

IS GOOD TO BE OPEN?

It is not good is the only way

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Main characters



Biggest university in Spain.
220.000 students, 8.000 teachers
Public
Distance learning



Private foundation
UNED, Telefónica, Santander (Bank), ...
Private
Distance learning innovation



Strategic consulting, technology and legal firm
No former experience with MOOC
Private
Only innovative trends

What have I done to deserve this?

July. 2012

**Do you have something planned for your summer?
Do you have former experience developing a MOOC platform?
Do you know which are the blocks of a MOOC?
Is there open source code that could fit this needs?
What will be the topic of the two courses?
What license could meet all the expectations?
Who is going to pay the streaming?**

Sept. 2012

**Very first version [http:// unedcoma.es](http://unedcoma.es)
2 courses (Open data and e-commerce)**



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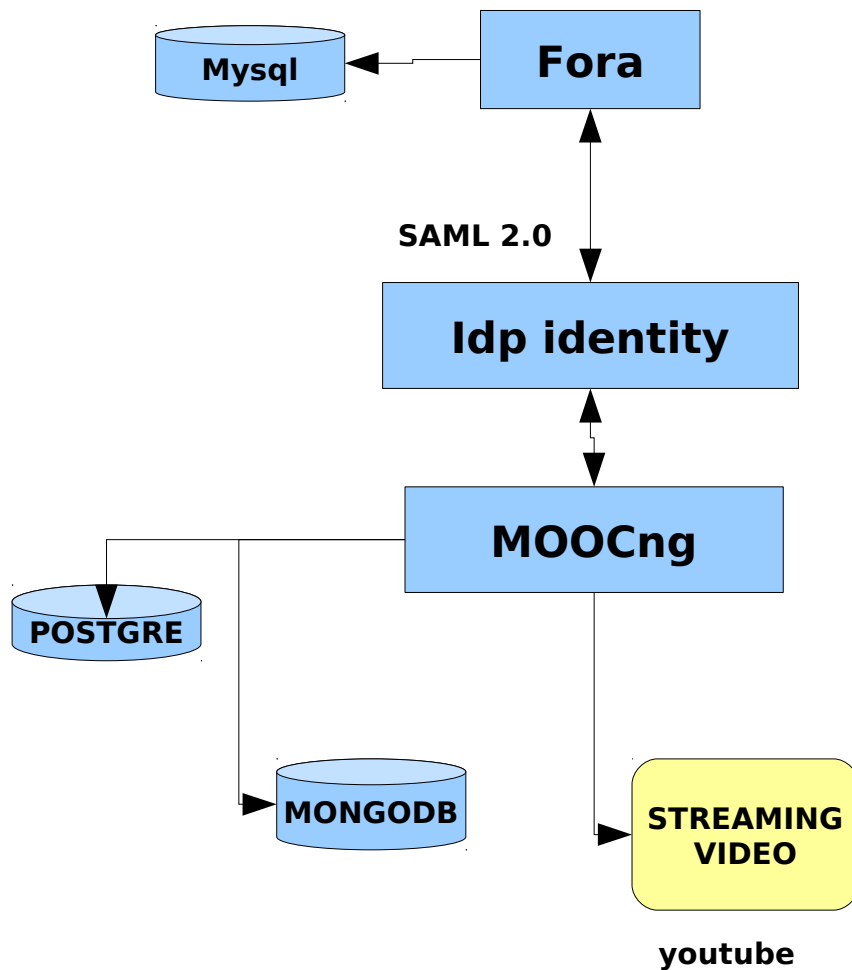
**It was possible!!
Fully open source.
Name: Openmooc**

-

**Do you have an interface for the teachers?
Official launch?**

The very first version

- IDP
 - Users stored in LDAP
 - Single Sign On based on Simplesamlphp v1.8
 - php + nginx 1.0.15
- MOOCng
 - Python + django 1.4
 - DDBB mongodb 2.2.3 logs storage
 - PostgreSQL 8.4 stores courses and + answers to course's questions
 - API tastypie 0.9.11
 - Frontend bootstrap
 - Ngnix 1.0.15
- Fora
 - Based on Askbot (identity)
 - Python contra django 1.3
 - BBDD mysql 5.1



Is good to be open? (I)

Impossible to have a first version without:

- django
- askbot
- samlphp
- nginx
-

Community in google groups (**not open**)

<https://groups.google.com/forum/#!forum/openmooc>

Twitter (**not open**)

@openmooc

Main blog of community

<http://openmooc.org>

Github

<https://github.com/OpenMOOC>

'Fork'

Potential business behind MOOC

- Launch Wemooc
- Based on Liferay
- Released later basic wemooc
- Several modules needed but not open (for the moment)

English (United Kingdom) Sign In

wemooc

Courses Schools

Aplicación Open Source
para creación y gestión
de cursos Mooc



<http://rednunx.org>



<http://miriadax.net>

miriada 

Contents?

