

indico



The Big Migration

Three years of development

Pedro Ferreira
Indico Workshop 2.0, CERN, October 2017

A long time ago...



[IMP] initialized room booking schema



Ferhat Elmas committed with pferreir on Oct 23, 2013



f9b9db4

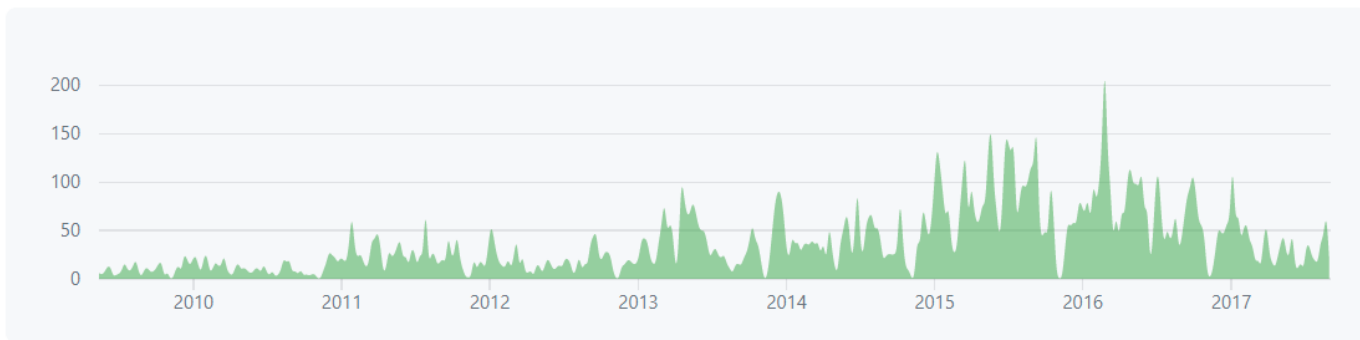


Since then...

~10,000 individual commits

6167 changed files

> 800 Pull Requests



11 Releases

1.9.0 – 08/2014

1.9.1 – 03/2015

1.9.2 – 05/2015

1.9.3 – 06/2015

1.9.4 – 07/2015

1.9.5 – 09/2015

1.9.6 – 10/2015

1.9.7 – 05/2016

1.9.8 – 08/2016

1.9.9 – 12/2016

1.9.10 – 04/2017

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1.9.6 – 10/2015

1.9.7 – 05/2016

1.9.8 – 08/2016

1.9.9 – 12/2016

1.9.10 – 04/2017

The Process

Study the module

Mock up new interfaces

Draft the DB schema

Split work

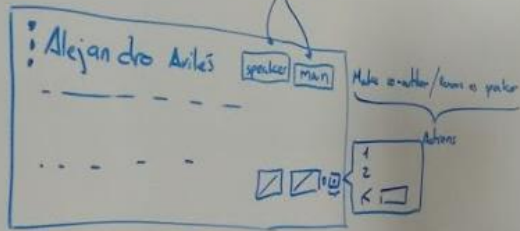
Sprint (starting w/ pair programming)

Test

Release

Deploy (“migration”)

People



Add existing Add new

default:
 - Author
 - Co-Author
 - Speaker

	Co-author	Speaker
		✓
	✓	
	✓	✓
		✓



Magic!

People




Authors


There are no authors

Co-authors

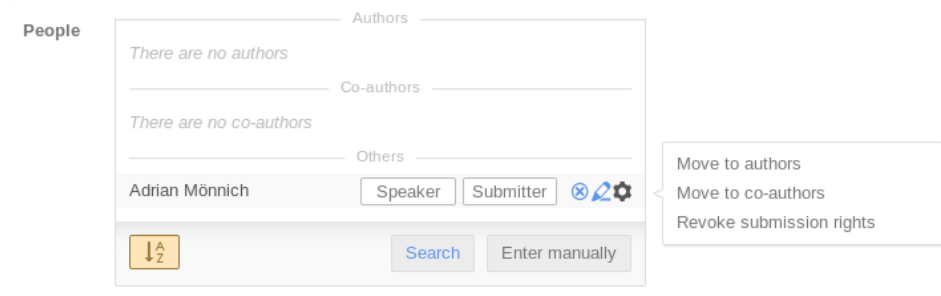
There are no co-authors

Others

Adrian Mönnich   



Move to authors
Move to co-authors
Revoke submission rights



Location

CEW

513-1-008

Use default

Using location from server
Using selected location

Form with fields:
- name Location
- First name
- last name

Location widget.

