Apache Incubator: where it is coming from and where it is going.

Roman Shaposhnik <rvs@apache.org>
Who’s this guy?

- Director of Open Source strategy @Pivotal
- Former VP of Apache Incubator
- Committer and PMC members on a few Bigdata projects
- Mentor of
  - Groovy
  - HTrace
  - Ignite
  - Zeppelin
- Former mentor of Celix, Spark, Samza, etc.
This is *not* that kind of talk
Preventing “nobody’s home”
ASF: community over code
501(c)(3) view of ASF

Apache Org Chart

- Members ~400
  - Nominate, elect new members
- Board of 9 Directors
  - Appoint officers
  - Report monthly
  - Organizational Oversight
  - Nominate, elect new directors annually
- Officers ~10
  - Define organizational & legal policies
- Committers ~3,000
  - Write project code
  - Nominate, elect new committers
- PMC 100+
  - Create & update upon PMC request
  - Report quarterly
  - Technical Oversight
  - Vote for project releases
Just like a corporation

Infrastructure Team

Travel Assistance Committee

Public Relations Committee
press@apache.org

ASF Legal Team
legal-discuss@apache.org

Fund Raising
fundraising@apache.org

Sponsorship Program
sponsor.apache.org
Platinum sponsors are:
Google, Yahoo, Microsoft

Security Response Team
security@apache.org
Just like products

Abdera
Accumulo
ACE
ActiveMQ
Airavata
Allura
Ambari
Ant
Any23
APR
Archiva
Aries
Avro
Axis
Bigtop
Bloodhound
Buildr
BVal
Camel
Cassandra
Cayenne
Celix
Chemistry
Chukwa
Clerezza
Click
CloudStack
Cocoon
Commons
Continuuum
Cordova
Creadur
Crunch
CTAKES
Curator
CXF
DB
DeltaCloud
DeltaSpike
DirectMemory
Directory
Empire-db
Etch
Felix
Flex
Flume
Forrest
Geronimo
Giraph
Gora
Gump
Hadoop
Hama
HBase
Helix
Hive
HttpComponents
HTTP Server
Isis
Jackrabbit
James
jclouds
Jena
JMeter
JSPWiki
jUDDI
Kafka
Karaf
Knox
Lenya
Libcloud
Logging
Lucene
Lucene.Net
Lucy
Mahout
ManifoldCF
Marmotta
Maven
Mesos
MINA
MRUnit
MyFaces
Nutch
ODE
OFBiz
Olingo
Onami
OODT
Oozie
Open Climate
Workbench
OpenJPA
OpenMeetings
OpenNLP
OpenOffice
OpenWebBeans
PDFBox
Perl
Phoenix
Pig
Pivot
POI
Portals
Qpid
Rave
River
Roller
Santuario
ServiceMix
Shindig
Shiro
SIS
Sling
SpamAssassin
Spark
Sqoop
Stanbol
STeVe
Storm
Struts
Subversion
Synapse
Syncope
Tajo
Tapestry
Tcl
Tez
Thrift
Tika
Tiles
Tomcat
TomEE
Traffic
Server
Turbine
Tuscany
UIMA
VCL
Velocity
VXQuery
Web
Services
Whirr
Wicket
Wink
Wookie
Xalan
Xerces
Xerces
XMLBeans
XML
Graphics
ZooKeeper
Where’s this guy?
What’s the next big thing from ASF?
“Software doesn’t come from ASF. Software comes to ASF” - Ted Dunning
“Software doesn’t come from ASF. Software doesn’t come to ASF. Communities come to ASF” - Me
“Software doesn’t come from ASF. Software doesn’t comes to ASF. Communities come to ASF Incubator.”
Apache Incubator
Origins of Incubator
ASF: the early years

- Started from Apache Group in 1999
- 8 folks hacking *abandoned* httpd code from NCSA
- Formed a non-profit, membership based charity
- Jakarta: first non-httpd, umbrella project 1999
- 1999-2002:
  - httpd lineage: perl, php, tcl, apr
  - Jakarta lineage: db, commons
- Incubator PMC formed in 2002: Jim Jagielski, Aaron Bannert, Nicola Ken Barozzi, Ken Coar, Roy T. Fielding, B. W. Fitzpatrick, Greg Stein, Sander Striker
ASF project established in 2002

“a Project Management Committee charged with accepting new products into the Foundation, providing guidance and support to help each new product engender their own collaborative community, educating new developers in the philosophy and guidelines for collaborative development as defined by the members of the Foundation, and proposing to the board the promotion of such products to independent PMC status once their community has reached maturity.”
Incubator today
What is Incubator

- Amazingly enough, it is a TLP
- IPMC == Incubator
- We produce communities, not code
- A place to guide and support emergent communities, and..
- …also a place to evaluate them
- Educate news developers on guidelines for building strong, viable communities
- IP hygiene and brand management practices
- Review and bless podling releases
Indoctrinate into “Apache Way”
What is Incubator

- Candidate
  - Create proposal
  - Find a Sponsor
  - Find Mentors
  - Team up
  - Help
  - Recruit

- Mentors

- Podling

Incubator Community

Feedback / Discuss

Vote

Call a vote

Preincubation

Incubation
Who are all these people?

- Champions
- Sponsors
- Mentors
- Committers
- Chair of the IPMC
- Shepherds
Chickens

- Champions
- Officers or members of ASF
- A single point of contact for a project entering incubation
- Your best asset in navigating IPMC

- Sponsors
- TLP that advocates for a project as a worthy addition to ASF
- An entity nominating mentors for the project
Pigs

• Mentors
  • Incubator’s “boots on the ground”
  • Your source of 3 IPMC +1 votes for releases

• Committers
  • group of folks eventually becoming TLP community
  • PPMC != IPMC
  • PPMC ~= committers
Overhead

- Chair of the IPMC
- A liaison to Apache Board
- A poor dude(ss) turning the crank of bureaucracy

- Project Shepherds
- “legs of the Chair”
- volunteers helping with the report
- our first attempt at solving Incubator scalability issues
What are we all looking at?

- Graduation
- Reports (first monthly, then quarterly)
  - Submitted two weeks ahead of board meetings
  - Short description of a project
  - “Three graduation blockers”
- Escalations to the [IPMC] Board
- Date of last release
- Date of last committer/PMC election
- Signed by mentors, reviewed by shepherds
Isn’t this ASF board mini-me?
What’s different from the board

- The whole process is predicated on mentors
- Volunteers vs. committed volunteers
- The board still reads all of the reports, anyway, but…
- …it still delegates to IPMC
- Lots of voices (~200 vs 8)
The road ahead...
Incubator evolution proposals

- Chris Mattmann’s reboot proposal
- IPMC moves to ComDev
- All poddlings become TLPs
- Benson Margulies’s Incubator V2
  - [https://wiki.apache.org/incubator/IncubatorV2](https://wiki.apache.org/incubator/IncubatorV2)
- pTLP with Incubator committee
pTLP without a ‘p’

- Apache Zest (incubating?)
At the end of the day...

- Incubator usually works (and is a lot of fun!)
- Please help
  - “Pay it forward”
  - Review releases
  - Volunteer to be a shepherd
  - Contribute to the documentation
Attributions

- Blake Patterson via Wikimedia Commons
- Nick Burch
- IPMC and folks around it
Roman Shaposhnik
@rhatr
rvs@apache.org