Oct. 2012

**You have a MOOC platform with two courses. And now what?
Who is going to teach teachers on how to create a MOOC?
Do you really think to involve teachers with such interface?
Is there anything uglier than the frontpage of COMA?
Why do you think a teacher is going to collaborate in a MOOC?
Facilitator and curator roles?
Scalability for questions?
Support area for participants' doubts ?
Do you have a demo environment for testing?**

End 2012

**New interface for teachers
19 new courses (From arts to electronics circuit and languages)**

+

**National unemployment services
push us
Easy to involve if simple interface**

-

**You do not have a recruiting policy
Questions can break your platform
Very basic tool**

Is good to be open? (II)

Impossible to have a first version without: (Again)

- django
- askbot
- samlphp
- nginx
-

Open Licensing make easier to create a demo environment

Open licensing of contents make possible to create some of them

Features?

Jan. 2013

I want to contact with students. How?
Do you know what is a P2R question?
Have you enough development capacity for this?
Storing documents could be a mess. No.
Monitoring is important.
Statistics for 100.000 students. It does not work!!
Migration of courses' contents.
I want a badge.
Why don't we use this for.... and a wiki.

March 2013

Restructuring logs
Demo environment
P2R option
Simple badges

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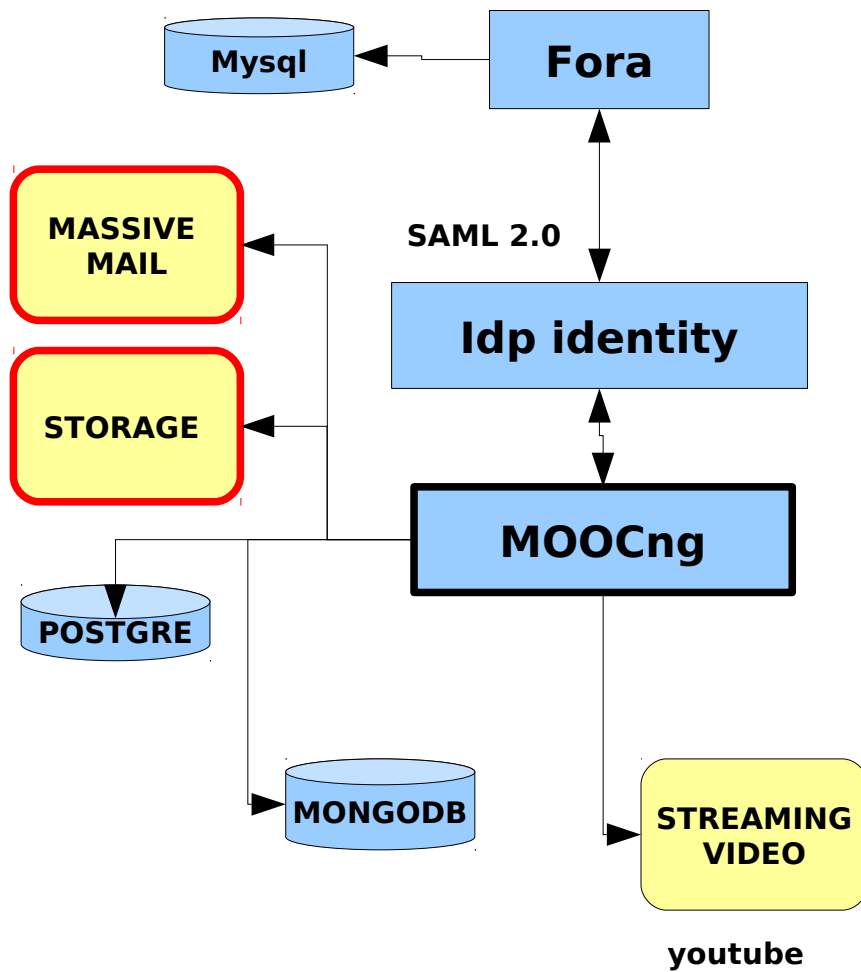
Openmooc is very international brand
Benchmarking others make you better
Collaboration between open source
developers

-

Not forecasting potential demand
Demand for questions is infinite
Organizing support
Teachers can be atechnological

