

Clowder All Paws

June 23, 2016

Meetings Format

- ☐ **Monthly**
- ☐ **Eventually opened to external collaborators**
- ☐ **Agenda**
 - ☐ **(15 mins) next release status**
 - ☐ **(10 mins x 3) show and tell of new features**

What these meetings should **not** be

- ☐ An opportunity for people to complain about things they don't like
 - ☐ "My project wants it this way"
- ☐ Bring it up outside of this meeting in a constructive way

In 15 years at NCSA...

- ☐ **I have rarely written software that was used outside of the project it was written for or within the same group**
- ☐ **Unfortunately projects end**
- ☐ **I have deployed and customized open source software written by others**
- ☐ **And felt envious for those lucky enough to have enough support to bringing software out the demo stage (this is expensive)**

CATS-1

Get 100 active users

CATS-X
Get X outside
contributors

Getting active users...

- ☐ Requires a high level of polish
- ☐ Good user experience for end users
- ☐ Good code quality for contributors

No single project wants to, or can, do this

- ☐ **Because it's not their project**
- ☐ **Because they don't have enough funding**
- ☐ **Because they are focused on one aspect**

**So we build an
(open source) community**

To provide quality

@ISDA we build frameworks

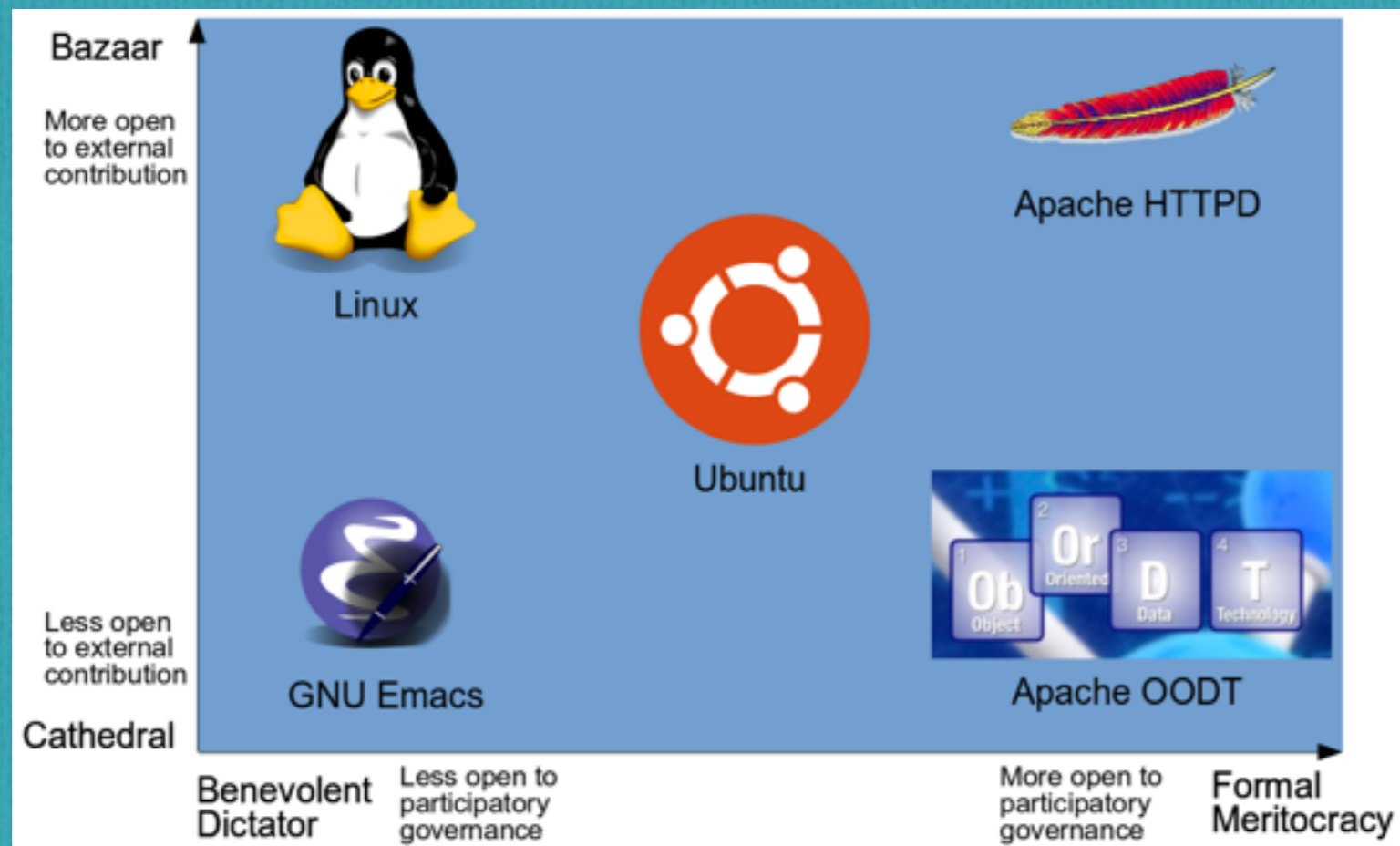
- ☐ **We do, but mostly for us**
 - ☐ **... and sometimes our collaborators**
- ☐ **We want to change that**
 - ☐ **We want our software to have a lifespan that goes beyond specific projects**
 - ☐ **We want our software to be used widely beyond specific projects**

