
Beyond Standard Panels

CHAOSCon/GrimoireCon
Brussels, Feb 2018

David Moreno, Daniel Izquierdo
@dlumbrrer1, @dizquierdo
dmoreno,dizquierdo at bitergia dot com
<https://speakerdeck.com/bitergia>



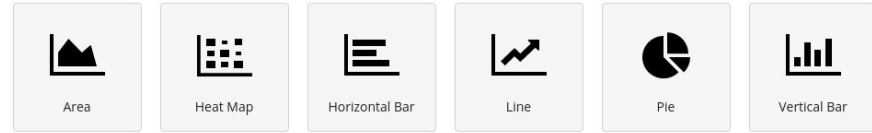
/outline

Plugins

Use Cases



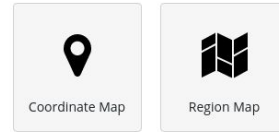
/visualizations



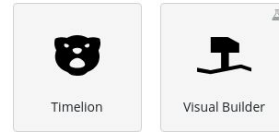
Data



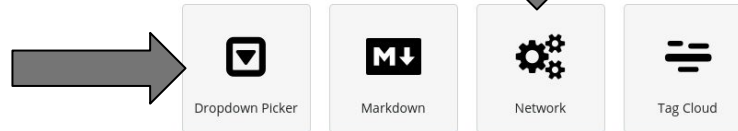
Maps



Time Series



Other



Plugins

Network plugin

Searchtables plugin

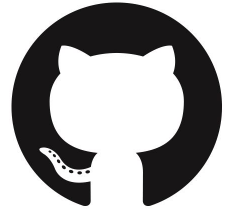
Dotplot plugin

Dropdown plugin

/network

Website:

https://dlumbrer.github.io/kbn_network/



Repo GitHub:

https://github.com/dlumbrer/kbn_network



Metrics

Node Size

Count

[Add metrics](#)

