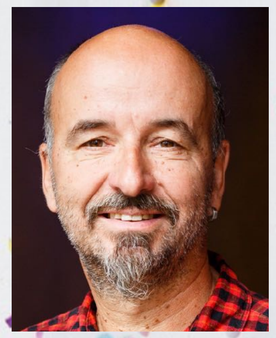
L'Open Source change le monde. Vraiment?

Bertrand Delacrétaz - Principal Scientist, Adobe Research Switzerland, Bâle
Membre et ancien Directeur, Apache Software Foundation :: @bdelacretaz :: grep.codeconsult.ch

BLEND WEB MIX
Lyon, Novembre 2019



Be
Sagmeister & Walsh

Illustrations: Adobe Stock, sauf indication contraire :: Révision 2019-11-12

Open Source?

Devenir Directeur...

The Apache Software Foundation

Board of Directors Meeting Minutes

June 25, 2008

Roll Call

Directors Present:

Bertrand Delacretaz
Justin Erenkrantz
J Aaron Farr
Jim Jagielski
Geir Magnusson Jr
William Rowe Jr
Sam Ruby
Henning Schmiedehausen
Greg Stein

THE APACHE® SOFTWARE FOUNDATION

Une carrière propulsée par l'Open Source. Vraiment?

The Board of Directors of The Apache Software Foundation (ASF) is responsible for management and oversight of the business and affairs of the corporation in accordance with the Bylaws.

cocoon™

THE APACHE® SOFTWARE FOUNDATION

Day™

Sling™

Adobe

The Apache™ FOP Project

APACHE™ FOP DEVELOPMENT: RTFLIB (JFOR)

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Nouvo
Faites tourner l'info!

APACHE INCUBATOR

1998 2000 2003 2004 2007 2008 2009 2010 2011

L'Open Source est PARTOUT

PARTOUT ?

HEIDI.NEWS

How Google wants to reinvent cloud computing and renew itself in the process

par Stefan Betschon - NZZ

Urs Hölzle au Web Summit en 2014 | Web Summit/Flickr/Creative Commons

Google is pressing ahead with Cloud Computing. As Senior Vice President, Swiss citizen Urs Hölzle is leading this charge.

What are the most important basic innovations that have changed the computer world in recent years?

Open-source software has changed everything. It's an important trend. Everyone relies on it these days.

Sources:
https://www.heidi.news/articles/how-google-wants-to-reinvent-cloud-computing-and-renew-itself-in-the-process
https://www.theregister.co.uk/2001/06/02/ballmer_linux_is_a_cancer/
https://mail.openjdk.java.net/pipermail/discuss/2019-October/005173.html
https://twitter.com/jerenkrantz/status/1171053570835255296

Justin Erenkrantz @jerenkrantz 19m

Ha! En route to the airport for #ApacheCon in Vegas. Driver has his car's heads up display on and a menu option says "Open Source Software" - we so unequivocally won.

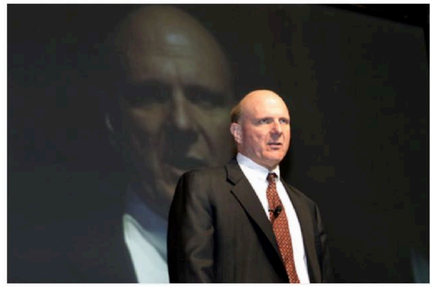
1 8

2001

Ballmer: 'Linux is a cancer'

Contaminates all other software with Hippie GPL rubbish

By Thomas C Greene 2 Jun 2001 at 18:19 SHARE ▼



Credit: Imagemaker via Shutterstock

2019

Microsoft's Ready do Contribute to OpenJDK

Bruno Borges Bruno.Borges at microsoft.com
Wed Oct 30 21:45:15 UTC 2019

- Previous message: OpenJDK Governing Board Minutes: 2019/10/10
- Next message: Re: Microsoft's Ready do Contribute to OpenJDK
- **Messages sorted by:** [date] [thread] [subject] [author]

```
Subject: Microsoft's Ready do Contribute to OpenJDK

Hi OpenJDK Community,

In the past week Microsoft formally signed the Oracle Contributor Agreement
```

La "pourriture hippie GPL" (*) c'est du passé...