**Clowder is one
opportunity to do so**

How

Governance Model

<http://oss-watch.ac.uk/resources/governancemodels>



“It provides a mechanism for allowing the community as a whole to define the direction they feel the project should take, while ensuring that the core project team does not lose control.”

'A benevolent dictator...

- ☐ **... is responsible for determining the general direction of the project and making the final decisions when the community is in disagreement**
- ☐ **As more and more members join the community, the benevolent dictator strives to ensure that these decisions are in the best interests of the project, rather than the interests of any particular individual or organisation.**
- ☐ **A good benevolent dictator needs to be able to balance the conflicting requirements of community members. This is no easy task."**

“Although "benevolent dictator" (or BD) is the standard term for this role, it would be better to think of it as "community-approved arbitrator" or "judge". Generally, benevolent dictators do not actually make all the decisions, or even most of the decisions. It's unlikely that one person could have enough expertise to make consistently good decisions across all areas of the project, and anyway, quality developers won't stay around unless they have some influence on the project's direction.”

<http://producingoss.com/html-chunk/social-infrastructure.html#benevolent-dictator-qualifications>

Meritocracy

- ☐ **Government by merit**
- ☐ **"There is an increased need for a formal decision making process, since there is no single person able to break a deadlock."**
- ☐ **Works well for very large organizations (like ASF)**
- ☐ **Decision making**
 - ☐ **<http://www.apache.org/foundation/how-it-works.html>**

**Currently I am your
benevolent dictator**

ASF Users / Contributors / Committers

- ☐ **Committers: Luigi, Rob, ???**
 - ☐ **Can merge into master / develop**
- ☐ **Contributors**
- ☐ **Users**

CONTRIBUTORS.md

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Will Hennessy

Winston Jansz

Xiaocheng Yuan

Yan Zhao

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Contributing A Project - CoPDoC

<http://community.apache.org/contributors>

- ☐ **The foundations of an Apache project and how the community contributes to it is sometimes referred to by the acronym CoPDoC:**
 - ☐ **(Co)mmunity - one must interact with others, and share vision and knowledge**
 - ☐ **(P)roject - a clear vision and consensus are needed**
 - ☐ **(Do)cumentation - without it, the stuff remains only in the minds of the authors**
 - ☐ **(C)ode - discussion goes nowhere without code**

**A good release
schedule**

Release schedule

- ☐ **Release often**
- ☐ **Test, test, test**
- ☐ **Communicate what's coming down the pipeline**
- ☐ **A good branching workflow (more on this later)**

Improvements to current workflow

- ☐ **All tasks need to have a tentative release**
- ☐ **New features or big changes to existing features need to be discussed with the community**
- ☐ **Create wiki pages describing your thinking and design**
- ☐ **Overhead? Sure, but should result in better quality and free documentation!**

