

Flink Forward China 2018

公司：Apache Software Foundation

职位：Secretary of The Apache Software Foundation

演讲者：Craig Russell



Apache Flink: 践行 Apache 之道

Apache Flink: The Apache Way in Action





Apache 软件基金会 The Apache Software Foundation

成立于1999年，是一家公益慈善机构
Established 1999 as a public charity

超过300个可企业化应用的项目免费向公众开放
Over 300 enterprise-ready projects free of charge to the public

现在是全球最大的开源基金会
Now the world's largest open source foundation

谁为 Apache 贡献代码? Who Contributes Code to Apache?

企业（例如雅虎的 Hadoop, 华为的 ServiceComb）
Corporations (e.g. Hadoop from Yahoo, ServiceComb from Huawei)

大学（柏林工业大学 Stratosphere）
Universities (e.g. Stratosphere from TU Berlin)

社区（例如 Groovy, Subversion）
Communities (e.g. Groovy, Subversion)

为什么要将代码贡献给 Apache?

Why Contribute Code to Apache?

企业公民

Corporate Citizenship

竞争合作 - > 更高质量

Collaboration over Competition -> Higher Quality

“免费培训”

“Free Training”

法律保护

Legal Protection

如何将项目贡献给 Apache? Apache 孵化器

How to Contribute Projects to Apache? The Apache Incubator

孵化建议和验收 (Stratosphere 2014年4月)

Incubation Proposal and Acceptance (Stratosphere April 2014)

建立社区

Build the Community

发布软件 (2014年8月, Flink 0.6发布)

Release the Software (Flink 0.6 August 2014)

毕业成为顶级项目 (2014年12月, Flink 毕业)

Graduate to Become a Top Level Project (Flink December 2014)



Podling 在孵化中的作用

What the Podling Does in Incubation

建立许可 (ICLA, SGA, CCLA) 和品牌
Establish Licensing (ICLA, SGA, CCLA) and branding

构建基础架构 (邮件列表, 代码库, 网站)
Build the Infrastructure (mail lists, code repository, web site)

Flink dev @ 邮件列表于2014年4月上线
Flink dev@ mail list went live in April 2014

品牌很重要 Branding is Important

Stratosphere 在进入孵化后立即讨论了名称变更
Stratosphere discussed a name change immediately after
entering incubation

社区讨论产生了十几个可能的名字
Community discussion resulted in over a dozen possible names

在 dev 邮件列表投票后, Flink被选中
After a vote on dev list, Flink was chosen

包名是品牌的一部分

Package Naming is Part of Branding

Stratosphere 包名仅在加入 Apache 之前使用

Stratosphere was used in package names for “final release outside Apache”

Apache 发布的版本将使用新名称 Flink

Releases from Apache would use the new name Flink

决定：0.5使用旧包名;0.6更改为新的包名

Decision: use old package name for 0.5; change to new package name for 0.6

建设社区

Building Community

用户是项目存在的原因

Users are the reason projects exist

Contributor 提交错误报告，在邮件中回答问题，提出补丁

Contributors write bug reports, answer email questions, propose patches

积累一定贡献后成为 committer，获得代码库的写权限

Committers after contributing, given write access to repositories

Flink 毕业后，从8名初始 committer逐渐发展为后来的15名PMC成员

Flink 8 initial committers grew to 15 PMC members upon graduation



毕业后继续开展社区建设

After Graduation Community Building Continues

PMC 成员不断鼓励用户成为 Contributor

PMC continually encourages users to become contributors

部分得到 PMC 成员赏识的人会被邀请成为 committer

PMC recognizes contributors and invites them to become committers

Flink 现在有41个 committer 和19个 PMC 成员

Flink now has 41 committers and 19 PMC members

Apache 之道

The Apache Way

社区重于代码

Community Over Code

行动者统治：惟有实干家才有权作决定

Do-ocracy: those that do get to make the decisions

待人友善，寻求快乐：尊重一切，行为准则

Be Nice, Have Fun: Respect for All, Code of Conduct

开放式开发：一切始于邮件列表

Open Development: If it isn't on a mail list, it didn't happen

Apache 对社区无害

Apache is Safe for the Community

用户有权使用，复制，修改

Users have rights to use, copy, modify

公司有权使用，修改，分发，再许可

Corporations have rights to use, modify, distribute, relicense

保护 Committer 免于承担责任：发布由 Apache 而非个人发布

Committers are protected from liability: releases are made by Apache, not individuals

Apache 治理（项目管理委员会）

Apache Governance (Project Management Committee)

设置项目方向：特性，发布时间

Sets Direction of Project: features, release timing

投票邀请 Contributor 成为新的 Committer

Votes to invite contributors to become new committers

软件发布表决（基金会认定的合法的行为）

Votes to release software (legally, an act of the Foundation)