L'Open Source est dans le moteur...

(*) "Hippie GPL rubbish" - page précédente

Les Communautés Open Source font la DIFFÉRENCE

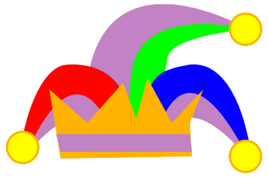
THE APACHE® SOFTWARE FOUNDATION

www.apache.org

US 501(c)(3) charitable organization

Un **espace neutre** où des projets qui sont **indépendants** de toute influence commerciale peuvent prospérer et créer des **logiciels Open Source pour le bien public**.
En utilisant la licence "Apache License 2.0" qui permet les **activités commerciales**.

(traduction libre)

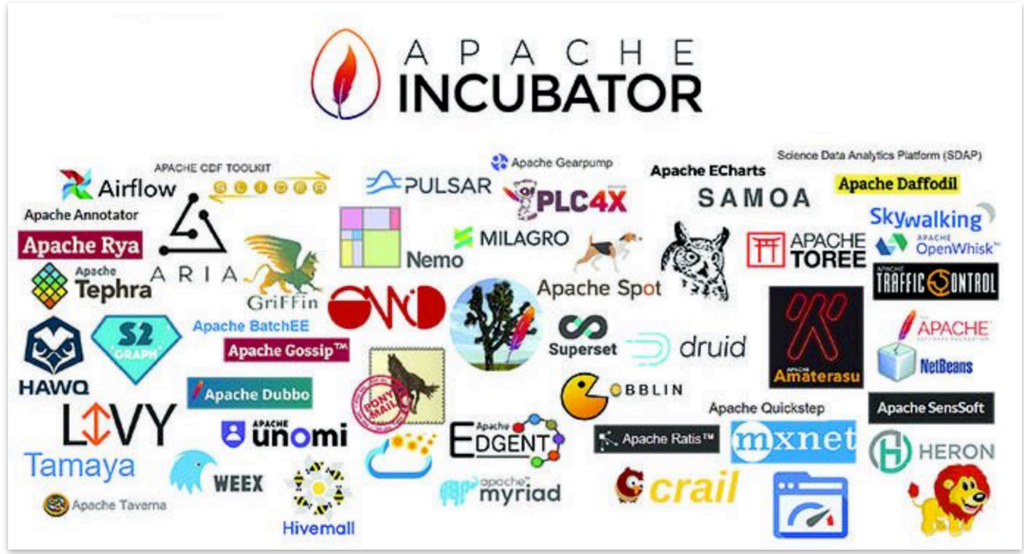


