# cloud STACK | COLLABORATION CONFERENCE

# Apache governance and the CloudStack community

What and who are we, and what can we do as a community.

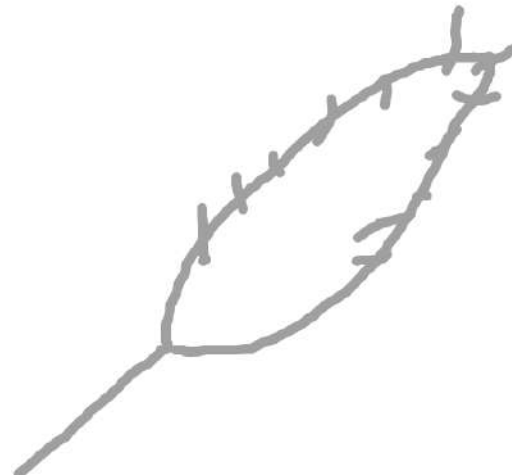**November 20 - 22, 2024** | Madrid, Spain

# me

dahn at the ASF

daan.hoogland at gmail or shapeblue

DaanHoogland at github (or twitter)

DHoogland at linkedin

# What does apache mean to us



There is a hierarchical organisation,

but the merit of code and people is what matters.

Q: Why?

A: why: long term stable software

This is the mess that I'll explain to you in this talk

# Apache, Genesis

- Brian Behlendorf
- Ken Coar
- Mark Cox
- Lars Eilebrecht
- Ralf S. Engelschall
- Roy T. Fielding
- Dean Gaudet
- Ben Hyde
- Jim Jagielski
- Alexei Kosut
- Martin Kraemer
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- Cliff Skolnick
- Marc Slemko
- Bill Stoddard
- Paul Sutton

- Randy Terbush

- Dirk-Willem van Gulik



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wh... SF.



Diamond

Gold

Silver

Welcome Party Sponsor | Local Event Supporter | Community Sponsor

and outside this conference there are even more

and that's it ...

# apache bylaws

https://apache.org/foundation/bylaws.html

ethos:

- merit,
- consensus,
- community,
- charity.

# Voting in apache

minimum of three votes

more +1 than -1

In CloudStack we are even more focussed on consensus than that.
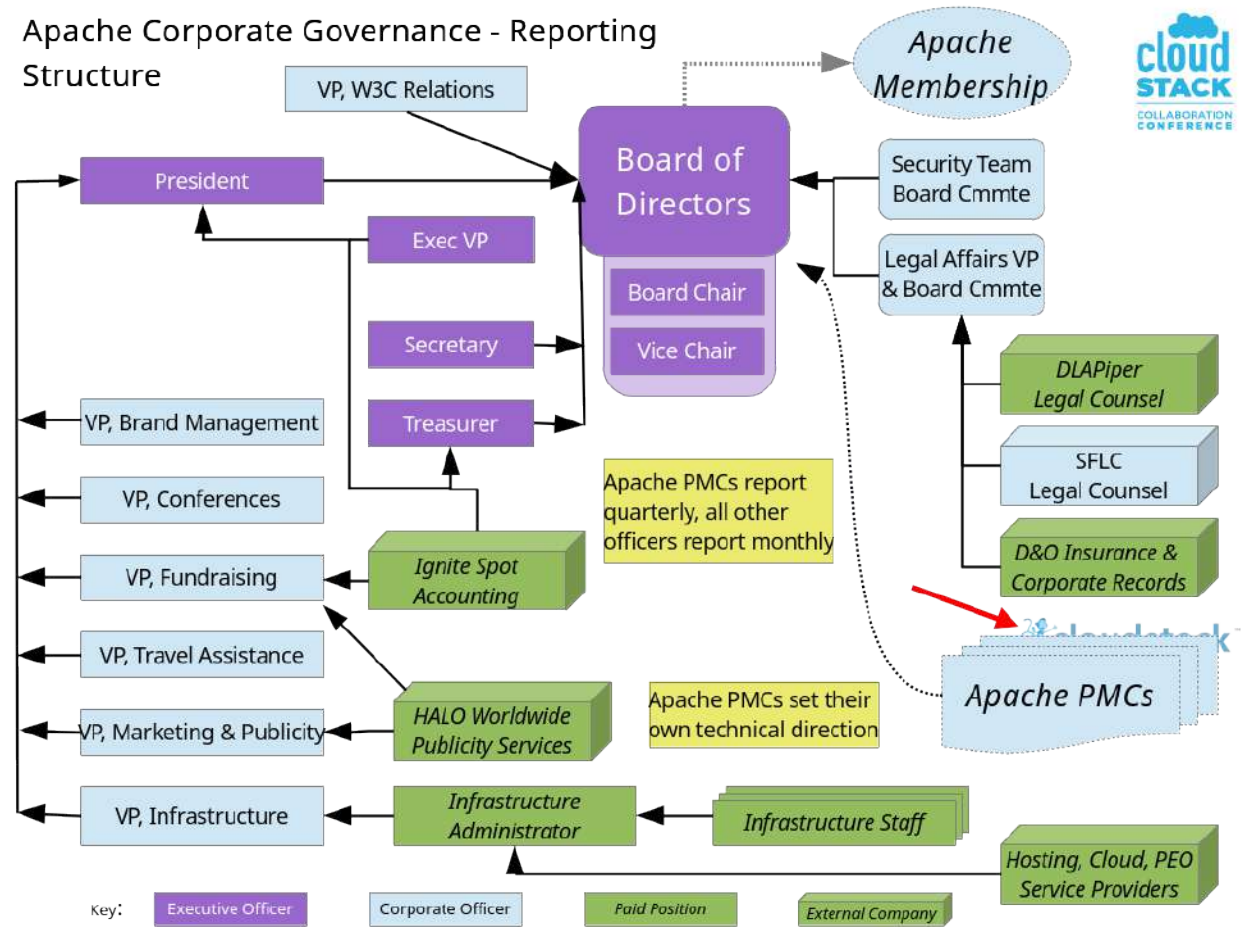
# projects vs products

