Svenska Kohanätverkets sjätte användarmöte i Luleå

17-19 oktober 2018
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
About BibLibre

➔ 18 persons
➔ Dedicated to Open Source and libraries
➔ Selecting, contributing, supporting:
  ➔ Koha
  ➔ Omeka
  ➔ Bokeh
  ➔ Coral
  ➔ Matomo (formerly piwik)
  ➔ Urungi

➔ 150+ customers, 80% in France, 20% in European countries (Greece, Sweden, Belgium, Netherlands, Denmark, Spain, Italy, Switzerland)
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
1999-09: the origin

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
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
1st 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 Website, Project created on SourceForge

New developers:

- Glen Stewart (1st patch not from Katipo)
- Steve Tonnesen (web based circulation)
1st non English developer (& maybe library) : Pawel Skuza (Poland)

1st 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 (2.0) : Paul Poulain
- Release Maintainer (v1.2) : Chris Cormack
- QA manager : Ingrid, then no-one
- Doc manager : Nicolas Rosasco
2003-2005: strengthening

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
2006-2007 : road to 3.0

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)
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)
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) none (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)
- ptfs-liblime can be considered as a dead project (last change in may 2016)
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 (October 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 (1st 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
<table>
<thead>
<tr>
<th>Version</th>
<th>Features</th>
</tr>
</thead>
</table>
| 2015: version 3.20 and 3.22 | - Discharge management  
- Batch modification for bibios  
- On the fly conversion of biblio during import |
| Koha 3.20 (May 2015, Tomás RM) | - Plack out-of-the-box  
- Webservices (Restul API)  
- Digital library: attaching files to records  
- Sitemap for search engines indexing  
- Batch checkout |

Koha 3.22 (Nov 2015, Tomás RM)
No version 3.24 !!!

Numbering change: introducing 16.05

➔ Year-Month schema
➔ Solve the question “when do we update the 1st 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 and 17.11 (Kyle and Brendan RM)

- Plumbing (x00+), Elastic Search, Performance
- 205 enhancements, 253 bugfixes
- New feature
  - Article request

Koha 18.05

- 12 new features (and a lot of internal changes)
- 257 enhancements and 360 bugfixes
Some numbers

Koha in 2018

➔ The most used ILS in the world
➔ Probably 20k libraries using Koha
  ➔ 1000+ public libraries in Argentina
  ➔ 1000+ public libraries in Turkey
  ➔ 7 national libraries
➔ Almost 100 different contributors every year
➔ Major support companies, major contributors
  ➔ BibLibre (France), ByWaterSolutions (USA), Catalyst (NZ), PTFS-Europe (UK), Theke (Argentina)
➔ 1 developer full-time (Jonathan Druart), funded by BibLibre/ByWaterSolutions/PTFS-Europe
Some numbers

Developers

Bugzilla(x100)

Commits(x100)
Koha is a community where *everyone* 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 (SAS about to open a direct flight Stockholm <> Marseille)
- Give back. Every penny help build the house
2018, the future...

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
2018, the future

**Public libraries**
- Physical material
- Digital collections (local history: pictures, paintings, maps, digitised oldies)
- Public interface (OPAC, portal)
- Ebook lending

**Academic libr.**
- Physical material
- Electronic subscriptions/serials
- Local digital collections (thesis, historical collection)
- Ebook lending
- Public interface (OPAC, discovery, portal)
2018, the future

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  (OPAC, discovery, portal)
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, greatly and efficiently
➔ Is there something already?
2018, the future

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Koha
Omeka & Dspace
Drupal & Bokeh
Coral
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
2018, the future

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/

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)

Hopefully available in Koha 18.11
Available in the future:

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

- Koha
- Coral
- Omeka
- Drupal
- EDS
- Mana-KB

2018, the future
Thank you