Tentative Plan

- ☐ 1.0 August 2016

- ☐ Basic functionality in place

- ☐ 1.1 October 2016

- ☐ Refactorama (code cleanup - views)

- ☐ Upgradorama (Play 2.5, Salat)

- ☐ 1.2 November 2016

- ☐ New features

- ☐ 2.0 March 2017

- ☐ Only ceiling cat knows

Solid Documentation

Documentation

- ☐ We don't have documentation
- ☐ I need help writing it
- ☐ <https://clowder.ncsa.illinois.edu/docs/>
- ☐ [https://opensource.ncsa.illinois.edu/confluence/display/](https://opensource.ncsa.illinois.edu/confluence/display/CATS)
CATS

Documentation (2)

- ☐ <https://clowder.ncsa.illinois.edu/docs/>
 - ☐ User's Guide
 - ☐ Using it
 - ☐ Installation
 - ☐ Developer's Guide
 - ☐ Code style guide

Active hip chat and mailing lists

- ☐ **DS from IGB asked about installing Clowder on hip chat**
- ☐ **Thank you Rob for helping him out!**
- ☐ **We all need to try and be responsive**
- ☐ **Mailing list? Majordomo? Google groups? Others?
Different chat? IRC?**

Comprehensive Testing Suite

Tests

- ☐ We have some
- ☐ We ALL need to write them
- ☐ Every time we write a new feature we break an old one
 - ☐ Normal with so many hands on deck
- ☐ We need functional testing of the web app
 - ☐ I have some examples using Selenium

Clear Message

Identity / Marketing

- ☐ The logo and name are a joke, but they are intended to help make our identity unique and memorable
- ☐ Our message needs to be clear and consistent
- ☐ We have to sell the projects and the software
 - ☐ At least to respect the effort of others
 - ☐ But also to build brand identity

Funding Sources

NARA/NSF OCI – Understanding Data Intensive and CPU Intensive Services to Support Preservation and Reconstruction of Electronic Records

NSF CDI – Groupscope: Instrumenting Research on Interaction Networks in Complex Social Contexts

NSF EAR – Critical Zone Observatory Network for Intensively Managed Landscapes (IML-CZO)

NIH – Immunomodulatory and Regenerative Effects of Mesenchymal Stem Cells on Allografts

Illinois-Indiana Sea Grant – Great Lakes Monitoring

European Commission – Linking Scientific Computing in Europe and the Eastern Mediterranean

XSEDE – Large Scale Video Analytics

NSF ACI – CIF21 DIBBs: Brown Dog

NSF ACI - Sustainable Environment through Actionable Data (SEAD)

ARPA-E - TERRA-REF

NSF ACI - CIF21 DIBBs: T2-C2: Timely and Trusted Curator and Coordinator Data Building Blocks

