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Constructive Rants

Plone Symposium 2013:
Midwest @ Oshkosh

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What is Plone

- Open Source project
- Application
- Ecosystem of software
- Community

Open Source

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- Open Source is now a primary business model which has not been niche in > 5 years
- Times, They Are A Changing
  - The “Linux” generation (35-45) was eager to collaborate and make the world a better place
  - The “mobile” generation (24-30) is more eager to leverage Open Source as a tool than a community.
- Application’s, such as Sentry and Datadog are virtually Open Source
  - Most/all of the source is open; company hosts/manages the product
  - Any other model is suspect if integrating with out FOSS software.
- Nearly all customers will move to some version of “As A Service”. Whether its Infrastructure, Application, Platform.
  - Systems will always get more complicated; never can it get less complicated as expectations of users increase (as they use Google, Office 365, etc)

Open Source

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- Plone is successful due to Open Source model
- Open Source is one of the best ways to engage with global peers
- Recruiters find Open Source very useful measurement of candidates skills
- Not going anywhere. Open Source for commodity services is the default and there will be no other model going forward. Open stack will be the primary cloud platform in 10 years. AWS and VMWare will be minority of installation base.

the Application

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- Plone popular due to ready-to-use App, w/ UI and UX
  - e.g. Django popularity due to “Admin UI”
- UI/UX technical are evolving but polish and usability not so much
  - Infrequently used tabs on content ? Rules and Sharing.
  - Rules shows up even if not enabled
  - Inconsistent icon usage in “Actions” menu; need default.
- Accessibility champion? Unsure what the feedback loop is and this will become even more challenging with JS. This is very important for a large group of high education and government. No one really owns the Accessibility market. Plone should.
- Needs “ready to go” integrations or products. That is how people judge applications. Whether its Google Apps Marketplace or Windows Store.

the Application

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- Installation could be modernized
- Visibility into any unexpected behavior
  - _vh_ story & link integrity
  - http://host/content
  - http://host/$corporate/content
  - $corporate introduced to enforce Shibboleth
- IMHO requires Plone, the Organization, to have some central infrastructure which each site can integrate into; the entry point currently is not
- Vendor badges associated with Add-ons. Give companies visibility/exposure to users – makes them motivated. Namespace is for nerds.

Installation Bliss

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Integrations | APIs | **Agent** | Embeds

Installation instructions

- Mac OS X
- Windows
- Debian Squeeze
- Debian Lenny
- Ubuntu
- Amazon Linux
- CentOS 6
- CentOS 5
- SmartOS
- Chef
- Puppet
- From Source

Installing on Mac OS X

1 The Datadog agent can be installed on OS X as easily as:

```
DD_API_KEY=[redacted] bash -c "$(curl -L http://dtdg.co/dd-ag
```

The agent will be installed in its own sandbox located at `~/.datadog-agent`.

2 To set up `launchd` to run the agent automatically at login:

```
mkdir -p ~/Library/LaunchAgents
cp ~/.datadog-agent/launchd/com.datadoghq.Agent.plist ~/Library/LaunchAgents/.
launchctl load -w ~/Library/LaunchAgents/com.datadoghq.Agent.plist
```

Missing Features

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- ease-of-install
- Centralized communication mechanism / notification to site administrators
  - plone.home like functionality
    - alert users of package updates; security updates
    - wrapper around pypi searches
    - Facilitate
- plone.app.theming
  - Ploud theme gallery like thing
  - less integration with plone.app.theming
- Auditing
  - every action being written to a logging level
  - scripts to post the auditing information into some store
  - basic scripts to analyze store

the EcoSystem

- collective.cover
  - In production and actively updated
  - Page layout mechanism allows drag-n-drop of “tiles”
  - Majority of “big issues” have been identified
  - Great example of putting in the extra work and open sourcing project that is useful for the broader community
- collective_firebase
  - Real-time javascript integration with Plone
  - Provides basic infrastructure
  - Has a single out-of-the-box feature “Notifications”
- collective.pwexpiry
  - Provides password expiration policies and notification of users before passwords expire
- collective.portlet.pythonscript
  - Centrally manage Python Scripts and expose them as portelts
  - Missing “templates” which to render existing results currently ul & li
  - Expecting to have tile
- Getsentry (enfold.getsentry)