It is the objectives of the foundation to maintain and deliver projects

In turn, it is up to the projects to deliver releases, i.e. half-products

projects often deliver installable packages as extra service.

(as do companies ;)

# foundation with top level projects



Apache Corporate Governance - Reporting Structure

VP, W3C Relations

Apache Membership

Board of Directors
- Board Chair
- Vice Chair

President

Exec VP

Secretary

Treasurer

Security Team Board Cmmte

Legal Affairs VP & Board Cmmte

DLAPiper Legal Counsel

SFLC Legal Counsel

D&O Insurance & Corporate Records

Apache PMCs

VP, Brand Management

VP, Conferences

VP, Fundraising

VP, Travel Assistance

VP, Marketing & Publicity

VP, Infrastructure

Apache PMCs report quarterly, all other officers report monthly

Ignite Spot Accounting

Apache PMCs set their own technical direction

HALO Worldwide Publicity Services

Infrastructure Administrator

Infrastructure Staff

Hosting, Cloud, PEO Service Providers

Key: Executive Officer | Corporate Officer | Paid Position | External Company

# everything is a project

Cloudstack is a toplevel project like

- httpd
- tomcat
- airflow
- ... 300+ others

but also projects are

- marketing
- public relations
- infra
- ... some others.

# (Apache) Cloudstack, prehistory

Before, when animals still could speak ; https://www.cloud.com/

- launched as VMops in 2010

- rebranded as cloud.com in 2010

- bought by Citrix in July 2011 and released as 2.x

- made open source by citrix as releases 3.y

after this

- Citrix continued to develop CitrixCloudPlatform as a commercial fork of the project.

- CloudPlatform was sold to Accelerite in January 2016

- neither of these companies are now involved in the CloudStack project

- Accelerite continues to support their latest release 4.15, but no updates so far

# Cloudstack(4), Genesis

Donated by citrix and accepted by apache in April 2012 as an incubator project

Incubator projects at apache

- have to prove they have a community behind them
- have to prove they are behind the community
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In november 2012: https://cloudstack.apache.org/blog/apache_cloudstack_4_0_0/

# Cloudstack4, Genesis (continued)

and when all requirements are met (in march 2013),

https://cloudstack.apache.org/blog/the_apache_software_foundation_announces/ Apache CloudStack is promoted from the incubator to a TLP, a Top Level Project.