处理与安全相关的问题，商标问题

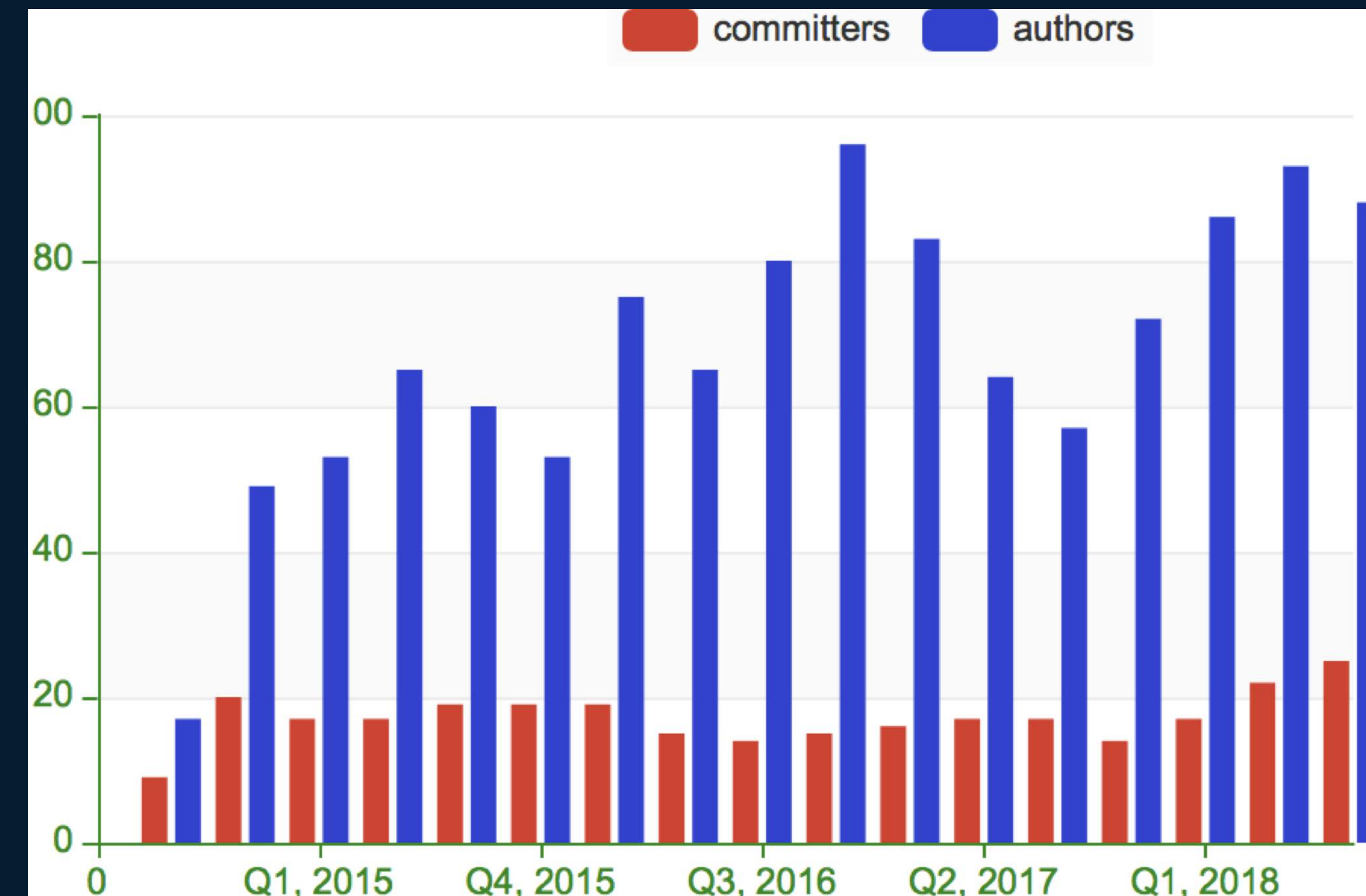
Handles security-related issues, trademark issues

健康的社区才能推动发展 Healthy Communities Drive Development

42 Flink Committers

更改了7,099,511行代码
Changed 7,099,511 lines of code

超过15,106次提交
Over 15,106 commits





Apache Flink 将继续壮大和发展

Apache Flink Continuing to Engage and Grow

公共邮件列表中有超过300,000封电子邮件
More than 300,000 emails across public mailing lists

第一次 Flink Forward 2015：旧金山和柏林..... 2018年登录
新的大洲！

First Flink Forward 2015: SF and Berlin ...on to new
continents in 2018!

Apache Flink 完美诠释了 Apache 之道！
Apache Flink is an example of The Apache Way done right!

帮助为未来的项目奠定基础

Help lay the foundation for future projects

贡献代码，文档

Contributing Code, Documentation

在会议上发言

Speaking at Conferences

传播信息

Spreading the Word

支持社区

Supporting the Community

成为孵化器导师

Becoming an Incubator Mentor

帮助他人

Helping Others

Apache: 20年历程还将继续.....

Apache: 20 Years and Counting...

开放
Open

革新
Innovation

社区
Community

www.apache.org



THE
APACHE®
SOFTWARE FOUNDATION

THANKS

