP Web Server project - the web server often simply called "Apache".
- From the humble beginnings of less than a dozen software engineers sharing code patches via email in February of 1995, to the incorporation of the ASF in June of 1999



The Apache Way

Methodology followed to ensure collaborative environment across the projects

- Earned Authority
- Community of Peers
- Open Communications
- Consensus Decision Making
- Responsible Oversight
- Community Over Code
- Independence



Where to start?

- Finding the right project
 - a. <https://projects.apache.org/projects.html>
 - b. <https://projects.apache.org/projects.html?category>
 - c. <https://projects.apache.org/projects.html?language>
- Join the community



Projects

- Currently 350+ open source initiatives at the ASF
- Apache HTTP Server: Web/servers
- Apache Kafka: Big data
- Apache Maven: Build management
- Apache CloudStack: Cloud
- Apache CouchDB: Database
- Apache OFBiz: Enterprise resource planning
- Apache Spark: Machine learning
- Apache Tomcat: Java/servers
- Apache NetBeans
- And many many more.....



Apache Project Ecosystem

- Website
- Community
- Code repository - SVN/Git
- Issue tracker - Jira, BugZilla
- Documentation - Confluence
- Mailing list
- Automated builds

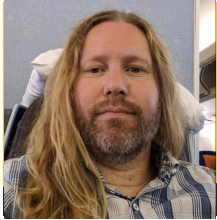


How to contribute?

- ICLA
- Subscribe to mailing list
- Project Documentation
- Code Development
- Testing and Patch review



ASF Stories



Sander Stricker
Board Member

Developer Experience (DevX)
at Bloomberg



Sam Ruby
Board Member

IBM



Roy T. Fielding
Board Member

Senior Principal Scientist,
Adobe



Bertrand Delacretaz
Board Member

Principal Scientist, Adobe



Griselda Cuevas
V.P., Diversity and Inclusion

Open Source Program
Manager at Google Cloud



Rich Bowen
VP Conferences

Red Hat



Thank You

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