(remember projects vs products (but also projects vs projects))

# Voting

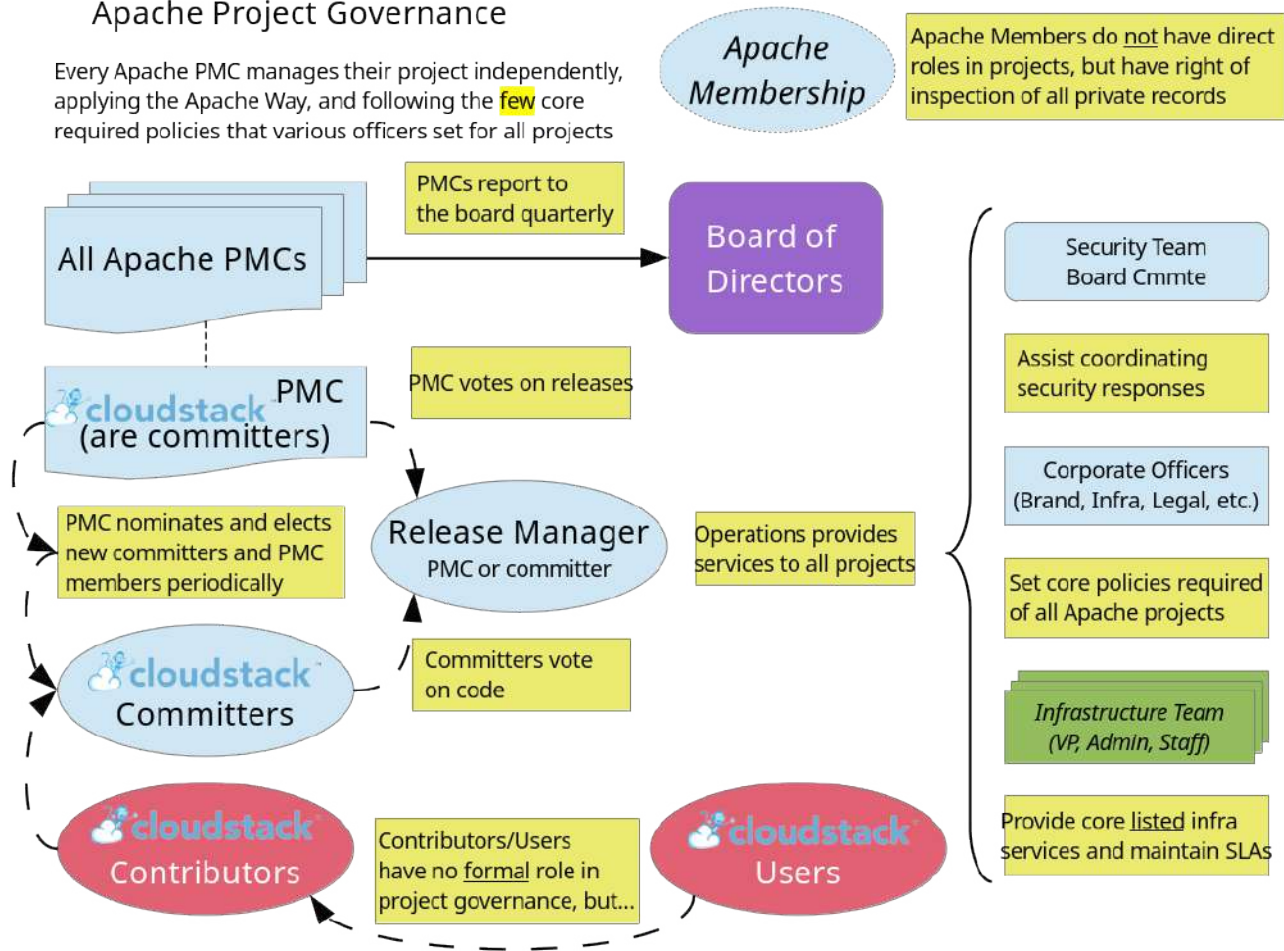So in Cloudstack;

minimum of three votes

no -1

this means if you -1 you take on the responsibility to deal with your objection,

i.e. provide and alternative that is acceptable.

# Apache Project Governance

Every Apache PMC manages their project independently, applying the Apache Way, and following the ==few== core required policies that various officers set for all projects

**Apache Membership**

Apache Members do <u>not</u> have direct roles in projects, but have right of inspection of all private records

**All Apache PMCs**

PMCs report to the board quarterly

**Board of Directors**

**cloudstack PMC (are committers)**

PMC votes on releases

PMC nominates and elects new committers and PMC members periodically

**Release Manager** PMC or committer

Operations provides services to all projects

**cloudstack Committers**

Committers vote on code

**cloudstack Contributors**

Contributors/Users have no <u>formal</u> role in project governance, but...