- Location
- Room
- Inheritance

Location | Room

Default

Using location from ...

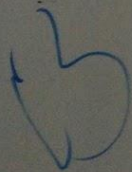
Form with a checked checkbox and an 'X' mark

Location:

Default Change

Form with two dropdown menus

- * Available option in Room depend on Location
- * Checking Inheritance disables the other fields
- * Location and Room can be custom
- *

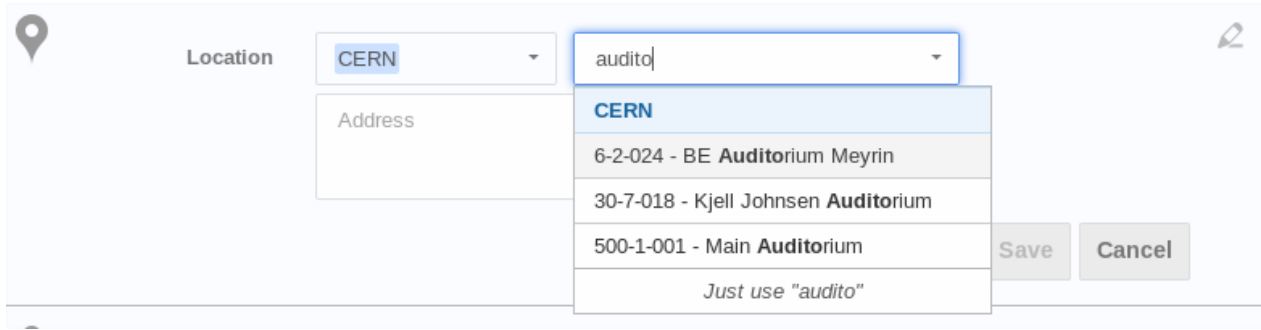


Form with fields:
- name Location
- First name
- last name
- Location: CEW
- Room: 513-1-008

Form with a radio button and text:
- Use default location:
- Location: CEW | 513-1-008
- Use a different one

Form with a radio button and text:
- Select a location:
- Location: CEW | No room
- Use default location

Magic!



The screenshot shows a user interface for selecting a location. On the left, there is a location pin icon and a label "Location". Below it is a dropdown menu currently showing "CERN". To the right of this is another dropdown menu containing the text "audito". A search results list is displayed below the "audito" dropdown, with the following items:

- CERN
- 6-2-024 - BE Auditorium Meyrin
- 30-7-018 - Kjell Johnsen Auditorium
- 500-1-001 - Main Auditorium
- Just use "audito"*

At the bottom right of the interface, there are two buttons: "Save" and "Cancel".

Mock-ups

Abstracts List of Abstracts

Navigation bar:

- Customize list
- + New abstract
- Remove
- Actions ▾
 - Accept
 - Reject
 - Merge
- Author list
- @ Download attachments
- Export ▾
 - PDF
 - CSV
 - XLSX
 - XML?
- ↔

or Material package

Search bar:

- ☰/x
- 🔗
- 🔍 Enter #id or search string

x out of x displayed

Should also search the pr. author name

Abstract list configuration

Customize abstract list
Change the configuration of the abstract list by enabling/disabling the columns listed below, or by applying the filtering (▾) options.

General abstract info

- ID
- Primary author
- ▾ Track
- ▾ Proposed track
- ▾ Type
- ▾ Proposed type
- ▾ Status
- Rating
- Submission date
- Modification date
- ▾ Multiple tracks (bool)
- ▾ With comments (bool)

Abstract fields

Apply Cancel

Call for Papers

My first paper #44

- BONUS -
Export ?
Withdraw

Under review David Andreu submitted the paper for
For contribution: My first paper

Last revision
file

PDF	paper.pdf 450KB (go to revision)	Other files
	<i>scrolls to last revision</i>	<input type="checkbox"/> paper.tex <input type="checkbox"/> copyright.doc (?)