Extension

- Massive mail
 - Currently sendgrid (300.000 / month)
- Storage
 - Currently S3



Is good to be open? (II)

Impossible without code for connecting with open services

- Amazon
- Sendgrid

Impossible without former experience of open source coders to collaborate

Current

March. 2013

I want to connect external educational resources. How?
I want to earn money with this. How?
Your badging is very basic, isn't it?
Video is good but I want to make a simple question.
Youtube is good but what about others?, or just text.
I need a new instance very quick
Is there formulae for technical questions?
Legal concerns. Privacy

Now

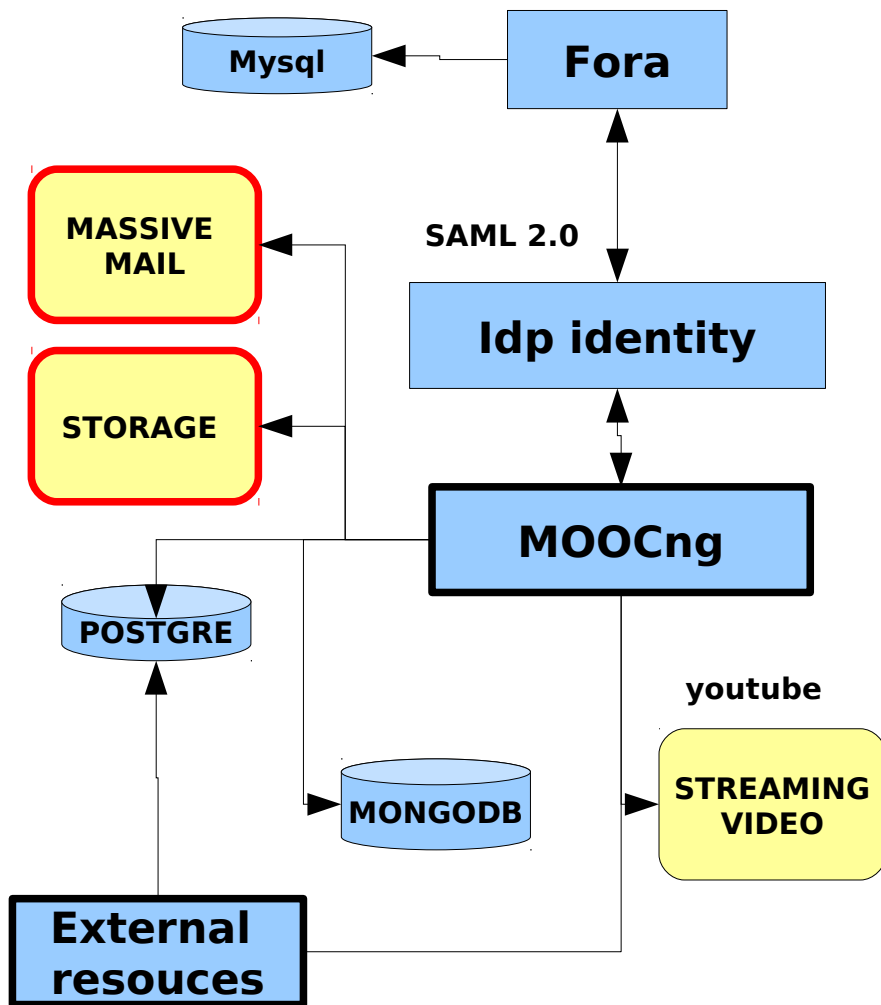
Connection with certification
External resources manager
New questions' format
Image for virtual machine



Certification is a success
Image for a virtual machine

Antivirus for users' contents
Installation is tough

Extension



- External resources manager
 - Own development python
- Certification
 - Very specific for UNED

Is good to be open? (III)

Future

June. 2013

I want to make complex questions
I want to install the platform with a wizard
Wiki please!!
Is it necessary to be so ugly?
My own streaming
Easy new instance of the same course. Reuse of contents
Can I preview courses
Workflow for creating a course
Scripts for assessing questions
Cross-selling
Social network

.....

Sept. 2013

Everything done!!

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Very interesting features
Impulse to community

-

Exploitation could interfere
development
Demand can break any plan

Conclusion

This kind of project cannot be done without

- An open source stack of technologies
- An open approach to development
- an open licensing of contents

Results

- Currently more than 120.000 students involved
- Earning a bit of money

Check it out at <http://openmooc.org>

More questions please!!

Router

Digital
Contents
& Media
Strate-
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Innova-
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New
Technolo-
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Router

Digital
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