**cloudstack Users**

Security Team Board Cmmte

Assist coordinating security responses

Corporate Officers (Brand, Infra, Legal, etc.)

Set core policies required of all Apache projects

*Infrastructure Team (VP, Admin, Staff)*

Provide core <u>listed</u> infra services and maintain SLAs

Personal involvement path

# times they are a changin

Under pressure currently mostly by the european union,

the Apache Foundation will take more control on release and urgency responses in the future.

Motivators (for/from the EU):

- privacy - gdpr

- security - cra

- AI

intrinsically:
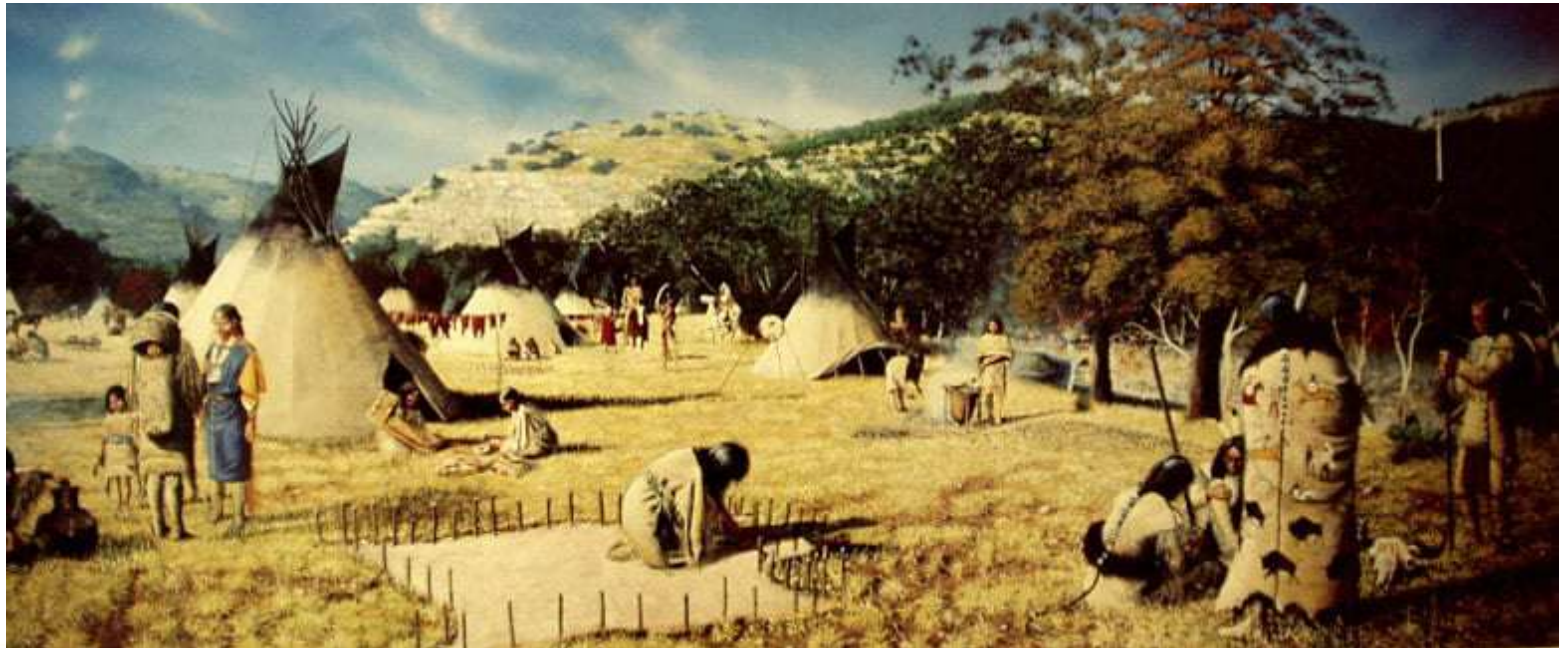
- logo/name (appropriation)

but also on project specifically:

- broadcom ...