D David Andreu submitted a paper submission - 28 Nov 2016 Show outdated

A Adrian Männich left a review - 29 Nov 2016 Show outdated

Proposed to ~~accept~~ ^{reject} - score 6.3 (show ratings)

The layout contains the following problems:

- [page 1] Figure is not aligned
- ...

Green box
Yellow box
Red box

P Pedro Ferreira requested changes - 30 Nov 2016 Hide outdated

Please we found some problems with your paper ...

D David Andreu submitted a paper revision - 1 Dec 2016 Show outdated

Show outdated reviews } collapse also outdated reviews

P Pedro requested changes ... Show outdated

D David Andreu submitted a paper revision - 2 Dec 2016

Paper files (download all)

- paper.pdf
- paper.tex
- copyright

Additional information

...

Allow additional information in the "Abstract fields"

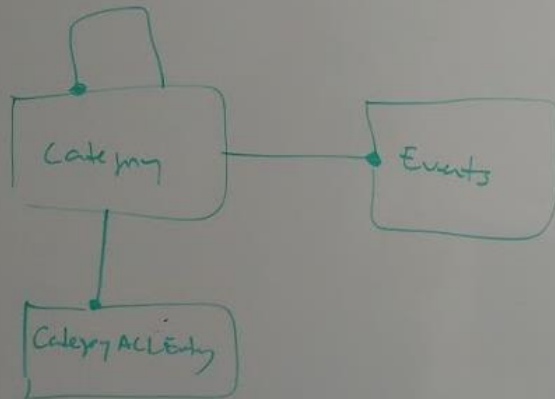
Always collapse outdated

Diagrams

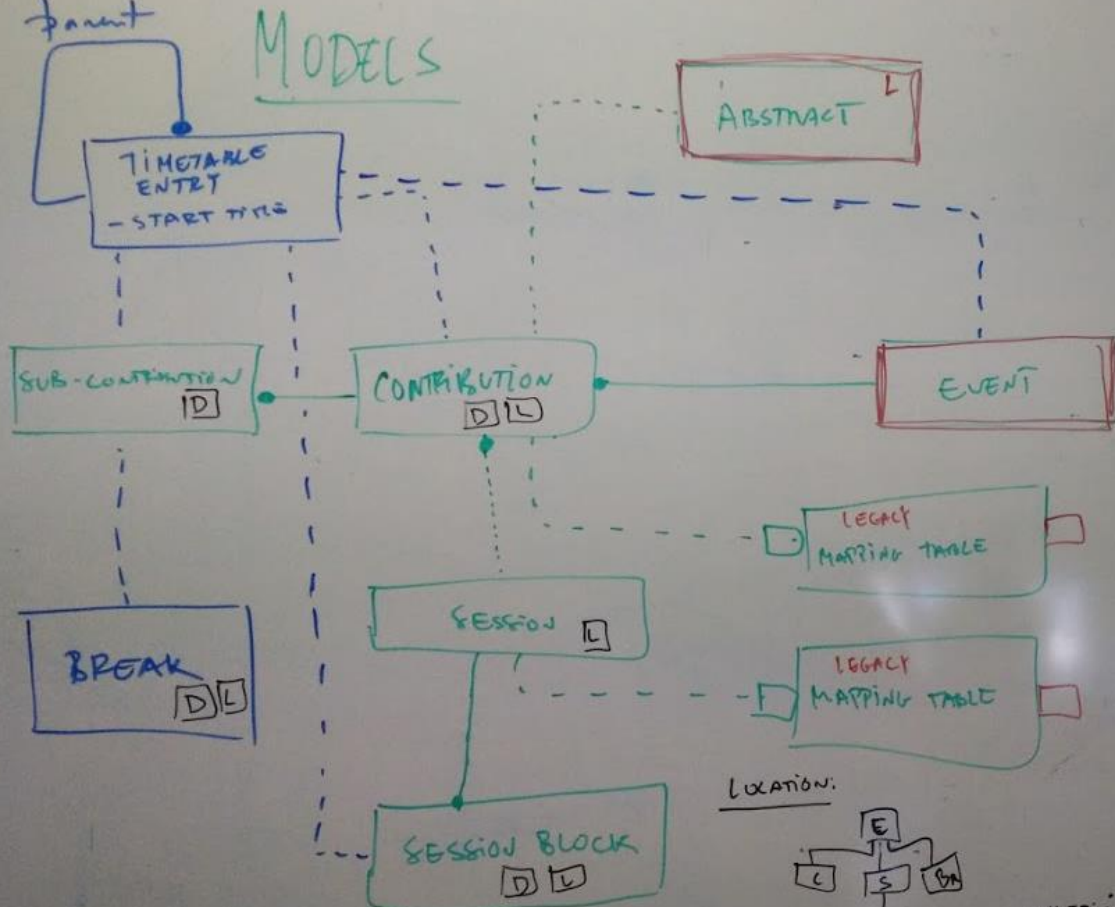
id	Title	Description	position	parent_id	is_deleted	visibility	default_image	default_status	icon/attach data
	full-text idx							JSON	
with event creator	event message mode	event message							

