State of Open edX 2016

Joel Barciauskas, Engineering Manager, Open edX Mark Haseltine, CTO Eddie Fagin, Chief Architect Marco Morales, Product Manager, Teaching & Learning



Joel Barciauskas

Engineering Manager, Open edX

joel@edx.org twitter @jbarciauskas

Anant & Jono

Thanks to today's speakers

Thanks Stanford team

Lunch sponsors



OpenCraft_



ExtensionEngine

Premier sponsors



Demo tables

Bishop Foyer

Breakfast, lunch, afternoon break

Other sponsors

Contributing sponsor



Abstract Technologies

Friends of Open edX

MURP Science and Technology Company
Perpetual Learning
eduStack

Social media and Slack

Twitter

Conference hashtag: #OpenedX2016

Slack chat - Join @ bit.ly/openedx-slack

- Conference Slack room is #openedx2016
- Subrooms: **#openedx2016-*** (-dinner, -aws, -analytics, etc)
- Hackathon Slack rooms: #hackathon and #hack-*

Birds of a Feather

Organize a conversation around a topic of interest to you!

Where: Lathrop second floor (290, 292, 294, 299)

When: Lunch, afternoon break, and Wednesday morning breakfast

There's a link to discover sessions and create your own in the online schedule at con.openedx.org/sched

Sessions previously in Lathrop 190 are now in Lathrop 282

Check con.openedx.org/sched

Mark Haseltine

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We are dedicated to being **Open**

Improvement through Diverse Inputs

Open Communication & Feedback

- JIRA Issues
- Confluence Wiki
- Architecture Process
- Slack Chat

We're always looking for ways to improve

Please continue to share your feedback!

Open edX Platform Goal

To be **THE standard for scalable delivery of educational content**In order to...

- Foster education efforts worldwide
- Allow a broad array of organizations to participate
- Relieve burden of platform development on content providers
- Promote interoperability of courseware
- Encourage reuse of proven course models

We are just getting started!

We are seeing...

World-wide accelerating adoption of the platform

A wider variety of organizations showing interest

Ever larger scale problems being solved

Together we are only scratching the surface of our potential impact

Investing in the future

edX engineering team has **grown by almost 50%** in the past year Strategic **investments in our architecture** driven by our new CA Group-wide focus on **modularity/extensibility** in all projects Exploring sustainable ways to **support a growing community**

How should we invest in broadening the reach of Open edX?