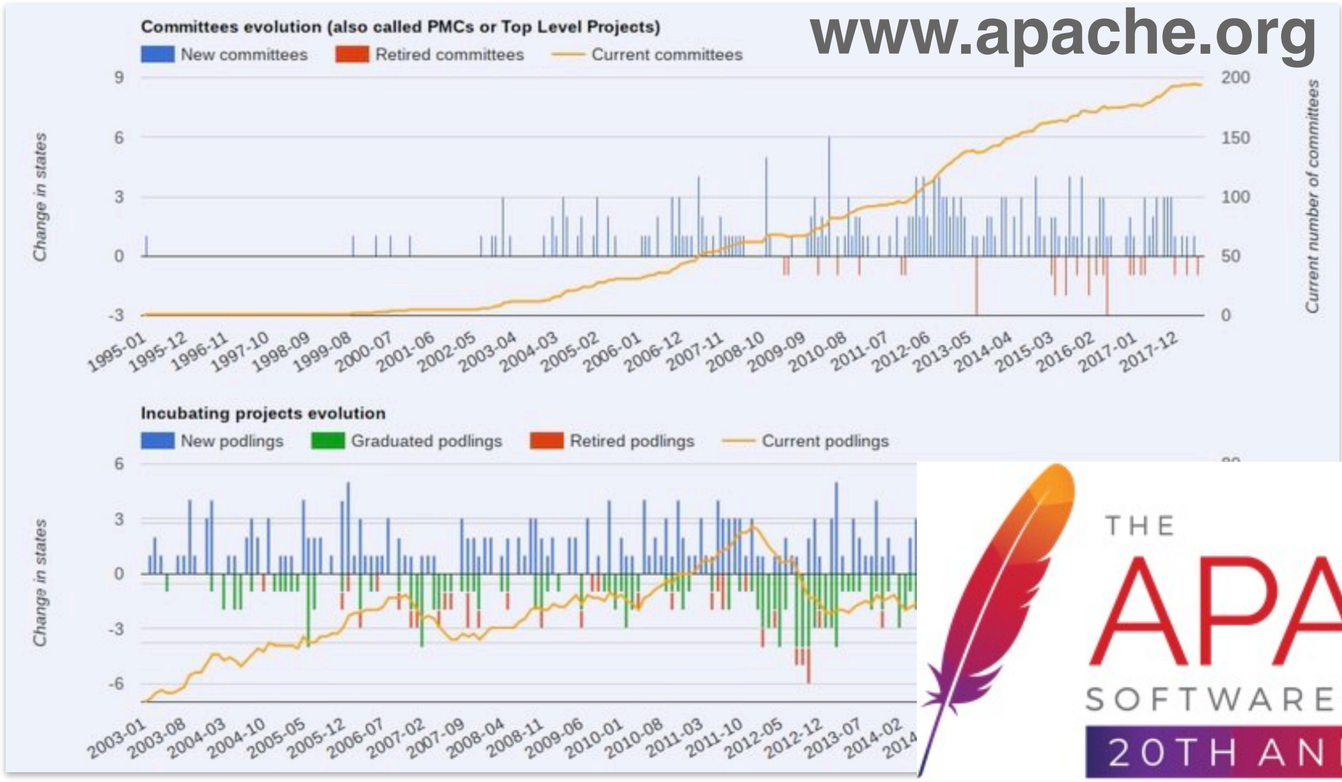
6513 Committers

730 Members

196 PMCs

52 Podlings

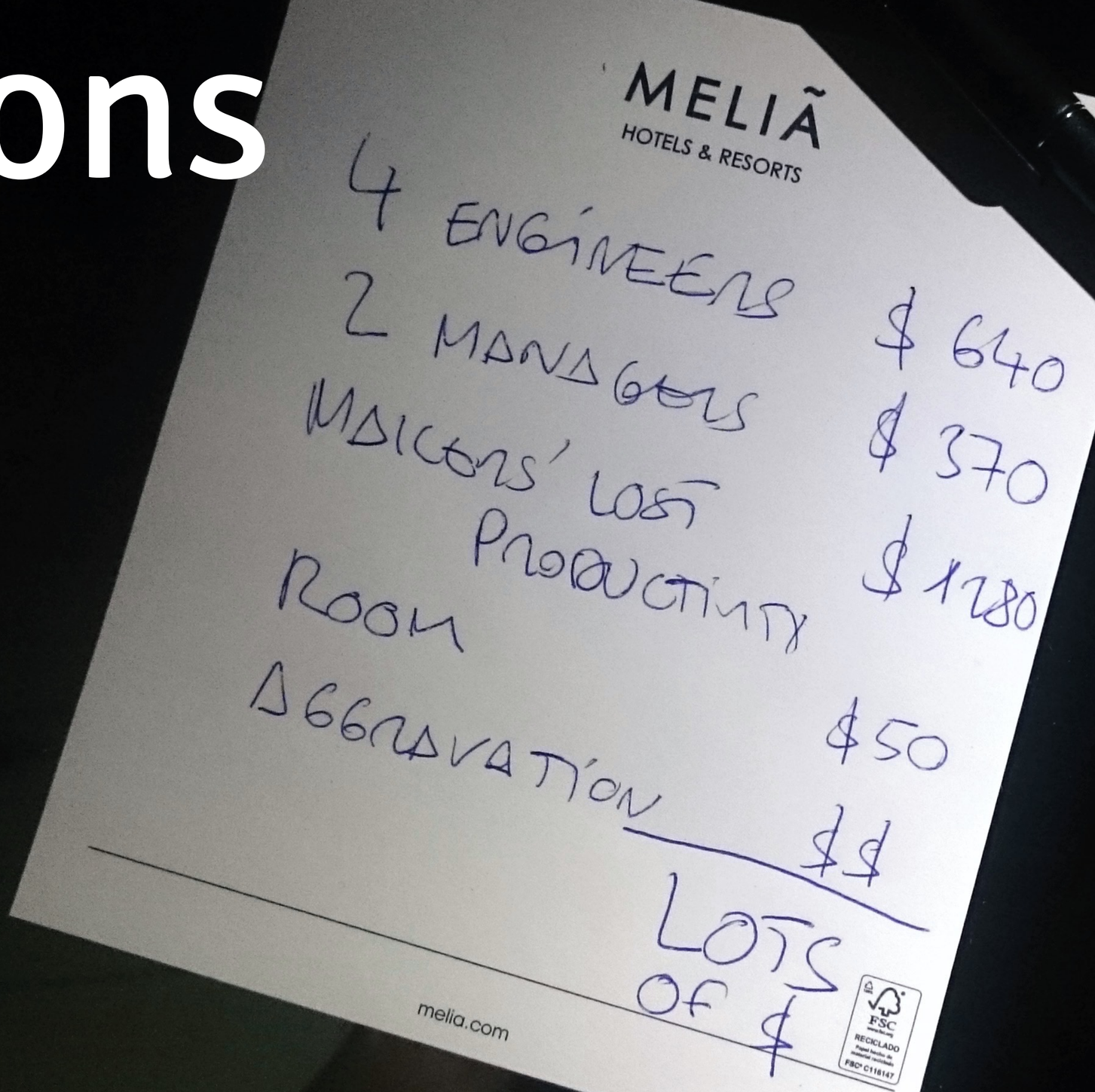




www.apache.org

COMMUNITY
OVER CODE
TM

Les réunions coûtent TRÈS cher…



Dans un **planning d'artisan**,
une réunion d'une heure peut
"détruire" une demi-journée
Crédit: Paul Graham, blog post: https://s.apache.org/ms

ton micro est fermé?
J’ai oublié Marcel
quel est l’objectif?
Marcel a oublié…
j’y connais rien
réunion
ratée?
j’ai pas compris…
j’ai pas préparé…
on décidera la prochaine fois, ok?
mais qui s’en occupe, vraiment?

désorganisé, bruyant?