• All Principal Privies

Schema: categories



MODELS



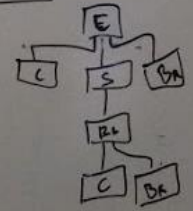
ROLES

- SESSION BOARD
- SESSION MANAGER
- SESSION CONVENOR (BLOCKS)
- CONTRIB. MANAGER
- CONTRIB. SUBMITTED
- AUTHOR, CO-AUTHOR, SPEAKER *
- TIMETABLE MANAGER

TASKS

- EXHAUSTIVE LIST OF ROLES
- MODEL DESIGN (3D-2FTD)
- INTERFACE MOCKUPS
- MIGRATION SCRIPT
- PAPER REBUILDING

Location:

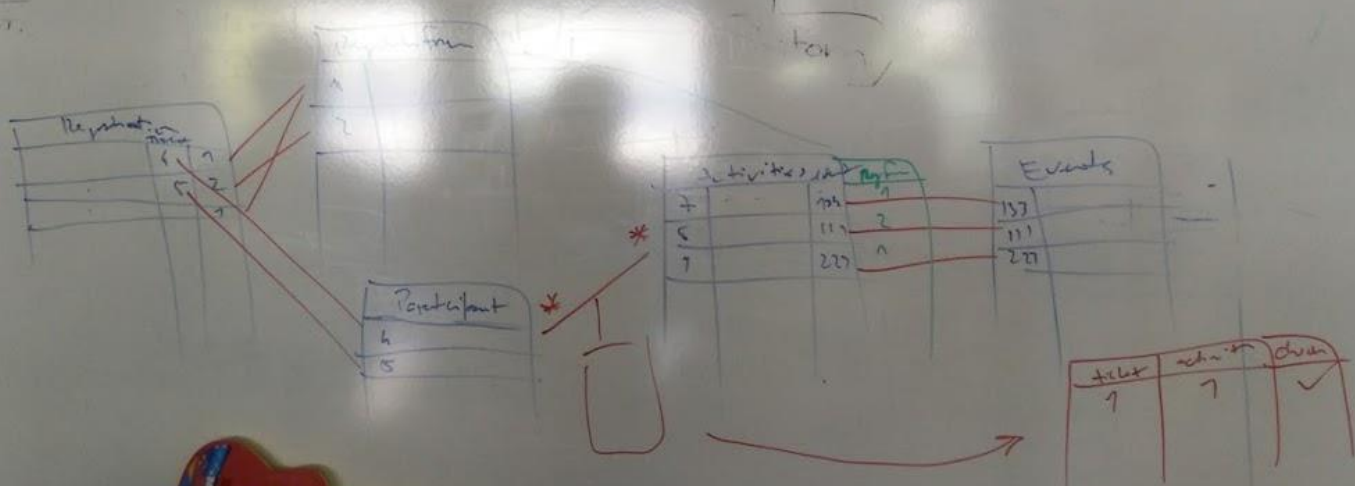
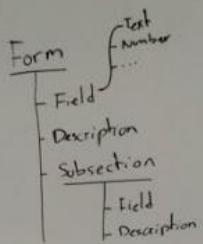
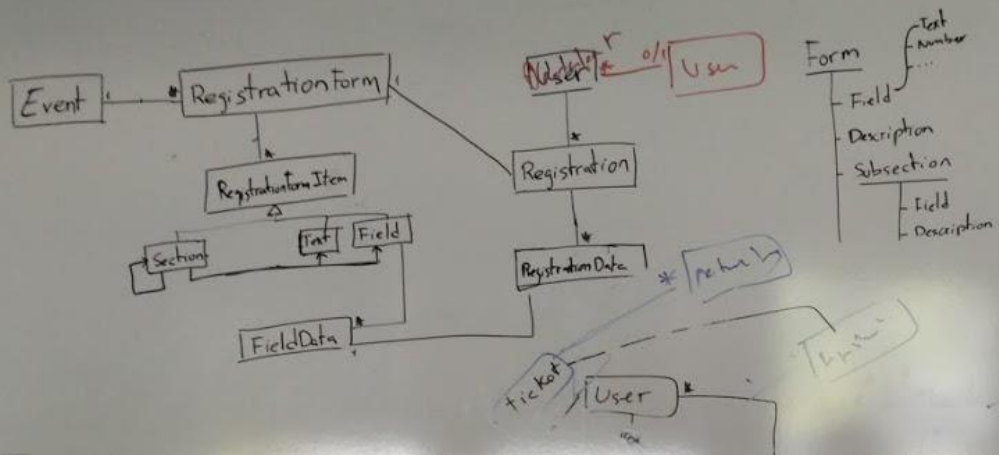


