

Nov. 2012

Gerrit User Summit



How to make your code discoverable

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A bit about Wikimedia

- The non-profit that runs Wikipedia and other free-content sites
- All of our software is open source (MediaWiki)
- We've been using Git and Gerrit since late 2011
- > 100 hundred active contributors, almost 600 repositories

So, what's the problem?

Projects

[Create New Project](#)

<i>Project Name</i>	<i>Project Description</i>
▶ All-Hidden-Projects	Container group for projects that have READ -> DENY for Registered Users
All-Projects	Rights inherited by all other projects
USERINFO	A repository for holding information about all of our developers.
analytics	All WMF Analytics projects.
analytics/DeviceMapLogCapture	Repo for Apache DeviceMap project to collect data on mobile device capabilities.
analytics/E3Analysis	
analytics/asana-stats	Automatically generate status updates for email and wikis from Asana.
analytics/check-stats	
analytics/editor-geocoding	Geocoding of editors for Global Dev.
analytics/gerrit-stats	Collecting code review metrics
analytics/gerrit-stats/data	Gerrit stats data for Wikimedia repositories.
analytics/glass	

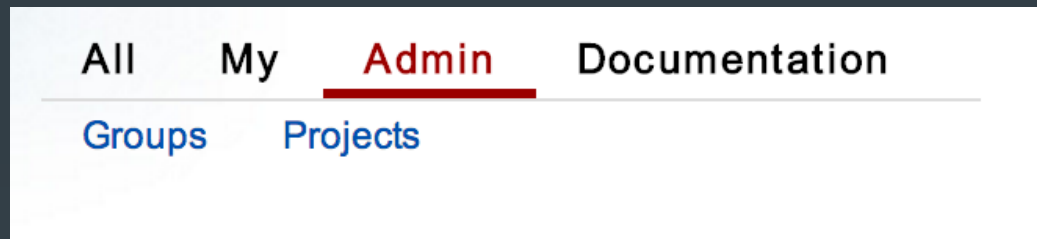
- This page gets very cluttered
 - No way to filter the output
 - Shows you lots of things you don't care about

So, what's the problem?

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analytics/DeviceMapLogCapture	Repo for Apache DeviceMap project to collect data on mobile device capabilities.
analytics/E3Analysis	
analytics/asana-stats	Automatically generate status updates for email and wikis from Asana.
analytics/check-stats	
analytics/editor-geocoding	Geocoding of editors for Global Dev.
analytics/gerrit-stats	Collecting code review metrics
analytics/gerrit-stats/data	Gerrit stats data for Wikimedia repositories.
analytics/glass	

- You can't find the code
 - People who just want to browse
 - People who want to contribute

So, what's the problem?



- Nobody knows to look under Admin for Projects

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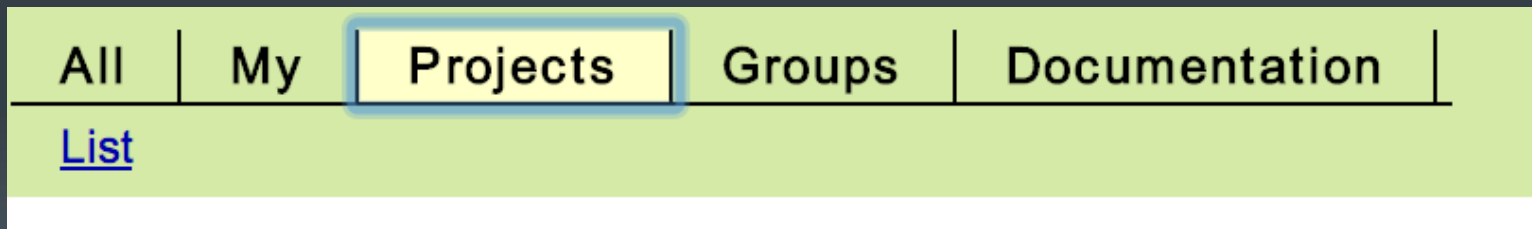
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Why are these things important?

- Users want to find useful information with the fewest clicks necessary
- Users only want to look at things that are interesting
- The current situation does not scale when you start to have more than a handful of repositories

What have we done?



- We've already moved Projects out of the Admin menu (in 2.5)

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What have we done?

<i>Project Name</i>	<i>Project Description</i>	<i>Repository Browser</i>
► Public-Plugins	Parent project for plugins/*	(browser)
Public-Projects	Parent project enabling Anonymous Users read	(browser)
executablewar	Support for running code directly from WAR files	(browser)
gerrit	Gerrit Code Review	(browser)

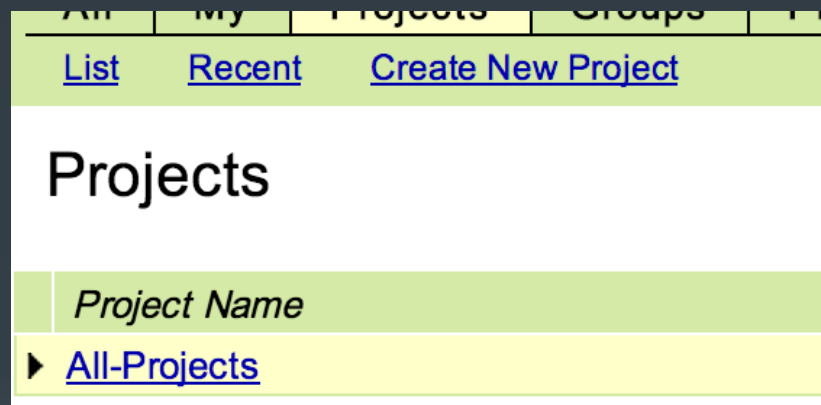
- We've added a link to the repository browser (in 2.5)

What are we doing?

All	My	Projects	Groups	Plugins	Documentation
List	Recent	Create New Project			
<h2>Projects</h2>					
Filter:	<input type="text" value="All-Projects"/>				
<i>Project Name</i>	<i>Project Description</i>				
▶ All-Projects	Rights inherited by all other projects				

- Filtering to help you search for projects (thanks Edwin!)

What are we doing?



- Recent projects shows 10 projects that you've recently been active in (thanks Edwin!)

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What should we do?

- Expand searching to include descriptions
- Find a way to group related projects
- Cleanup & expand project info pages
 - Show where to clone from
 - Prominent links to repo browsers
 - Hide administrative stuff if it's not relevant
 - Show latest commit branches

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What do you think we need to do?