# proposed/prospected foundation work

https://www.apache.org/theapacheway/

# proposed/prospected project work

- renewed definition of security process
- repeating feedback efforts (to get feedback from users)

# The current security information

https://cwiki.apache.org/confluence/pages/viewpage.action?pageId=30738117#ReleaseProcedure-ContactSecurityTeam

https://cwiki.apache.org/confluence/display/CLOUDSTACK/Security+response+procedure

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https://cwiki.apache.org/confluence/display/CLOUDSTACK/Security+pre-disclosure+list

https://cwiki.apache.org/confluence/display/CLOUDSTACK/How+to+report+a+security+vulnerability+in+Apache+CloudStack
 (obsoleted)

🔍  is:open category:Q&A

## Categories   ✏️      🙏 Q&A
Ask the community for help

# Apache governance and the CloudStack community

What and who are we, and what can we do as a community.

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very basic knowledge of what cloudstack is and can do, is assumed.
There will be no explanation of the product, only of the project.
I'll show some complicated organograms, and explain what these mean.

# me

dahn at the ASF
daan.hoogland at gmail or shapeblue
DaanHoogland at github (or twitter)
DHoogland at linkedin
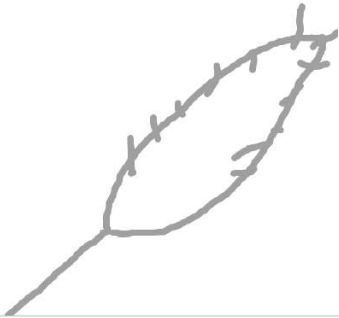
open source through employers before but at apache since before 4.0.0
committer since "23 August 2013 15:02:40 CEST".
making hot sauce
triathlon
languages

There is a hierarchical organisation, but the merit of code and people is what matters.
code is accepted on the basis of the code,
not on the basis of the contributor, their role or identity.

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wikipedia
picture is the 20th birthday (I think)
build around httpd

wh  SF.

Diamond

CloudOps by aptum    Shape Blue    LIN·BIT    StorPool DISTRIBUTED STORAGE

CLOUDIAN    YOTTA    DIMSI Cloud & Services    netris

Gold

Your. Online    leaseweb

and outside this conference there are even more

Silver

PR(I) www.proio.com    AMPERE.

Welcome Party Sponsor    Local Event Supporter    Community Sponsor

CDLAN    JOTELULU    we SYSTEMS

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there are sponsors like shapeblue and your.online (that sponsor lab space) and a lot more that "sponsor" man-hours, but in terms of ASF…

and that's it ...

companies mean nothing. individuals mean everything in terms of contribution.
spare time/work time.

# A primer on governance of Apache CloudStack

how do the foundation is organised, and to what rules the projects must adhere.

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policy for sponsored conferences using the trademark.
trademarks and guard them.

# apache bylaws

ethos:

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would auto-emeritus be an idea?

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In CloudStack we are even more focussed on consensus than that.

sometimes binding is of consequence, but everybody is always invited to vote.
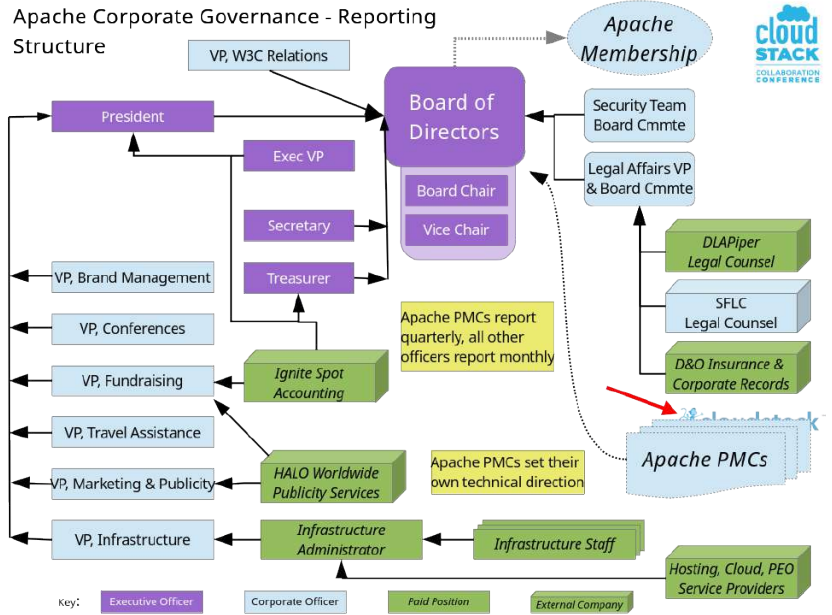
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Apache Corporate Governance - Reporting Structure

this is a structured mess
PMCs are …

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- airflow
- ... 300+ others

but also projects are

- marketing
- public relations
- infra
- ... some others.