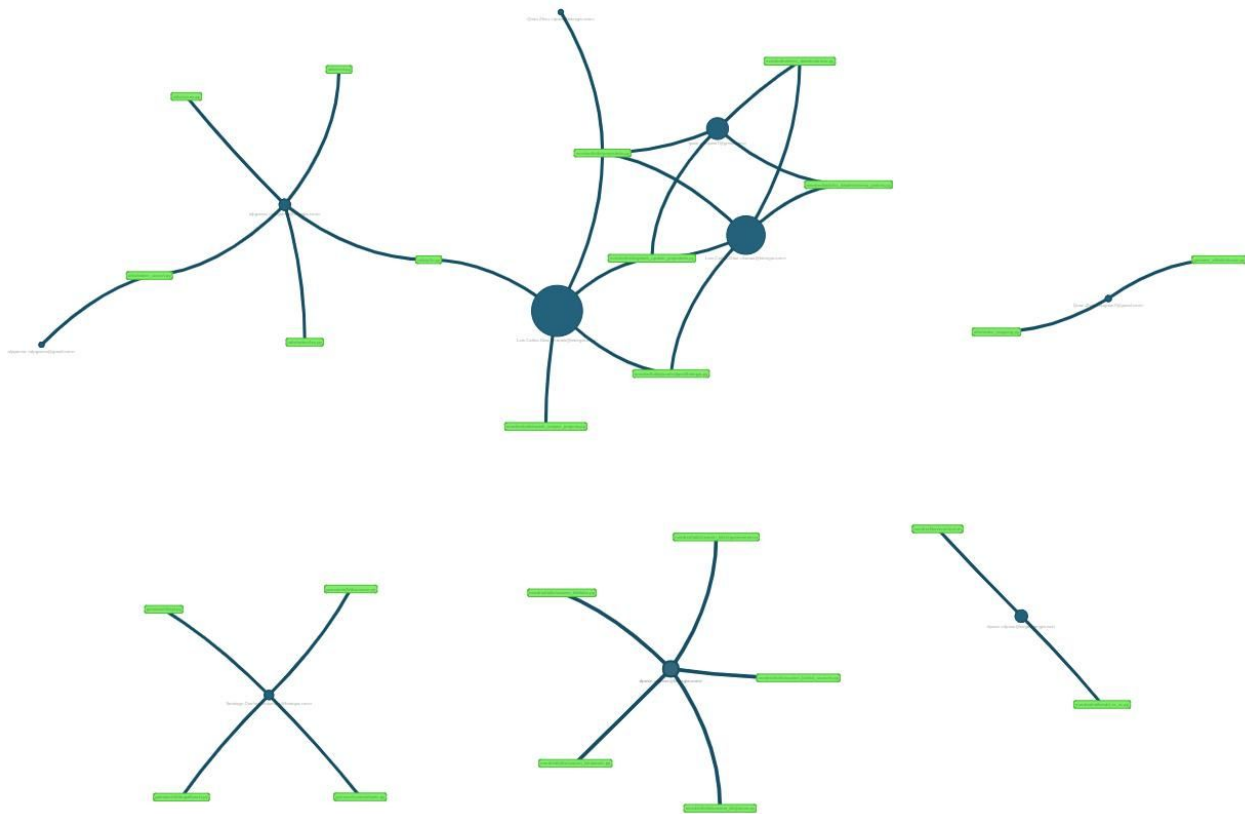
Buckets

Node

data.Author: Descending

Node

data.files.file: Descending

[Add sub-buckets](#)

/demo



2 different types of nodes related between them:

Select Node (x2)

Select buckets type

- Node
- Relation
- Node Color

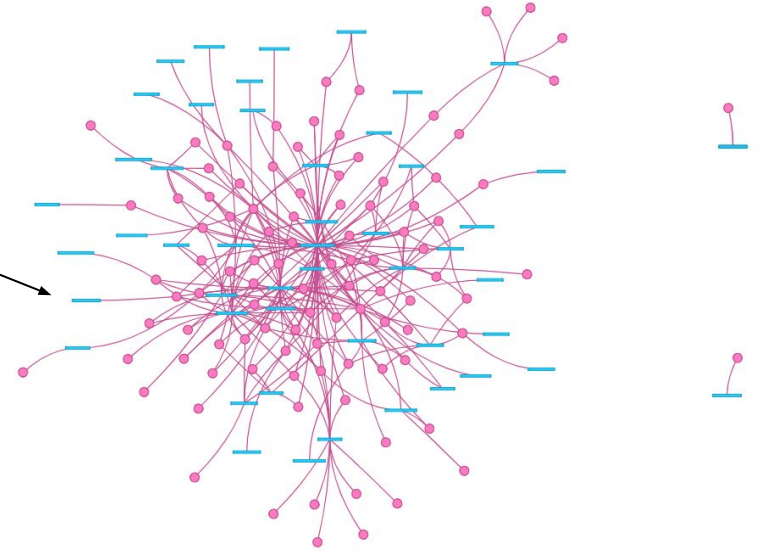
Cancel

- buckets**
- Node
 - Node

Author_name: Descending ↓ ×

repo_name: Descending ↓ ×

Add sub-buckets



/node-relation

Just one type of nodes (Node), but they are related by other field (Relation):