collective.cover

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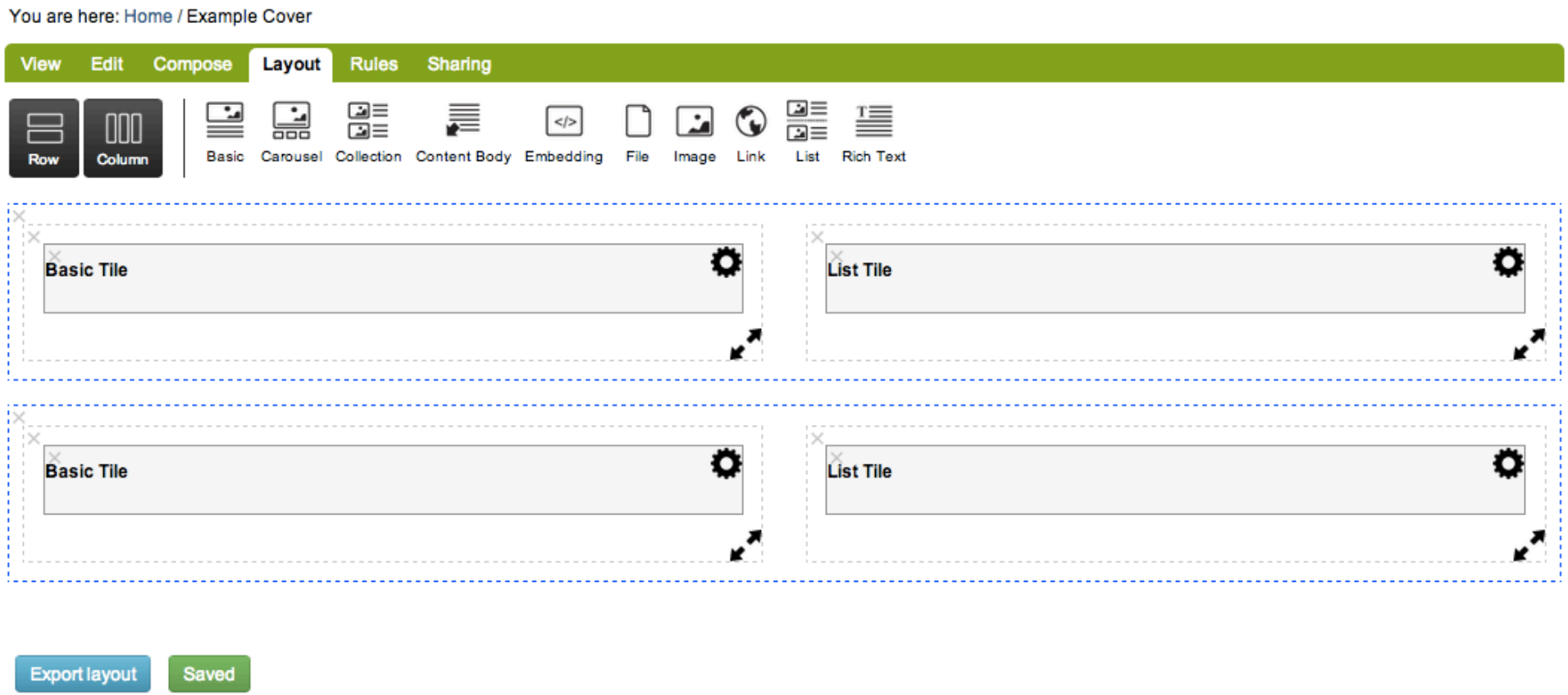