canal de communication partagé & asynchrone

structuré, chronologique

outil partagé de suivi de cas

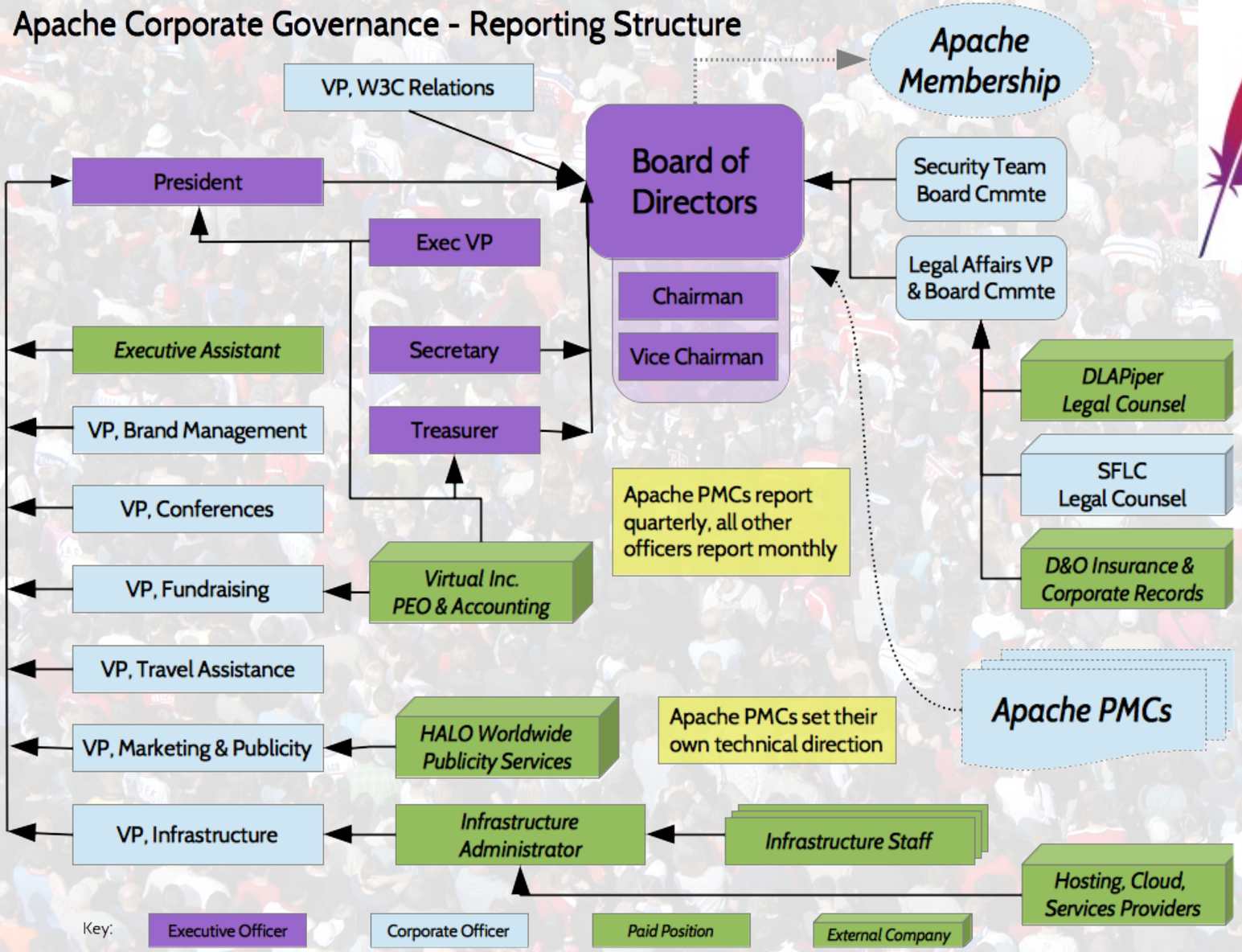
Prise de décisions asynchrone

Devoxx France 2018

video: https://s.apache.org/devoxx-bertrand-2018

COMMUNITY OVER CODE

Apache Corporate Governance - Reporting Structure



THE APACHE® SOFTWARE FOUNDATION 20TH ANNIVERSARY

~300 projets

~zéro réunions

Collaboration à distance, asynchrone

https://www.apache.org/foundation/governance/orgchart

Conseil Fédéral Suisse: réunion hybride

Forte préparation en amont, 80 décisions en 3-4 heures

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