300+ means 295 TLP projects and some 35 podlings
marketing reviews announcements etc.
public relations visits the EUC (and european parlement) to see how the laws are
going to affect us (GDPR/CRA)

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wikipedia
https://web.archive.org/web/20160304200501/http://www.zdnet.com/article/citrixs-acquisition-of-cloud-com-last-piece-for-vmware-assault/
https://techcrunch.com/2011/07/12/citrix-buys-cloud-com-for-more-than-200-million-redpoint-is-on-a-roll/

meanwhile ACS is about to release 4.20

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wikipedia

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wikipedia

# Voting

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i.e. provide and alternative that is acceptable.

when are binding votes needed
example technical issues are decided by the committers on the basis of input of all contributors involved. The task of the PMC is 'just' to guard that in this instance rules on lazy consensus and/or technical votes are adhered to.
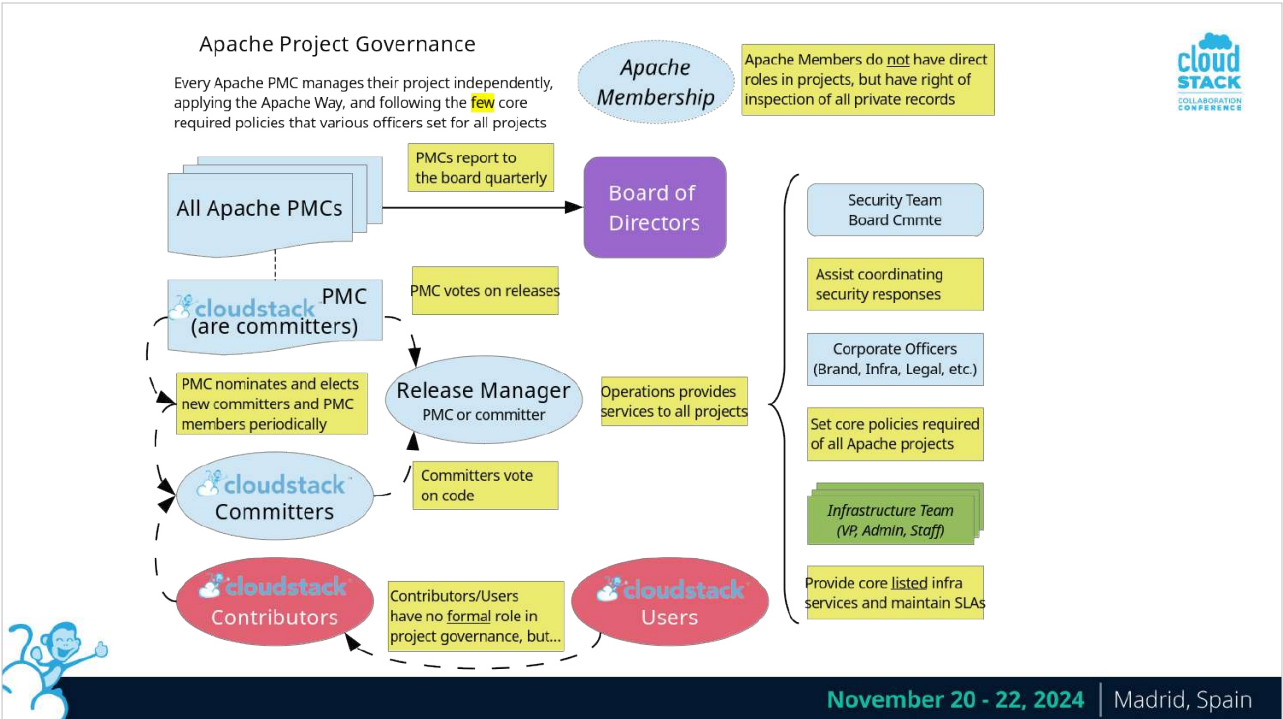
committers and pmc/members ara always people never … *companies*
PMC are contributors
Committers are contributors
the release manager is a contributor
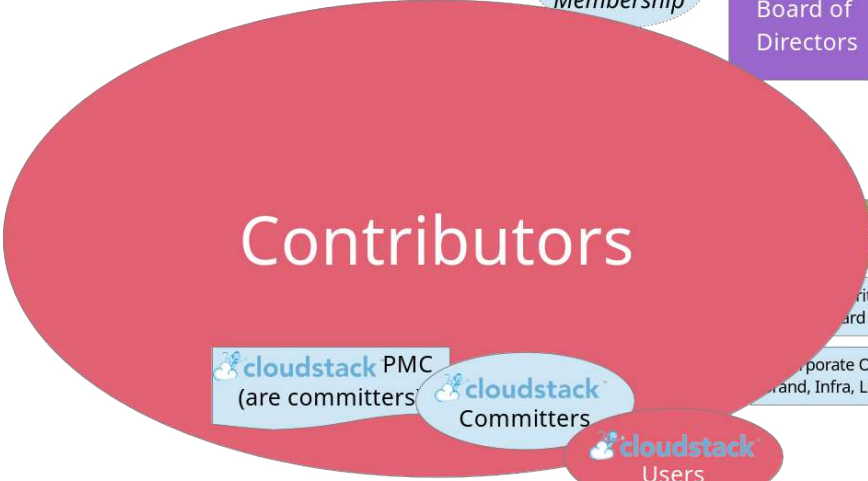
Personal involvement path