collective_firebase

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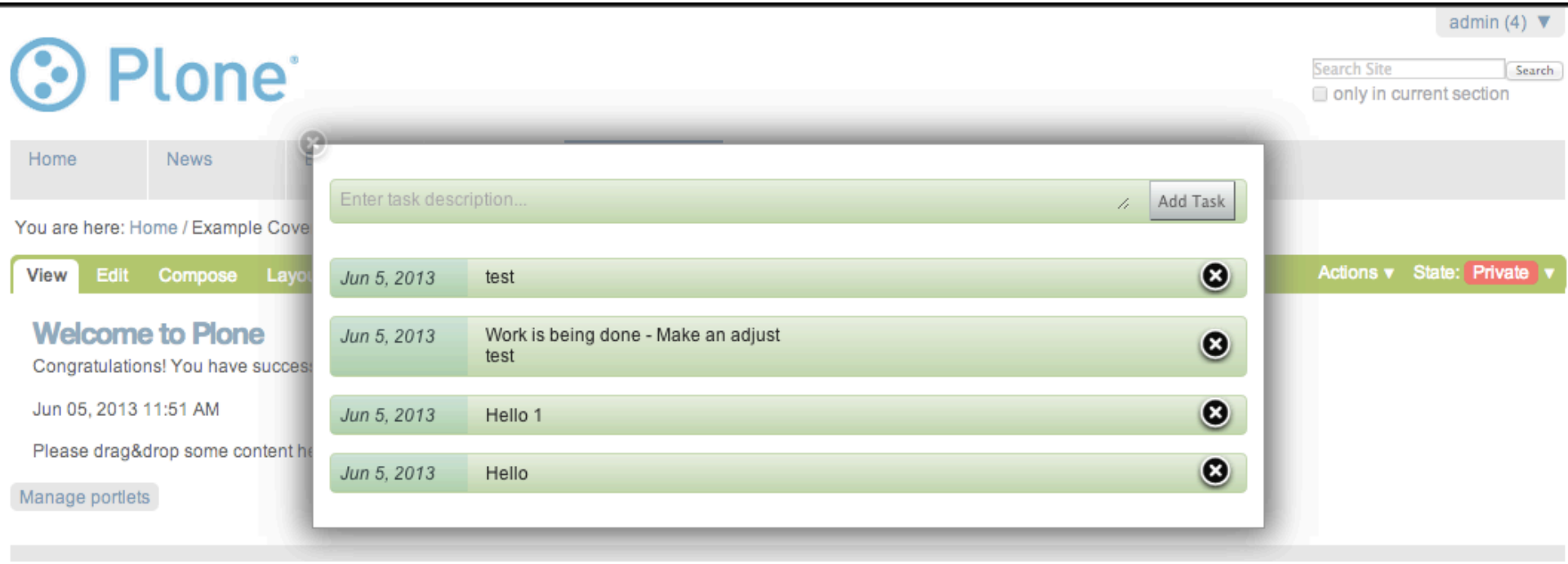
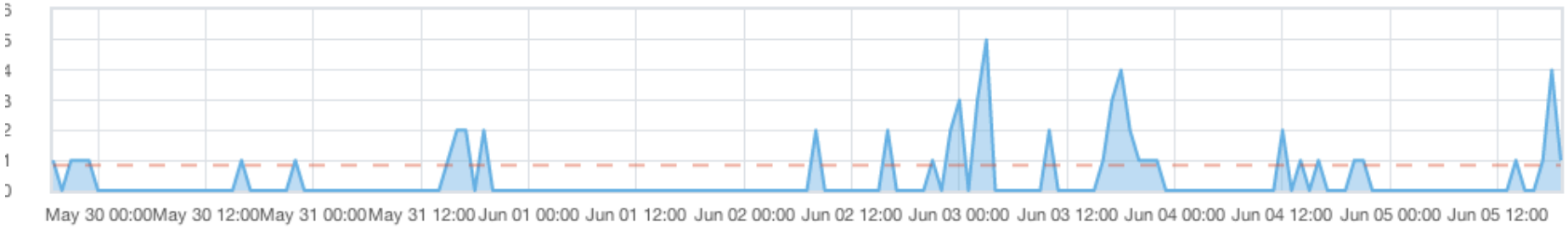


getsentry



Trends 15 minutes 60 minutes 24 hours

533 **OFS.Traversable.unrestrictedTraverse**
Exception
just now CDOT Public Website Rackspace exception