Select Node

Select buckets type

Node

Relation

Node Color

Cancel

Select Relation

Select buckets type

Node

Relation

Node Color

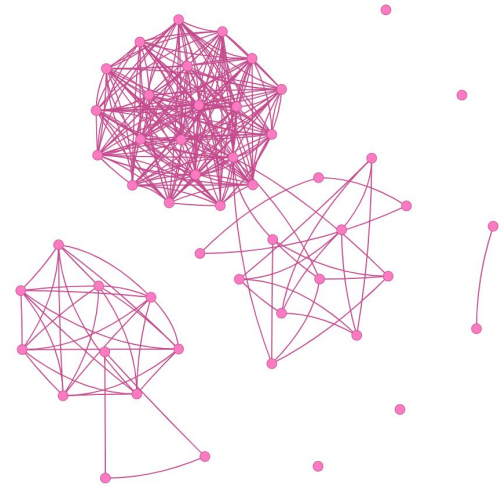
Cancel

buckets

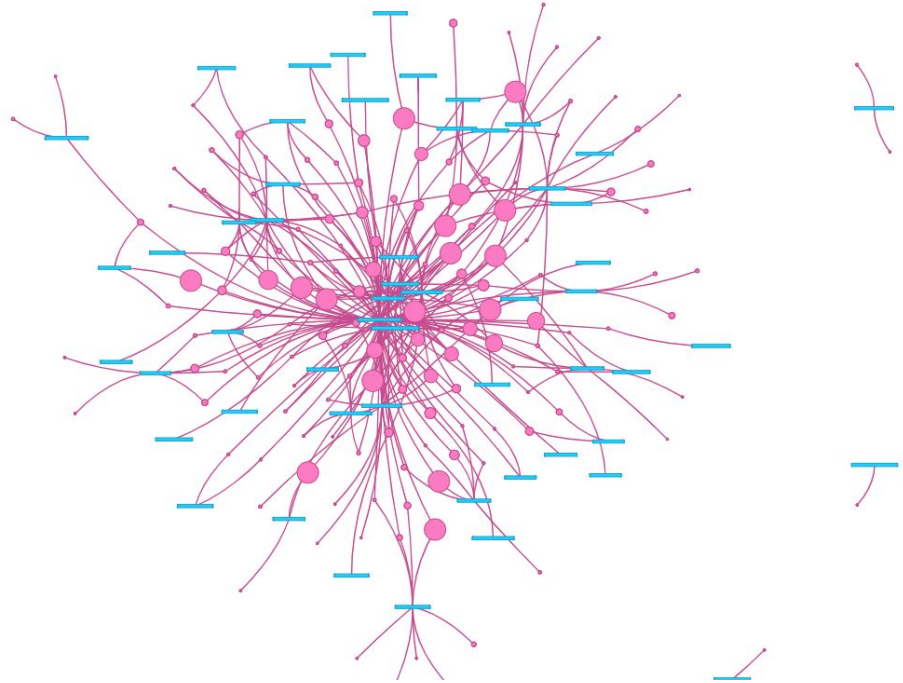
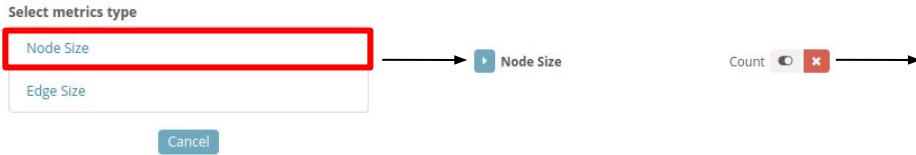
Node Author_name: Descending