ACL TABLES

- CONTRIBUTIONS
- SESSIONS
- BLOCKS

- [D] - DURATION
- [L] - LOCATION INFO

- INHERITING
- ROOM ID
- ROOM NAME
- LOCATION NAME
- ADDRESS



CONTRIBUTIONFIELD DATA

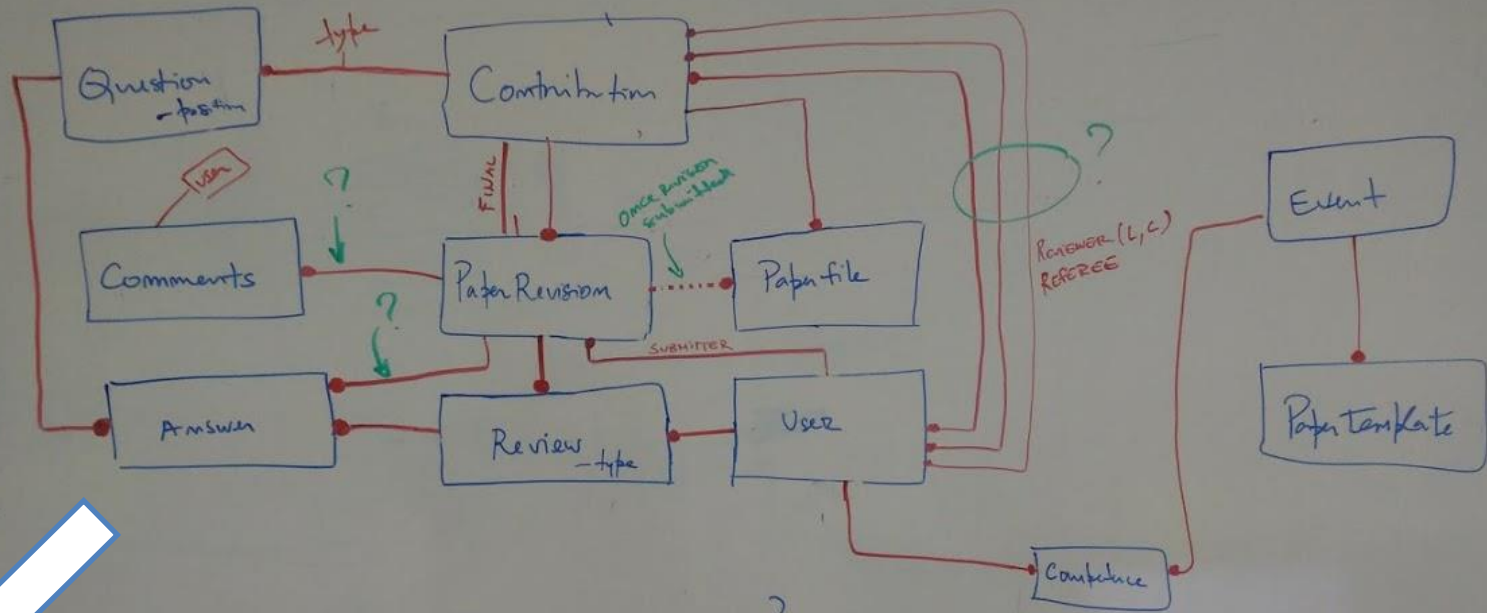
ABSTRACT FIELD *

*
CONTRIBUTOR

FOLK
- UID?

ROLE
- AUTHOR
- CO-AUTHOR
? SPEAKER

ID	C	F	RIC	S
			A/C	Y
			R	



- Main Paper file

- Custom statuses - usage?
- Roles - Judge vs. Referee?
- Questions answered by referees?
- Deadlines enforced?
- Displaying the plots - where?

Task Lists

v1.9.2 (AUTH)

LDAP: Auth Provider
 User Provider (S)
 Consent Provider (S)

OAuth: Auth Provider
 User Provider (S)

Static: Auth Provider
 User Provider (S)

Local: Auth Provider
 User Provider (S)

- OAuth / OpenID Connect / SAML
- Authentication vs. ~~User Data~~
- User Data:
 - LDAP
 - JSON endpoint ("dummy")

- Plugins
- LDAP
- Shibboleth (SAML)
- Local
- Login screen - selector
- Account merging (Bonvo || 2.1)
- Gravator (Bonvo || 1.9.3?)

Index id - *

task - multi-auth

task - sso

task - oauthlib

... LDAP (?)

Backends

Base case

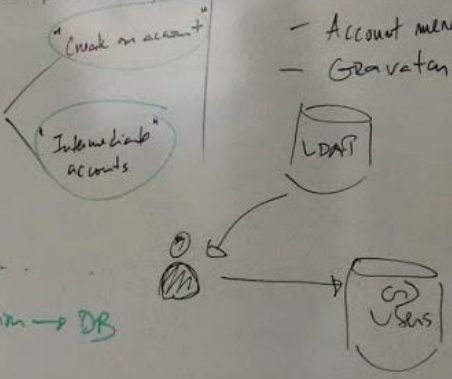
- Public API ● A, O
- Configuration
- Auth Provider
- User Provider

P ● Avatar Proxy (User)

- Multiple Institutions
- Core handles local groups