- The agenda is presented in colour-coded form. The orange list contains uncontested items of business, which are usually approved swiftly. The blue list consists of responses to parliamentary requests. The items on the white list are discussed and decided one by one due to their political importance; occasionally, the discussions can be spread over a number of meetings. And the green list contains confidential items of business, which are also discussed in detail.

Source: https://www.admin.ch/gov/en/start/federal-council/tasks/decision-making/federal-council-meeting.html

Les Communautés Open Source font la DIFFÉRENCE

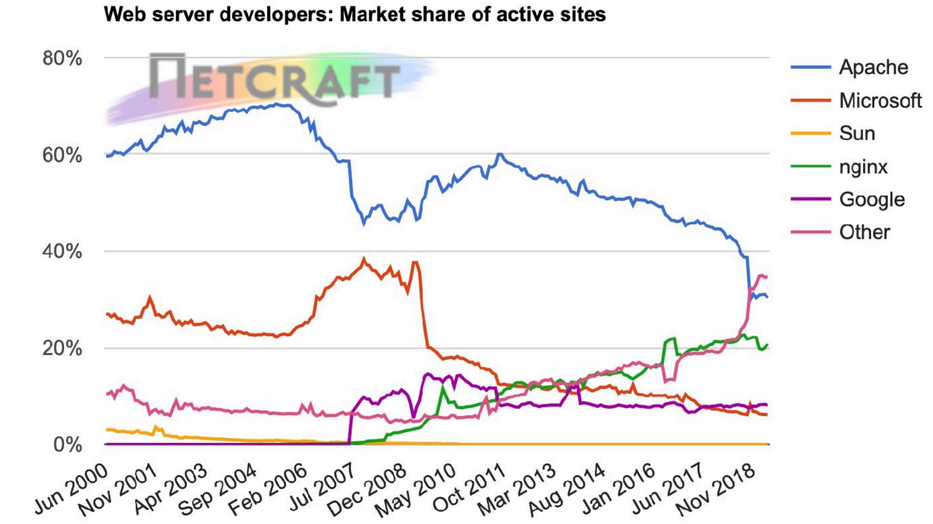
Et le BUSINESS Dans tout ça?

