Conferência dos 10 anos do Koha em Portugal
18 e 19 de maio
Koha: past, present, future
Who I am
- Paul Poulain, French (Marseille)
- Open source fan since 1997
- Involved in Koha since early 2002
- Former Koha Release Manager[v 2.0, 2.2, 3.8, 3.10]
- Founder of BibLibre, Open Source for libraries
- Paul.poulain@biblibre.com, twitter: paul_poulain
Some kiwis and a y2k bug

- HLT Horowhenua Library Trust, in New Zealand
  - has a system with a y2k bug
  - Need low prices
  - Need to work on a dialup line
  - Easy to use for volunteers

What Koha means?

- Gift, contribution, Maori term

(reference: http://journal.code4lib.org/articles/1638)
Katipo, (a « web company »)

- start working on a full web ILS
- Work start on sep, 99
- Limited functional requirements (no serials, no acq, …)
- Not full web in fact : circ was a vt100 app
- Agile development before Agile methods exists !
- Team leader : Chris Cormack
2000-01: the origin

1st version delivered on time

⇒ HLT goes live with Koha 1.0.0 on 2000, January 2nd
⇒ 1st full-web ILS

Katipo is not a product vendor company

⇒ Releasing Koha as OpenSource
st

1 public release after:

- Some sleep for the developers
- Some bugfixes for the software
- Some work on the web for the rest of the world [www.koha.org](http://www.koha.org)

Website, Project created on SourceForge

New developers:

- Glen Stewart (1 patch not from Katipo)
- Steve Tonnesen (web based circulation)
2001-05: non english newcomers

1 non english developer (& maybe library): Pawel Skuza (Poland)
1 French developer & user: Paul Poulain (in 2002-01) & Dombes Abbey
2002: the expansion

- Koha 1.2 released
- Wiki launched
- Bugzilla launched
- 2 major problems to fix
  - Translating Koha: Move to HTML::Template decided
  - MARC standards: Adding MARC support decided (1st sponsoring outside from HLT - Nelsonville Public Library-)
- 17th committer at the end of the year
2002: the need for a structure

International software,

» hacked « 24/7 », by ppl all around the world. It's time to add some organization!

First elected team

» Kaitiaki: our Guardian: Pat Eyler
» Release Manager: for next version 2.0: Paul Poulain
» Release Maintainer: for current v1.2: Chris Cormack
» QA manager: Ingrid, then no-one
» Doc manager: Nicolas Rosasco
New functionalities like

- MARC support (incl authorities)
- Serials
- Stats
- Advanced OPAC
- Bulkimport
2003-2005 : New team

**Team elected in 2003 :**

- Kaitiaki : Rachel Hamilton
- Release Manager 2.4/3.0 : Joshua Ferraro
- Release Maintainer 2.2 : Paul Poulain
- QA manager : Pierrick Le Gall, then no-one
- Doc manager : Stephen Hedges
The SQL MARC structure is limited, and can't deal efficiently with large size catalogues (+300k items)

- Deciding to move to zebra

First KohaCon in France (KohaCon06)

- 3 days user conference (more than 120 attendees, in Paris)
- 5 days hackfest (15 developers from 4 countries, in Marseille)
2006-2007 : road to 3.0

Changing tools :

Moving from sourceforge/CVS to savannah/CVS then git
Mailing lists on lists.koha.org
French website (www.koha-fr.org)
In 2008-2009, Koha faced a trouble. In a few words:

- In 2007, LibLime bought Katipo Koha activity & domain name
- A company called PTFS does some business in US around Koha. LibLime cries for danger
- Something happens at LibLime and they don't share any more
2008-9: Open Source is stronger

- A lot of LibLime developers resign
- LibLime announces « LibLime Enterprise Koha », hosted only, source-code is not shared, the community no longer has access to Koha.org domain & tools
- PTFS buy LibLime. It's now PTFS/LibLime (early 2010)
2008-9: Open Source is stronger

Open Source is better (for users):

- No-one can « steal » the software. It's a « common good » That's a huge guarantee for libraries/users!
- The software evolution doesn't depend on a single company success or decision!

Consequences of this crisis:

- For users (libraries) : nothing (a delay in releases)
- For developers : we spent a lot of time dealing with those problems. But we have learnt a lot of things.
End of the crisis

- Decision to move to koha-community.org, with all our tools (Jan 2010)
- KohaCon09 in USA (Plano, TX), then KohaCon10 in NZ (Wellington), then India (Pune), UK (Edinburgh), USA (Reno, NV), Argentina (Cordoba), Nigeria (Ibadan), Greece (Thessaloniki), KohaCon17 in Philippines (Manilla)
- ptfs-liblime and community ignore each other
- At least 90 libraries have switched from Koha, support by PTFS to Koha, support by someone else in 2011
2010 and 2011 workflow changes

- Monthly IRC meeting
- Well defined patch workflow
- QA manager position filled!
- Many new contributors

It's time for a new start:

- the team is highly motivated,
- there are exciting things to do,
- there are more and more users that uses Koha
Koha 3.4 was the 1st “time based release” (april 2011, Chris RM)

- Normarc support
- Fast add biblio
- Switch from H::T::P to T::T for template (presentation)
- Item removed from bibliographic MARC record

Koha 3.6 (oct 2011, Chris RM)

- Easier analytics record
- 365 bugfixes & improvement from 3.4
Koha 3.8 (April 2012, Paul RM)