Relation author_org_name: Descending

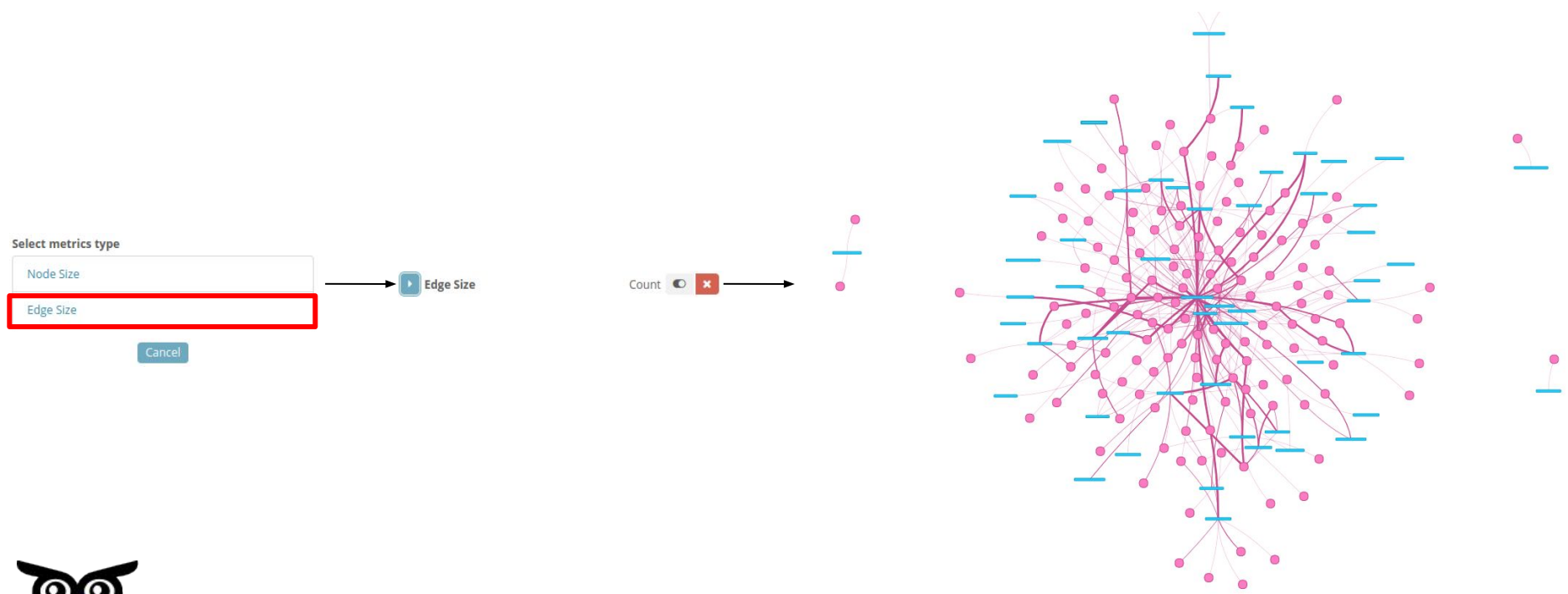
Add sub-buckets



You can change the size of the nodes by a metric:



You can change the size of the edges by a metric:



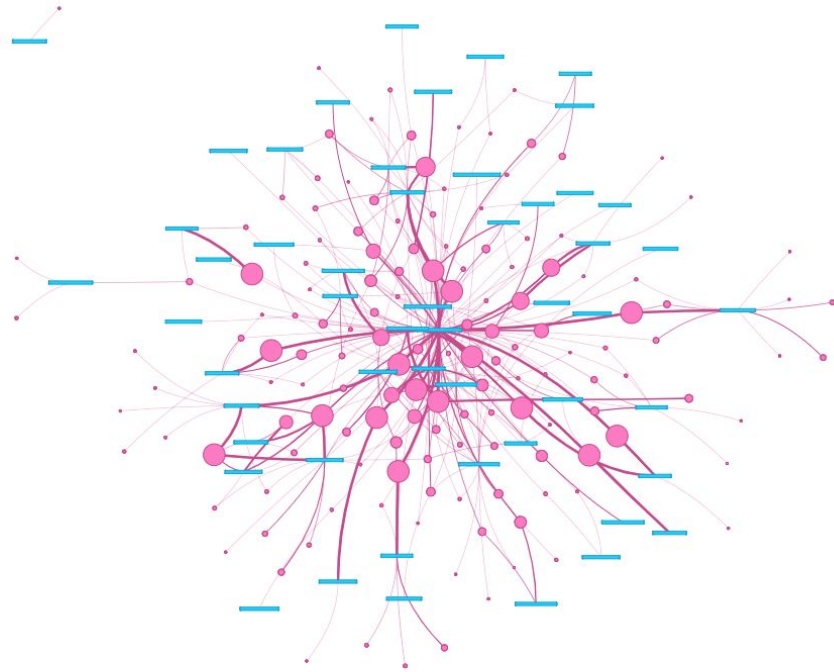
metrics

▶ Node Size

▶ Edge Size

Count |

Count |



Several options (**important**) in order to make the network more scalable and customizing it.