Joel Barciauskas

Engineering Manager, Open edX

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Quick history

September 2011

Design of the platform started

February 2012

The First On-Campus SPOC

March 2012

The First MOOC

January 2013

20 MOOCs, 500k learners on edX.org

June 2013

edX releases the Open edX platform

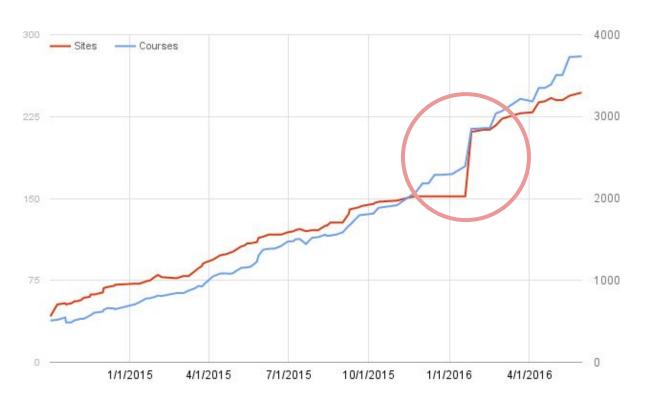
October 2014

2.3m learners on edX.org40 Open edX sites500 Open edX courses

September 2015

5m learners on edX.org 140 Open edX sites 1800 Open edX courses

The past year and a half



Today

250+ 3700+

Sites

Courses



105% increase since October 2015

Открытое образование



Stanford ONLINE

TEACH FORINDIA















UCATx









































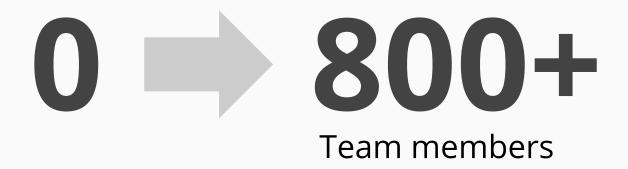




$8m_{edx.org\ learners}$ $>5.5m_{open\ edX\ learners}$

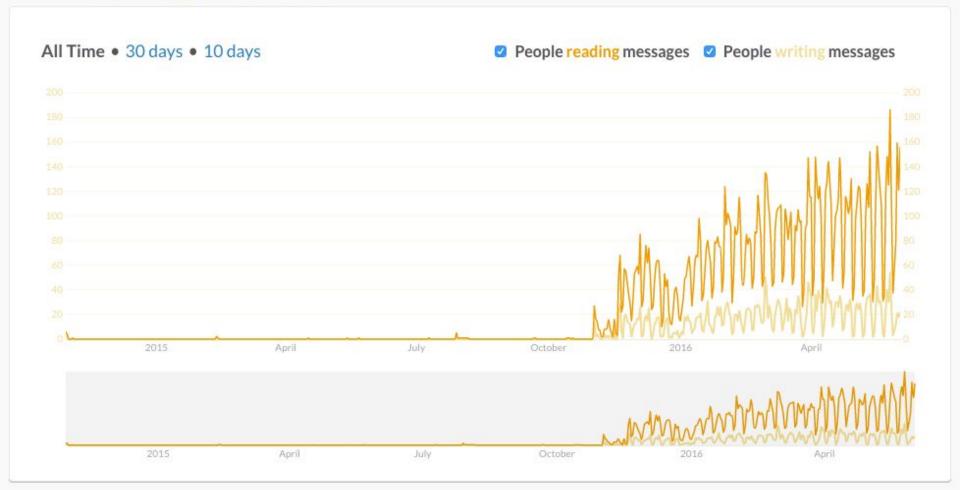
More than **13.5 million** learners on the Open edX platform

Slack team growth



In just 7 months!

People Reading & Writing



```
#architecture
    #dev
 #front-end
    #ops
#performance
```

. .

Eddie Fagin

Chief Architect

eddie@edx.org twitter @edwardfagin

People and process updates

- Join us on Slack! #architecture
- New Jira project (ARCH), updated Confluence space (AC)
- Preview: Open edX Proposal (OEP) framework
- Architecture team at edX

State of Open edX Architecture: Mission

Autonomy

remove barriers to consistent, high-quality, decision making

Context

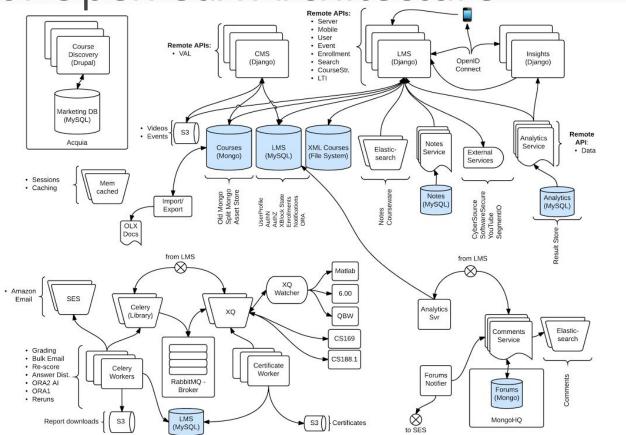
communicate, and evangelize a clear vision to all stakeholders