- Hourly loans
- Firefox offline circulation module (KOCT)
- New staff interface
- 130 enhancements (+ fixes)
- 71 different developers
Koha 3.10 (nov 2012, Paul RM)

- Plack (1 steps)
- Responsive design OPAC
- 160 enhancements & new features, 433 fixes (since 3.8.0)
- Enhancement description document is 43 pages
Koha 3.12 (May 2013, Jared RM)
- Patron self-registration
- Link between subscription & acquisition
- Branch-limited authorized values

Koha 3.14 (Nov 2013, Galen RM)
- Course Reserves
- Bootstrap theme for OPAC
- New offline circulation module
2013 Trademark decision

IPONZ decision

- Liblime/PTFS trademark application rejected
- Costs awarded to Te Horowhenua Trust and Catalyst
- Trademark awarded to Te Horowhenua Trust
Koha 3.16 (May 2014, Galen RM)
- Different templates for notice types
- Experimental Plack support for OPAC

Koha 3.18 (Nov 2014, Tomás RM)
- Indexing in GRS deprecated in favor of DOM
- OPAC fully responsive
- Shibboleth
- Rotating collections & on-site checkouts
Koha 3.20 (May 2015, Tomás RM)
- Discharge management
- Batch modification for biblios
- On the fly conversion of biblio during import

Koha 3.22 (Nov 2015, Tomás RM)
- Plack out-of-the-box
- Webservices (Restul API)
- Digital library: attaching files to records
- Sitemap for search engines indexing
- Batch checkout
No version 3.24 !!!
Numbering change: introducing 16.05

- Year-Month schema
- Solve the question “when do we update the 1\textsuperscript{st} digit”
  (Koha 3.22 is not like 3.0 !!!)
Koha 16.05 and 16.11 (Brendan & Kyle RM)

- Plumbing (a lot, 120+)
- Features
  - EDIFACT for acquisition
  - OpenID login
  - Automatic item modification by age
  - Pay fine via paypal
  - Elastic Search
  - Multiple reservation
  - Housebound
Koha 17.05 (Kyle and Brendan RM)

- Release in the next days…
- Plumbing (x00+), Elastic Search, Performance
- 205 enhancements, 253 bugfixes
- New feature
  - Article request
Some numbers

- Developers
- Bugzilla(x100)
- Commits(x100)
Some numbers

Koha in 2017

- The most used ILS in the world
- Probably 20,000 libraries using it around the world
  - 1000+ public libraries in Argentina
  - 1000+ public libraries in Turkey
  - 7 national libraries
- Almost 100 different contributors every year
- Some major support Companies
  - BibLibre (France), ByWaterSolutions (USA), Catalyst (NZ), PTFS-Europe (UK), Theke (Argentina)
- 1 developer full-time (Jonathan Druart), funded by BibLibre/ByWaterSolutions/PTFS-Europe
We need you !!!

Koha is a community where everyone can should do something

- Many things possible even if you’re not a developer (translating, documenting, testing patches, cleaning the wiki, submitting bugs, ...)
- Regular events: KohaCon and hackfest in Marseille (2:20 hours direct flight from Lisbon with TAP)
- Give back. Every penny help build the house
Let’s talk about Koha future now

First of all:

⇒ This is my opinion, feeling, I’m trying to convince the rest of the Koha community, you may disagree
⇒ The future of Koha ... is not Koha
⇒ The future of Koha is not Koha, but we will build it over Koha. Let me explain
Public libraries
- Physical material
- Digital collections (local history: pictures, paintings, maps, digitised oldies)
- Public interface (OPAC, portal)
- Ebook lending

Academic libraries
- Physical material
- Electronic subscriptions / serials
- Local digital collections (thesis, historical collection)
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What do we do for other features? We have 2 options:

- Add those features to Koha
- Find an Open Source software doing that
Write it:

⇒ A big job, for sure
⇒ We wrote an ILS, we are fool enough to write an ERM, a discovery, a portal!

Find it:

⇒ The Unix philosophy: a tool do one thing, he do it greatly and efficiently
⇒ Is there something already?
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Software tools:

- Koha
- Omeka & Dspace
- Coral
- Drupal & Bokeh
- EDS
A collection of separate tools. We must “glue” them
How to glue them

- They all are web-based applications
- Use standards (OAI-PMH, Restful, ...)
- Use webservices

It’s a big effort

- Each tool must remain independent
- Convince both communities
- Be involved in both communities
- Find the best technical way
- Code, test, validate, integrate
A little bit more...

Data sharing

- Libraries have common data. For example, cataloguing informations. But also:
  - Serials informations
  - Reports & stats
  - Specific tuning, setup & hints
Introducing Mana-kb

- A project launched by BibLibre
- [https://mana-kb.koha-community.org/](https://mana-kb.koha-community.org/) (nothing to see for now)
- World-wide knowledge base to build world-wide resources useful for libraries.
- Already available:
  - (printed) serials pattern
  - SQL reports
  - Reading pairs ("reader who read this also read that")
Available in the future:

- XSLT & some other Koha parameters interesting to share (like cataloguing frameworks)
- E-resource files (kbart, ONIX)
- ...
Final goal

2018, the future

Open Source Library Platform (Reminder: find a name)

Koha

Omeka

Coral

Drupal

EDS

Mana-KB
Abrigado!