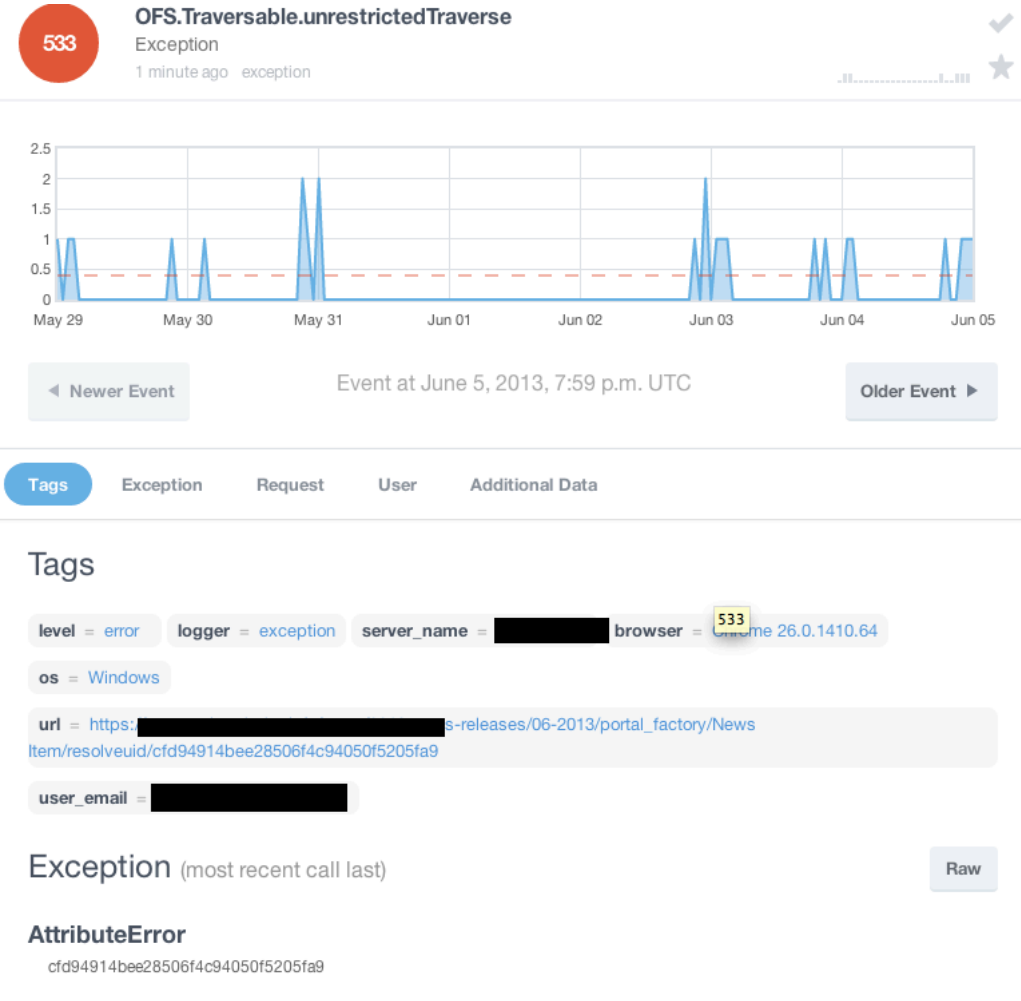
487 **script.getCaptchaImage**
Exception
1 hour ago CDOT Public Website Rackspace exception

10 **ZPublisher.BaseRequest.traverse**
Exception
1 hour ago CDOT Public Website Rackspace exception

New Events 15 minutes 60 minutes 24 hours

No events to show.

getsentry


533
OFS.Traversable.unrestrictedTraverse
Exception
1 minute ago exception
2.5
2
1.5
1
0.5
0
May 29
May 30
May 31
Jun 01
Jun 02
Jun 03
Jun 04
Jun 05
Newer Event
Event at June 5, 2013, 7:59 p.m. UTC
Older Event
Tags
Exception
Request
User
Additional Data
Tags
level = error
logger = exception
server_name = [redacted]
browser = [redacted] 26.0.1410.64
533
os = Windows
url = https:[redacted]s-releases/06-2013/portal_factory/NewsItem/resolveuid/cfd94914bee28506f4c94050f5205fa9
user_email = [redacted]
Exception (most recent call last)
Raw
AttributeError
cfd94914bee28506f4c94050f5205fa9
Aggregate
Tags
Similar Events
AGGREGATE DETAILS
Status: Unresolved
First Seen: Dec. 20, 2012
Reopened At: Jan. 9, 2013
Last Seen: just now
This event is not publicly visible.
Change
ACTIONS
Mute Event
Remove Event Data
BROWSER
254 Chrome 21.0.1180.89
127 Chrome 26.0.1410.64
74 Microsoft Internet Explorer 8.0
33 Chrome 22.0.1229.79
4 Firefox 7.0.1
2 Chrome 25.0.1364.172
2 Firefox 9.0.1
1 Firefox 20.0
URL
[redacted]
fa9
43 [redacted]

getsentry

ZPublisher/Publish.py ? in publish

```
126.                         request, bind=1)
```