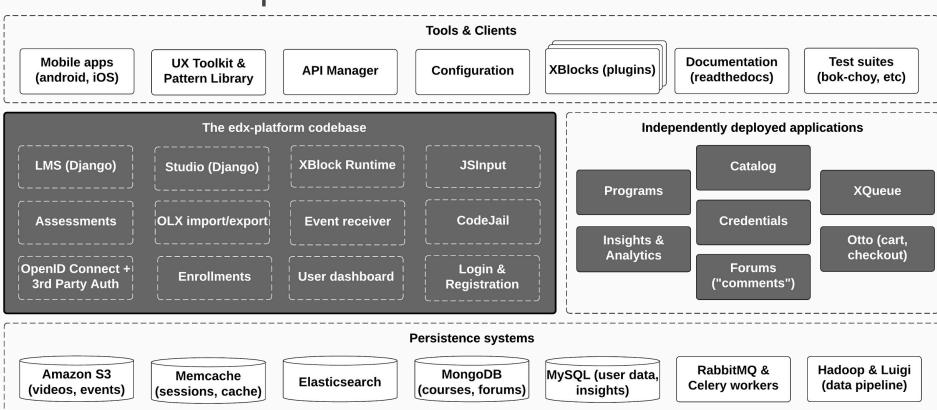
Efficiency

reduce "time to value" and operating costs

Design

improve performance, availability, accessibility, and security





Upcoming themes

- Reduce complexity of edx-platform codebase
- Focus on extensibility and interoperability

Notable technology updates

- Comprehensive theming, pattern library, and UI toolkit
- New autonomous services: Programs, Credentials, Catalog

Marco Morales

Product: Teaching & Learning

marco@edx.org twitter @marcotuts

Dogwood

Released February '16

Django 1.8, Otto, Mobile 2.0...

Dogwood: Platform & Commerce

Video Data in Insights

Comprehensive Theming

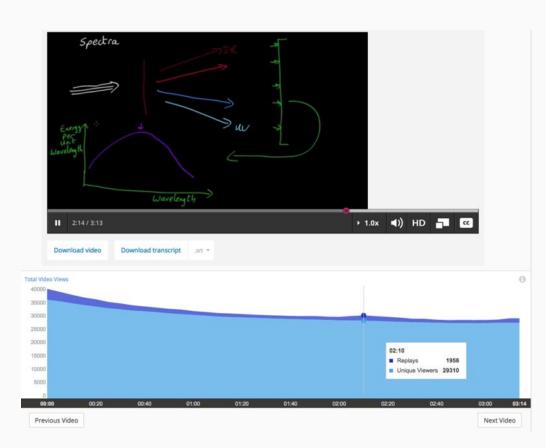
Improved Certificate Generation

LTI XBlock

Django 1.8

Pattern Library & UI Toolkit

New Otto Commerce System (shoppingcart is officially deprecated)



Dogwood: Teaching & Learning

Mobile Application

Mobile Assessments & Video

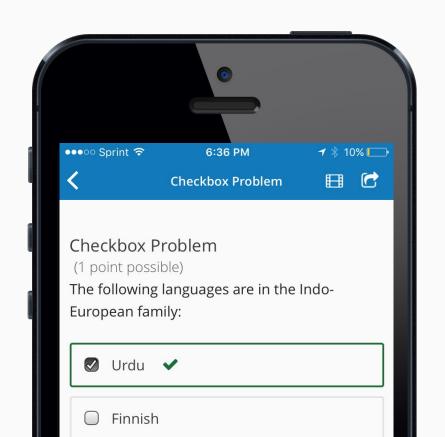
Mobile Course Outline

Open Response File Uploads

Timed Exams

Partial Credit Problems

Course Preview As (Specific) Student



Eucalyptus

Scheduled for July

Programs, Mobile, Course Navigation...

Eucalyptus: Platform & Commerce

Course Catalog (Service)

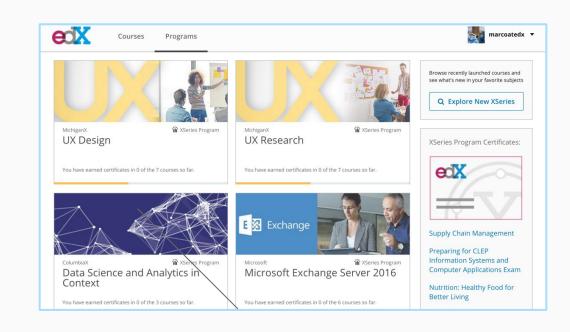
Programs (Service)