- Configuration Options !!
- Trusted email option (Auth)
- Cannot delete current one (ID)
- Data determined by auth providers and/or user providers
- Some user providers provide source
- Auth provider has signals → sync
- bcrypt

1. Do not create users "on request"
2. Get users from ~~User~~ providers.

- Auth Provider → access token
- User Data Provider → User information → DB



1.9.7

- "Publicated" state
- One way
- triggers emails and outlook

2.1

- Notification System



- MODELS 3D/2FTE
- MIGRATION SCRIPT 3D/2FTE
- CONTRIB. LIST

- 1D/1 - ADD/REMOVE/EDIT
- 1D/1 - MAILING/LISTS/LS ✓(?)
- FILTERING/SELECTION/STATIC
- 1D/1 - EXPORTING
- 1D/1 - MATERIALS

3D/2

- 0.5D/1 - REST INTERFACE - PATCH
- 0.5D/1 - PROTECTION
 - UI
 - 1D/1 → SEARCH
 - 0.5D/1 → BASIC
 - 2D/1 → TRACK/SESSION/DATETIME
 - FILTERING/SELECTION
- 1D/1 → P LISTS/MAILING
- 1D/1 → EDIT DIALOG
- 1D/1 → PROTECTION DIALOG

29.5

COMMON PARTS:

- LOCATION WIDGET 3D/1
 - ↓ - COLLAPSIBLE FIELDSSETS 1D/1
 - ↓ - CUSTOM DROP BOXES 2D/1
 - (CO-)AUTHOR/SPEAKER WIDGET 4D/1
 - DATE PICKER + TIME DELTA 3D/1
 - SUB-CONTRIBUTIONS 3D/1
 - SESSION LIST
 - BASIC LIST 0.5D/1
 - COLOR SWITCHES | 3D/1
 - PAlettes
 - LISTS/E-MAIL 1D/1
 - EXPORT 1D/1
 - ADD/REMOVE 1D/1
-
- 9.5.