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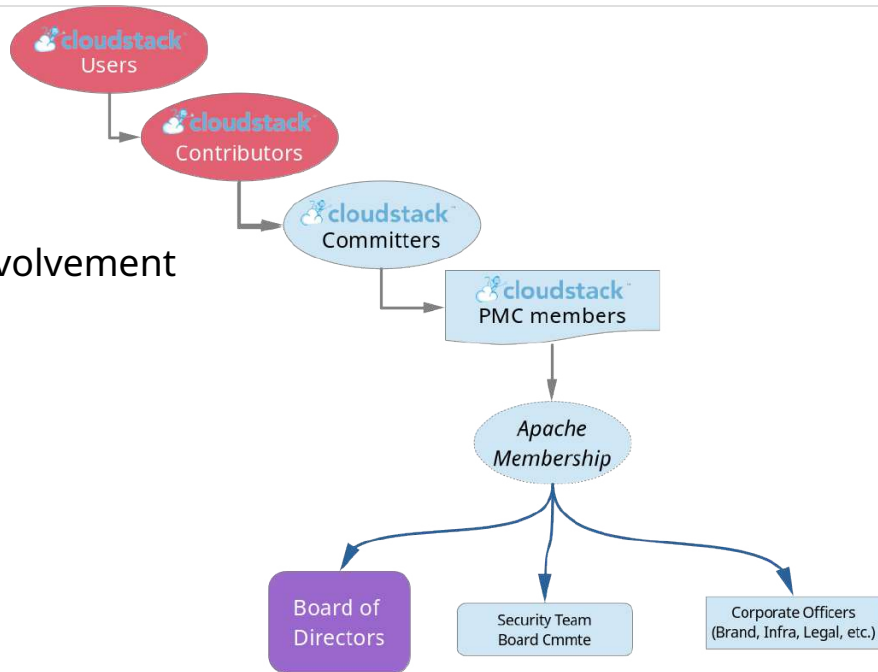
We have some active contributors that are members,
but for instance also a president of the foundation that used to be very active in the project.

# times they are a changin

Under pressure currently mostly by the european union,

the Apache Foundation will take more control on release and urgency responses in the future.

Motivators (for/from the EU):

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# proposed/prospected foundation work

https://www.apache.org/theapacheway/

# proposed/prospected project work

- renewed definition of security process
- repeating feedback efforts (to get feedback from users)

PMC tasks include (but not limited to):
release process guarding
react to security reports
discuss things like:
- new blog,
- adding github discussions, wiki or actions. (first submitted as ideas on dev@)
- negotiate implementation of ideas with ASF+infra.

# The current security information

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 (obsoleted)

Daniel, our current VP and I are working on revising these.