Credentials (Service)

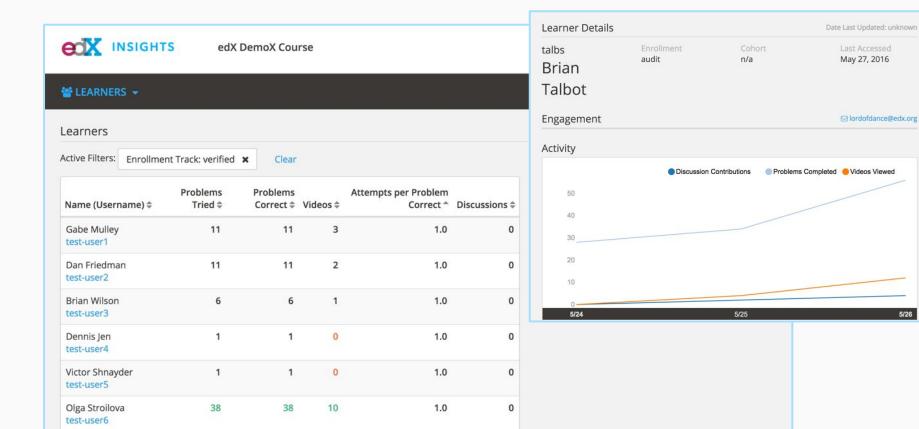
Account Settings

Multi-Site Theming Support

Coupon Codes



Eucalyptus: Per-Learner Insights



Eucalyptus: Teaching & Learning

Course Home & Navigation

Bookmarks

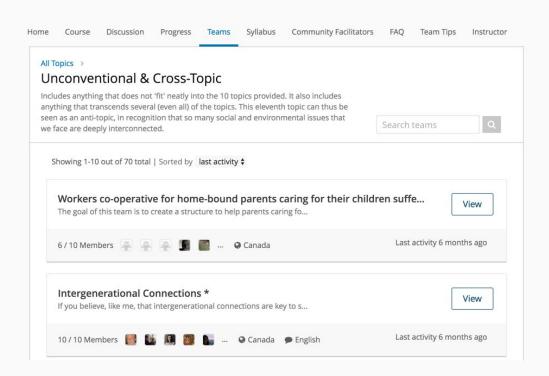
Teams

Student Notes

Video Closed Captions

Open Response Staff Grading

Course Pacing: Self-Paced



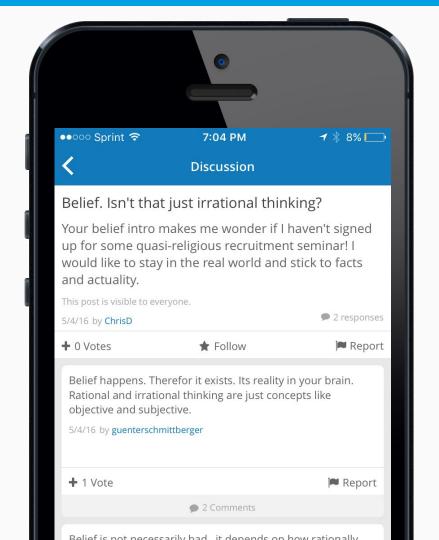
Eucalyptus: Mobile

Learner Profiles

Discussion Forums

Native Course Discovery

Push Notifications



Beyond Eucalyptus

a 2-4 Month Outlook ...

Order History, Time Zone, Discussions, Course Navigation...

Beyond Eucalyptus: Platform & Commerce

Order History for Students

Bulk Program Purchasing

Program Direct Enrollment

Payment Provider Integration Points

Beyond Eucalyptus: Teaching & Learning

Full Width Course Content & Outline (expanding the 'learning hole')

Discussion Forum Improvements

Assignment Dates based on Learner Time Zone

Grading Improvements

Visual In-Context Course Progress

What's Next: Open edX Community

Open edX releases

Redesign Open edX Portal (open.edx.org)

Clear and transparent product roadmaps

Working groups

Tell us how we can make you successful - come talk to us!

Thanks & have fun!