- ABSTRACT FIELDS
- AUTHORS, SPEAKERS

TIME TABLE

- 2D - DATE PICKER (?)
- 1D - ADD NEW (MENUS)
- 0.5D - "SCHEDULE"
- 0.5D - ADD NEW CONTRIB.
- 2D - ADD NEW BLOCK
- 5D/2 [ADAPTING LEGACY CODE (JS)
- CREATING RESTFUL TT CODE (SET)
- 4D - WRAPPING NEW TT DATA (COMPAT, GET)
- 4D - BALLOONS | - UI (QTIP2) | TIME
- | - RESTFUL OPS | COLOR
- | | LOCATION
- 2D - RESCHEDULE (DIALOG + BACKEND)
- 1D - IMPORT (RESTFUL ENDPOINT)

89 → DGWK

5D/1 - UNDO

37

- WTForms

- Angular.js

✓ - Participants

✓ - Soft-delete

✓ - Pricing

- Generalize

(selects) from Summary

- Sessions - check DB

✓ - Social Events | Consider slots used

✓ - Accommodation | Date range

- Blueprints Angular REST

- DR Models & registration

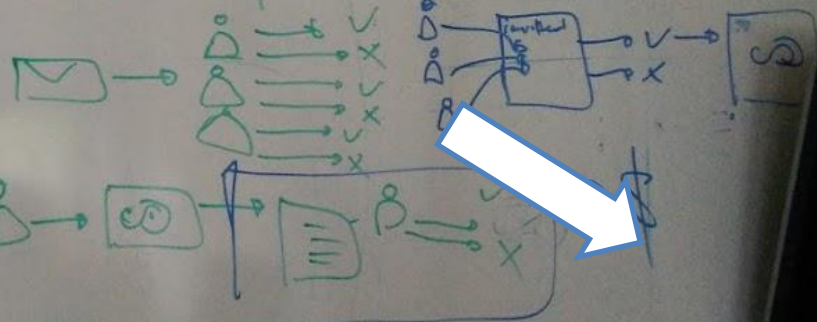
- Soft delete & disable

- No HTML in description - check DB
(non-escaped Markdown?)

- Allow null values | never
| Be for payment
| rather payment

- Negative prices for fields

- Participants: | "Attended" → "checked-in" - check DB



- "Separator" for sections (meeting)

- "Email field"