**We are all leveraging the
effort of everyone else**

<https://clowder.ncsa.illinois.edu/>

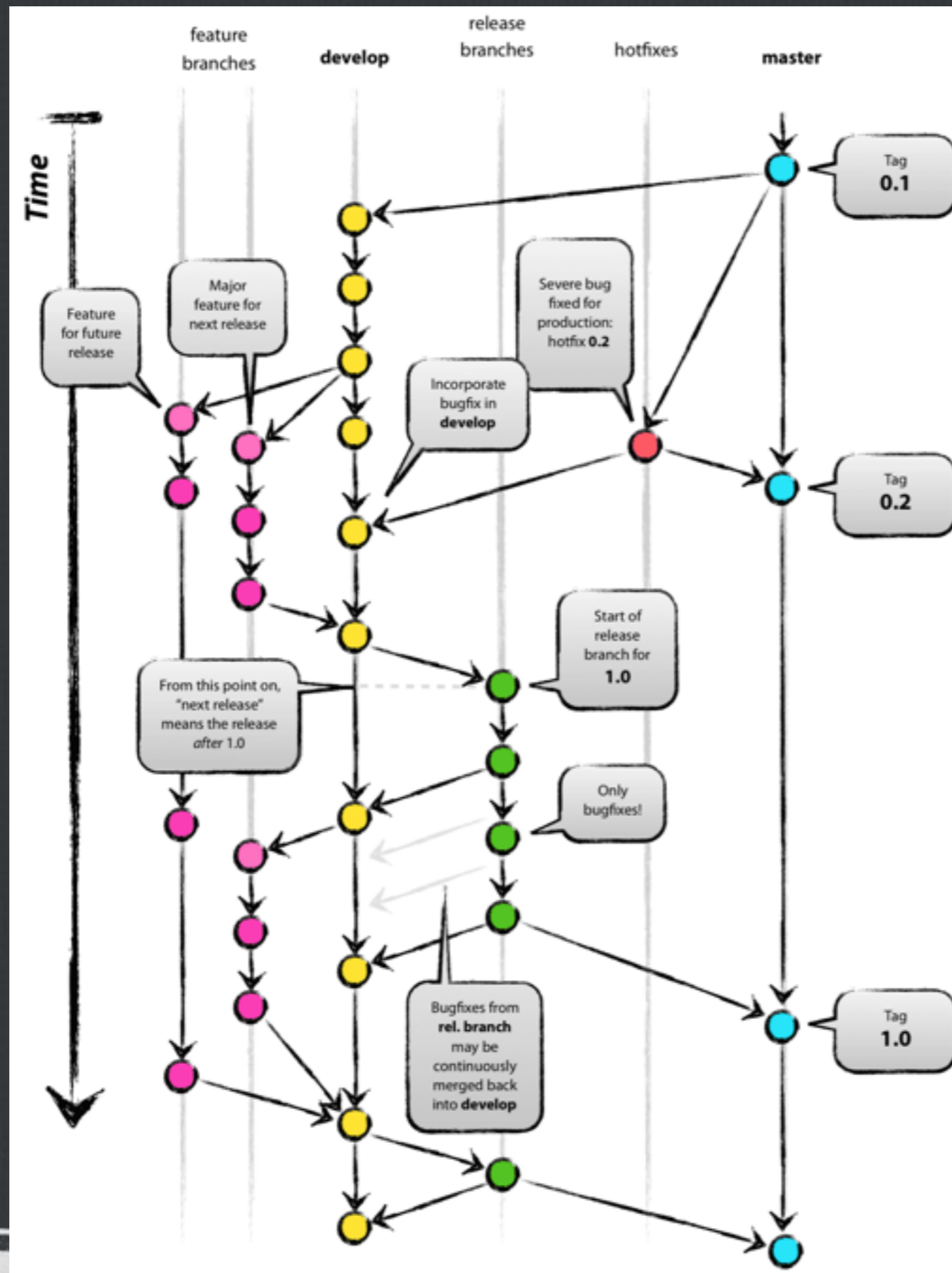
Branching Workflow

Semantic Versioning

<http://semver.org/>

- ☐ **MAJOR.MINOR.PATCH**
- ☐ **MAJOR** version when you make incompatible API changes,
- ☐ **MINOR** version when you add functionality in a backwards-compatible manner, and
- ☐ **PATCH** version when you make backwards-compatible bug fixes.
- ☐ Additional labels for pre-release and build metadata are available as extensions to the MAJOR.MINOR.PATCH format.

<http://nvie.com/posts/a-successful-git-branching-model/>



CHANGELOG

<http://keepachangelog.com/>

Change Log

All notable changes to this project will be documented in this file.

This project adheres to [Semantic Versioning](<http://semver.org/>).

[Unreleased]

Added

- zh-CN and zh-TW translations from @tianshuo.
- de translation from @mpbzh.

[0.3.0] - 2015-12-03

Added

- RU translation from @aishek.
- pt-BR translation from @tallesl.
- es-ES translation from @ZeliosAriex.

[0.2.0] - 2015-10-06

Contributor License Agreement

☐ **We don't have one**

I cannot make you do any of this

**You have to create opportunities to
contribute**

**What's the most important
priority?**

**What aspect can you contribute
to?**