ZPublisher/mapply.py ? in mapply

```
77.     if debug is not None: return debug(object,args,context)
```

ZPublisher/Publish.py ? in call_object

```
46.     result=apply(object,args) # Type s<cr> to step into published object.
```

opt/plone/buildout/cache/eggs/Products.CMFPlone-4.2.1.1-py2.7.egg/Products/CMFPlone/FactoryTool.py ? in __call__

```
441.             obj = temp_obj.restrictedTraverse('/'.join(stack))
```

OFS/Traversable.py ? in restrictedTraverse

```
317.         return self.unrestrictedTraverse(path, default, restricted=True)
```

OFS/Traversable.py ? in unrestrictedTraverse

```
285.                         raise e
```

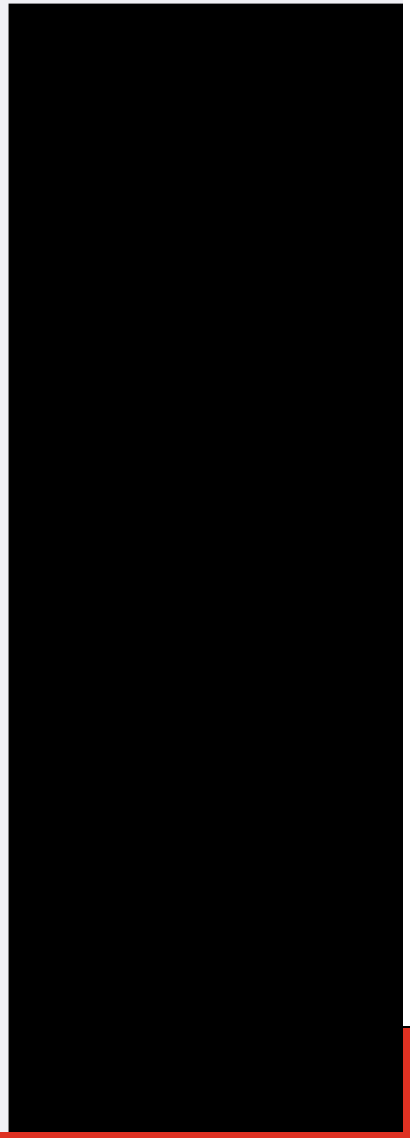
Request

Replay this request

URL:	[redacted]ews-releases/06-2013/portal_factory/NewsItem/resolveuid/cfd94914bee28506f4c94050f5205fa9	
Method:	GET	
Query:		
Headers:	**CONNECTION_TYPE**	close
	GATEWAY_INTERFACE	CGI/1.1
	HTTP_ACCEPT	*/*

Expand Context (23 hidden)

User



getsentry

User

ID:	[redacted]
Email:	[redacted]
Data	{u'is_authenticated': 1}

Additional Data

filename			
lineno	1		
message	Exception		
pathname			
process	20876		
processName	MainProcess		
sentry.interfaces.Http	**data**		
	headers	**CONNECTION_TYPE**	close
		GATEWAY_INTERFACE	CGI/1.1
		HTTP_ACCEPT	*/*
		Expand Context (23 hidden)	
	host	127.0.0.1	
	Expand Context (3 hidden)		
sentry.interfaces.User	**email**	[redacted]	
	id		