Node color (bucket)

Select buckets type

- Node
- Relation
- Node Color

Cancel

Tab "options"

Relationship style

Default colors

Background Color:

Node:

Second Node:

Labels:

Size

Max Node Size

Min Node Size

Max Edge Width

Min Edge Width

Shapes

Node:

Second Node:

Directional Edges

Display directional edge:

Endpoint position:

Endpoint Type:

Scale Factor:

Smooth type:

Extra

- Show labels
- Show Popup
- Show Color Legend (Node Color selected)
- Nodes Acting like Springs

Network constants

Attraction Force

Spring Force

Top Values

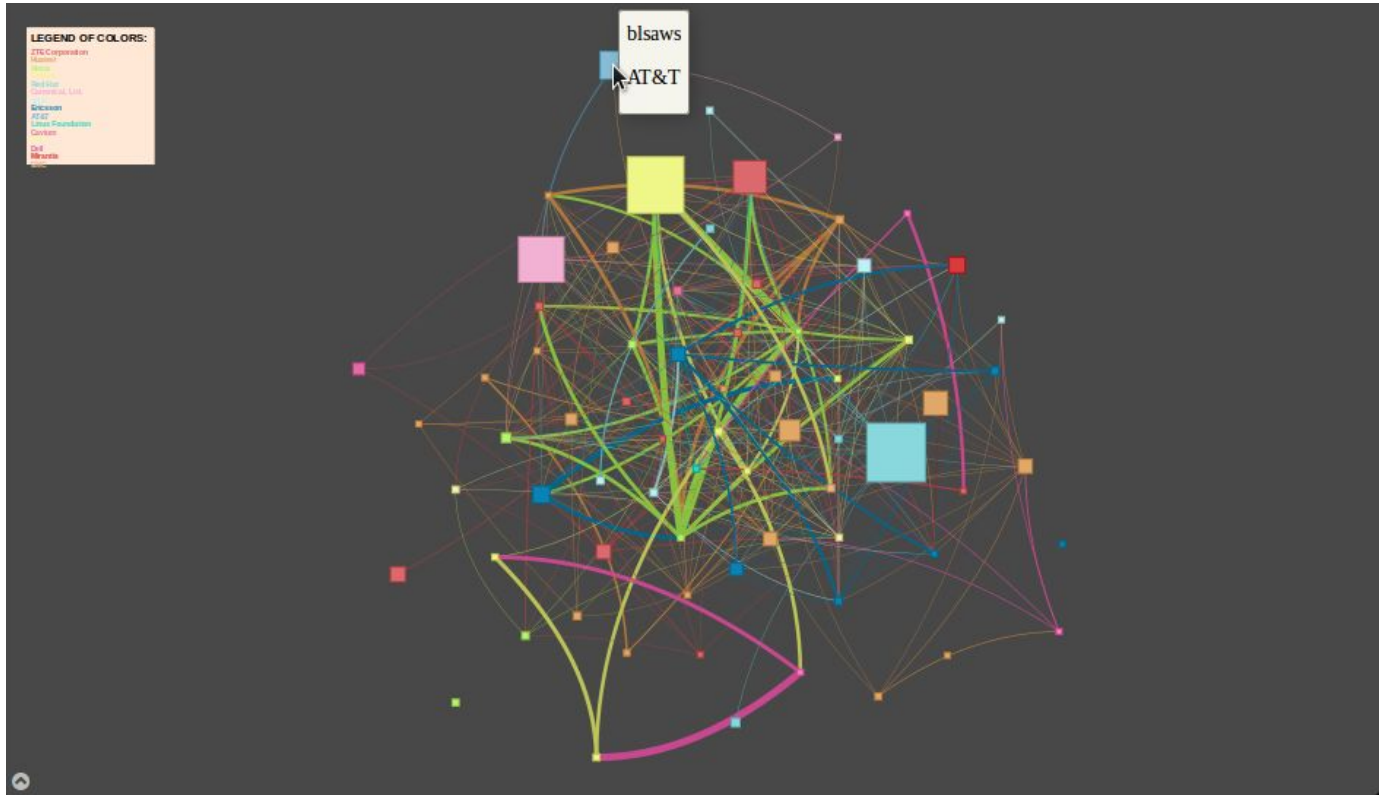
Node Size

Edge Size

Don't show nodes below this value:

Node Size

/customización



Search in the tables (**without applying filters**)

Visualize / New Visualization (unsaved) Save Share Refresh Last 5 years

Search... (e.g. status:200 AND extension:PHP) Uses Lucene query syntax

Add a filter +

git Cisco

Author: Descending	author_org_name: Descending	repo_name: Descending	Count
Robert Varga <rovarga@cisco.com>	Cisco	https://git.opendaylight.org/gerrit/yangtools	1,581
Robert Varga <rovarga@cisco.com>	Cisco	https://git.opendaylight.org/gerrit/releng/autorelease	1,472
Robert Varga <rovarga@cisco.com>	Cisco	https://git.opendaylight.org/gerrit/controller	1,221
Robert Varga <rovarga@cisco.com>	Cisco	https://git.opendaylight.org/gerrit/bgpcep	909
Robert Varga <rovarga@cisco.com>	Cisco	https://git.opendaylight.org/gerrit/mdsal	821
Tony Tkacik <ttkacik@cisco.com>	Cisco	https://git.opendaylight.org/gerrit/controller	1,230
Tony Tkacik <ttkacik@cisco.com>	Cisco	https://git.opendaylight.org/gerrit/yangtools	947
Tony Tkacik <ttkacik@cisco.com>	Cisco	https://git.opendaylight.org/gerrit/mdsal	836
Tony Tkacik <ttkacik@cisco.com>	Cisco	https://git.opendaylight.org/gerrit/releng/autorelease	635
Tony Tkacik <ttkacik@cisco.com>	Cisco	https://git.opendaylight.org/gerrit/netconf	388

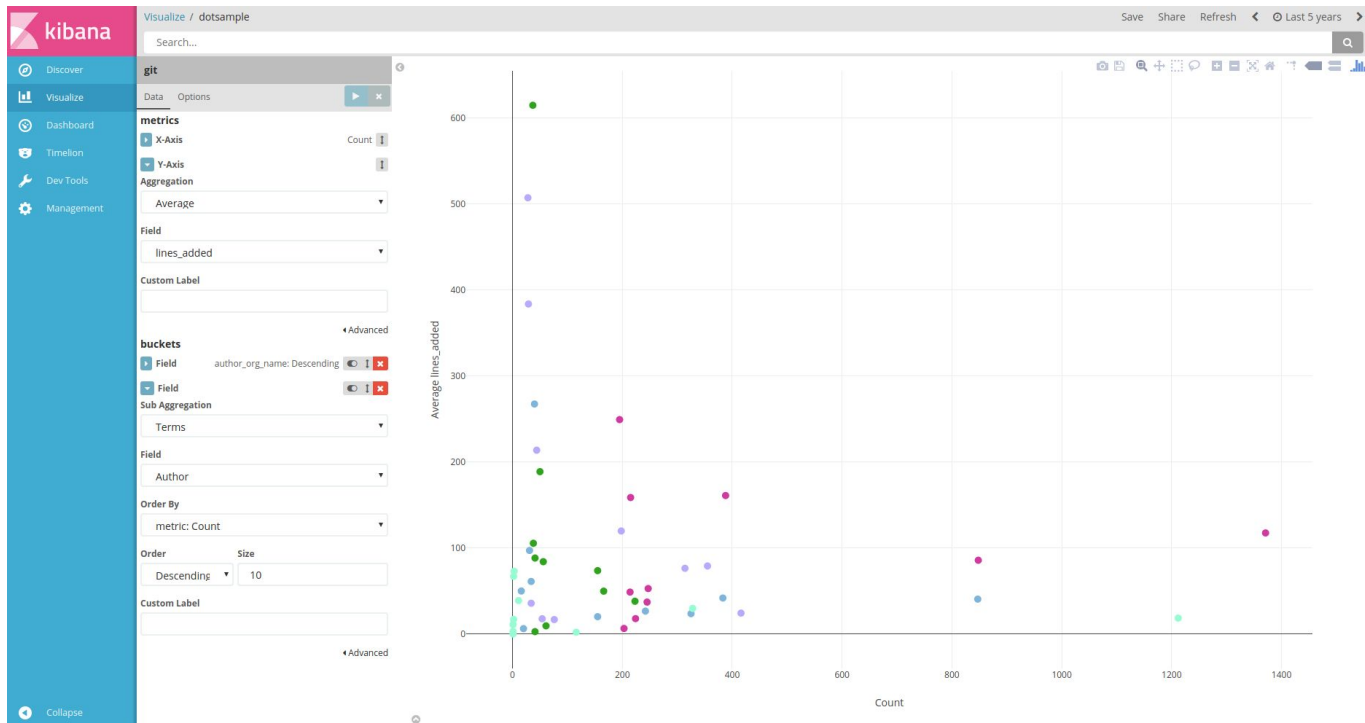
Export: [Raw](#) [Formatted](#)