Public servers on the Internet

Source	Date	Unix, Unix-like				Microsoft Windows	References
		All	Linux	FreeBSD	Unknown		
W3Cook	July 2015	98.1%	96.4%	1.7%	0%	1.9%	[206]
W3Techs	Feb 2015	67.8%	35.9%	0.95%	30.9%	32.3%	[207][208]
Security Space	Feb 2014	<79.3%	N/A			>20.7%	[209][210]

Linux: entre **35** et **96%** des serveurs publics

https://en.wikipedia.org/wiki/Usage_share_of_operating_systems



Developer	March 2019	Percent	April 2019	Percent	Change
Apache	56,236,608	31.01%	55,982,911	30.30%	-0.71
nginx	36,268,792	20.00%	38,293,931	20.73%	0.73
Google	14,953,818	8.25%	14,801,433	8.01%	-0.23
Microsoft	11,254,841	6.21%	11,298,492	6.12%	-0.09

Serveurs Web: Apache + nginx = **51%**

https://news.netcraft.com/archives/2019/04/22/april-2019-web-server-survey.html

REUTERS PLUS

Global Hadoop Market 2018 Industry Key Players, Trends, Sales, Supply, Demand, Analysis & Forecast To 2024

Mon Mar 4, 2019 - 11:00am UTC

According to this study, over the next five years the Hadoop market will register a 33.0% CAGR in terms of revenue, the global market size will reach US$ 9400 million by 2024, from US$ 1700 million in 2019. In particular, this report presents the global revenue market share of key companies in Hadoop business, shared in Chapter 3.

APACHE hadoop

Apache Hadoop: un marché de $1'700 millions

https://www.reuters.com/brandfeatures/venture-capital/article?id=87535

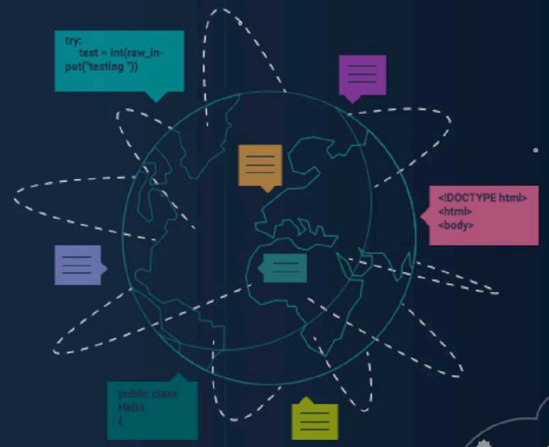
Google Summer of Code

https://summerofcode.withgoogle.com/

14,000+ STUDENTS, 109 COUNTRIES
14 YEARS, 651 OPEN SOURCE ORGANIZATIONS

35,000,000+
LINES OF CODE

Google Summer of Code is a global program focused on bringing more student developers into open source software development. Students work with an open source organization on a 3 month programming project during their break from school.



https://github.com/kubernetes/kubernetes/graphs/contributors

kubernetes / kubernetes

Watch 3.1k | Star 59.6k | Fork 20.9k

Code | Issues 2,277 | Pull requests 1,106 | Actions | Projects 9 | Security | Insights

- Pulse
- **Contributors**
- Community
- Commits
- Code frequency
- Dependency graph
- Network
- Forks

Jun 1, 2014 – Nov 5, 2019

Contributions: Commits

Contributions to master, excluding merge commits

GitHub

Découverte de talents et recrutement...

L'Open Source est

PARTOUT

Les communautés font la

DIFFÉRENCE

Et c'est aussi bon pour le

BUSINESS

L'OPEN SOURCE CHANGE LE MONDE !