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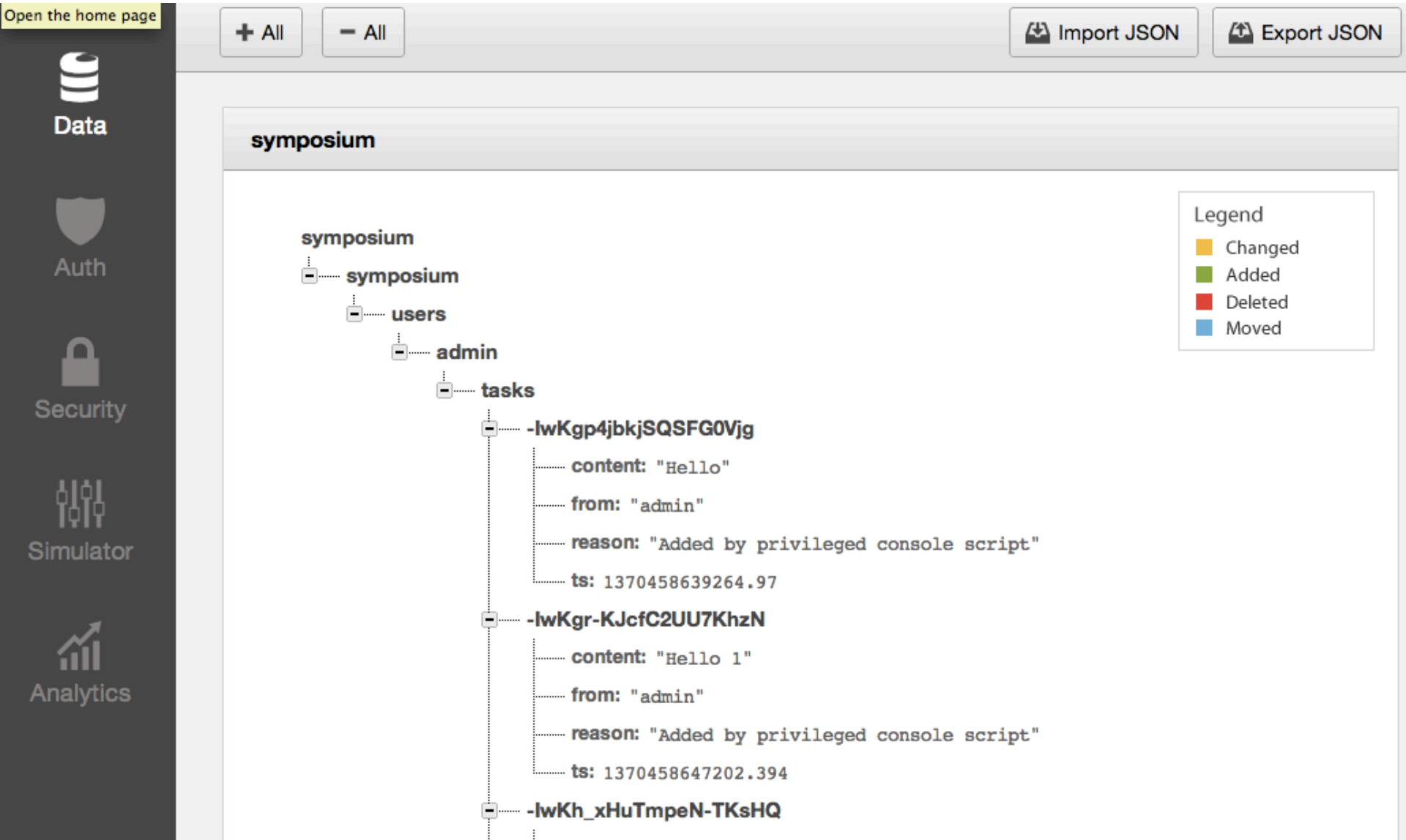

the Project

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- Which JS framework
  - Zepto, JQuery, Ember, Angular
- UI/UX technical are evolving but polish and usability not so much
  - Infrequently used tabs on content ? Rules and Sharing.
  - Rules shows up even if not enabled
  - Inconsistent icon usage in “Actions” menu; need default.
- Accessibility champion? Unsure what the feedback loop is and this will become even more challenging with JS
- Need zen guidelines
  - If there is only 1 implementation – don’t add indirectly.
  - I Like RealTime JS because no one in their right mind would add a abstraction around “pluggable realtime js libraries” ;-) you pick one and stick with it.

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You are them

Can you help?

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- Plone
  - Pick something that interests you
    - UI / UX / Frontend developers who care
    - Javascript / CSS engagement with framework team
  - Be realistic with your time; if you can help – help. If not just do what you can during sprint.
- collective.cover
  - Need people to use it
  - Write documentation
  - Fix bugs – a new release is planned to be released by end of symposium sprint.
- Realtime JS?
  - Extend collective_firebase? Firebase vs. Meteor?
  - Ideas: Activity streams, Task Assignment, “contentrules” integration

Q&A

- Any Questions?
- More information:
  - www.plone.org
  - www.enfoldsystems.com