Migration

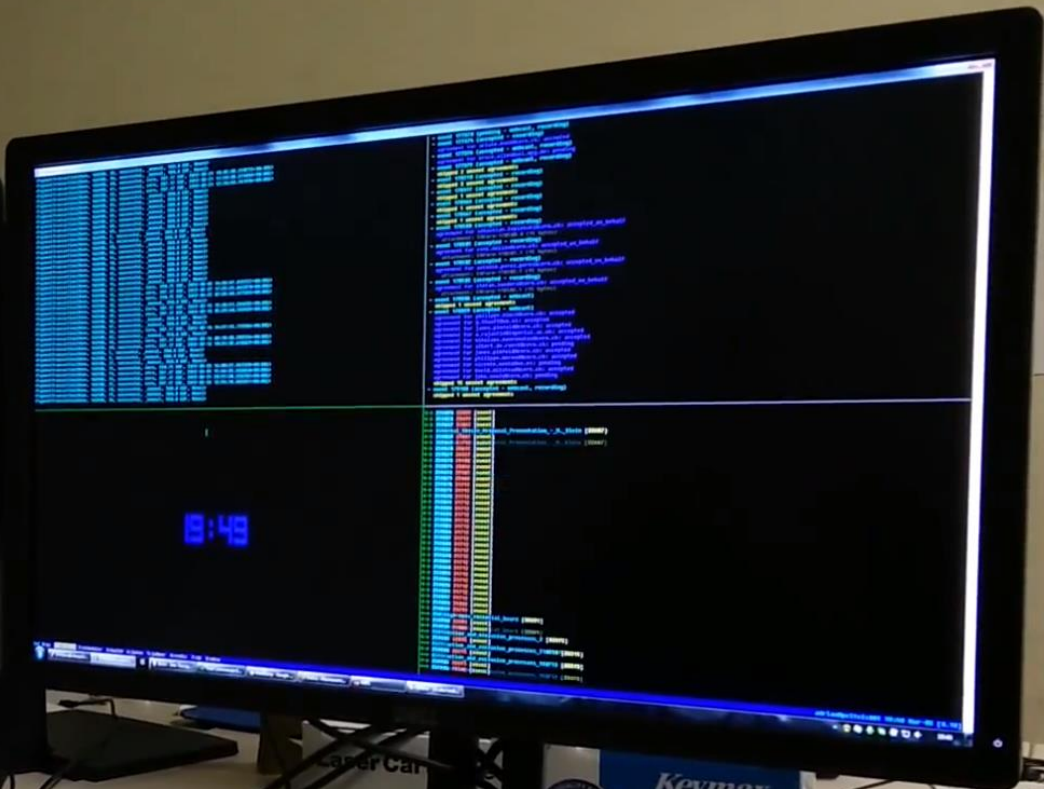
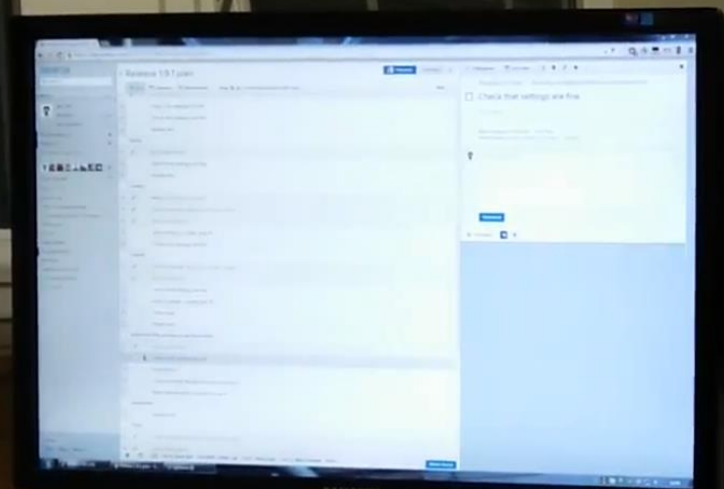


49













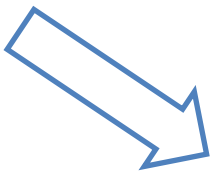
Indico Project

@indico_project

Follow



Indico@#CERN: Everything working normally since we came back 1h ago. I guess we'll call it a night!



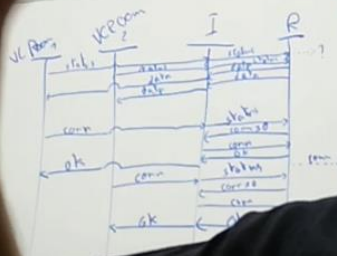
3:51 PM - 8 Jul 2015



1:20 AM



There are only 10 types
of people in the world:
those who understand binary
and those who don't.






Queue

- Release for an separate
- Some request / some co

And finally...

Remove ZODB - so long and thanks for all the fish!

[Browse files](#)

 master  v1.9.11.dev18  v1.9.10



ThiefMaster committed with **pferreir** on Feb 23

1 parent [77688cd](#) commit [c5d8671a6ca6133bcad34691e1976b60859e83c1](#)


Conclusion

3 years of hard work but also lots of fun

Building teams is harder than building code

... but it pays off!

Having a common goal unites everyone.

A photograph of two men smiling and holding a large white photo frame. The frame contains a smaller photo of the same two men in the same setting. At the bottom of the frame, a white strip of paper has the text "BYE D E JACQUES" written in blue marker. The background shows an outdoor dining area with a glass roof, white spherical lights, and people seated at tables.

BYE D E JACQUES

Questions?