1 2 3 4 5 ...53

https://github.com/dlumbrier/kbn_searchtables



Dot plot with metrics in the two axis



https://github.com/dlumber/kbn_dotplot

Filtering by a “dropdown” that allows to select values of a field previously selected

SpeechesDropdown

New Add Save Open Share Options Last 15y

* 🔍

speaker_party: "ALP" Actions ▶

Party: ALP

Speaker: select value

- Penny Ying Yen Wong (6931 hits)
- Anthony Norman Albanese (5836 hits)
- Stephen Michael Conroy (5789 hits)
- Julia Eileen Gillard (4872 hits)

Time	speech	speaker_party	speaker_name
▶ March 18th 2015, 10:07:00.000	There is no point of order.	ALP	Nova Peris
▶ March 18th 2015, 12:23:00.000	On the point of order, I am referring to 'Mr Fixer' because that is what the education minister named himself.	ALP	Helen Beatrice Polley
▶ March 18th 2015, 13:03:00.000	Mr President, I rise on a further supplementary question: Minister, does the government remained committed to all the unfair measures in the 2014-15 budget, including cutting health, education, pensions and higher education?	ALP	Chris Ketter

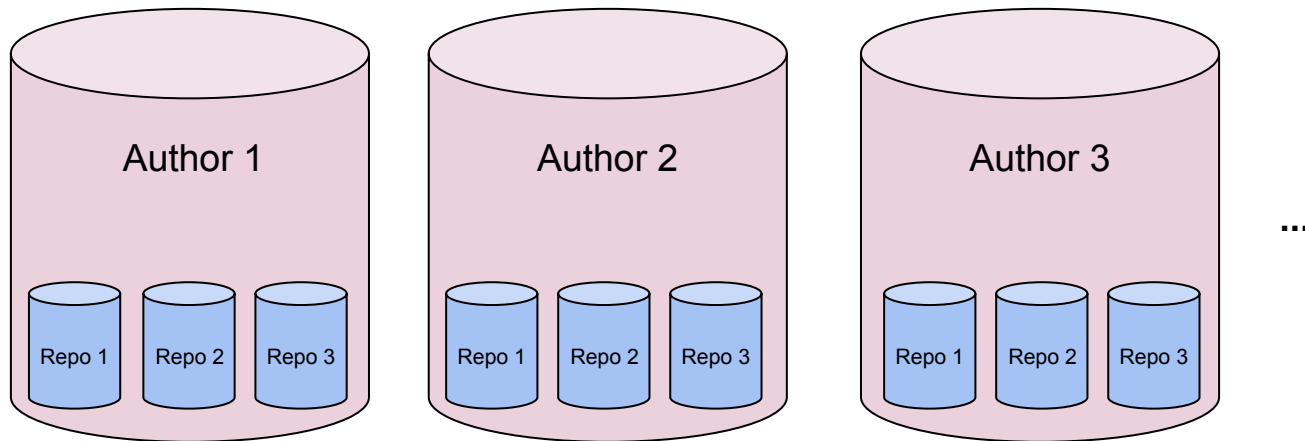
ES aggregations

The order is important:

buckets

▶ Node	Author_name: Descending	☐	⌵	✕
▶ Node	repo_name: Descending	☐	⌵	✕

Add sub-buckets

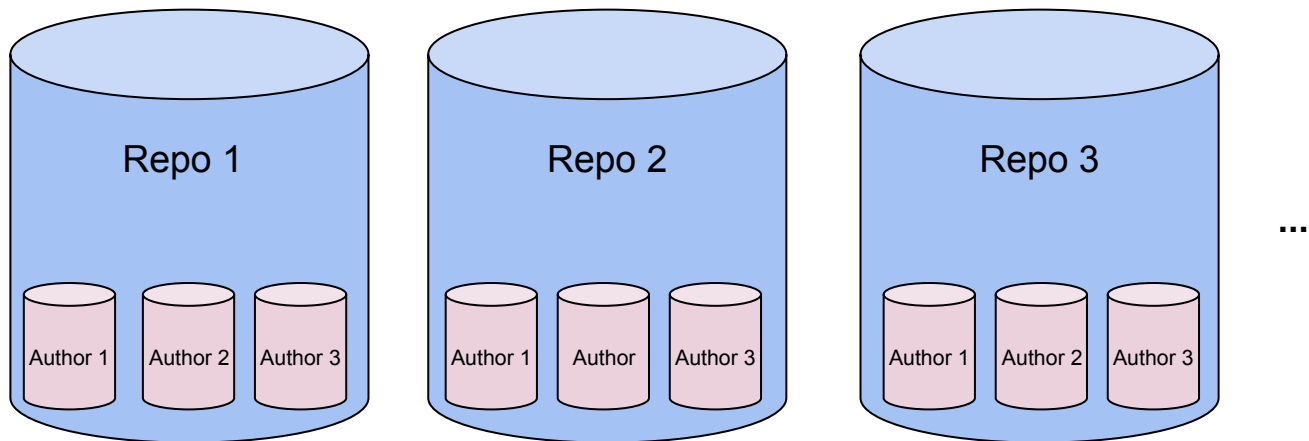


The order is important:

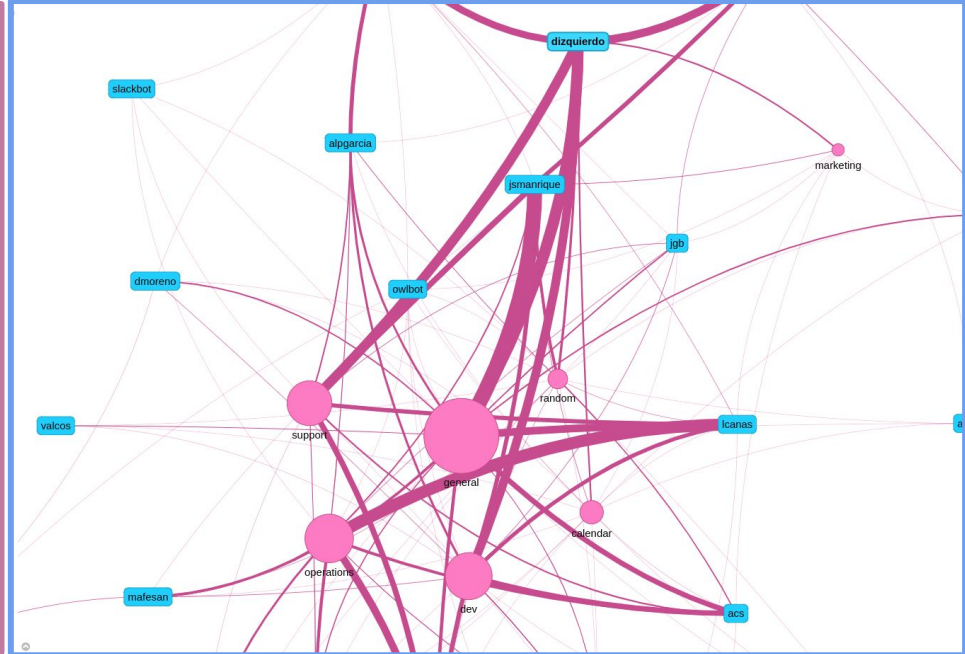
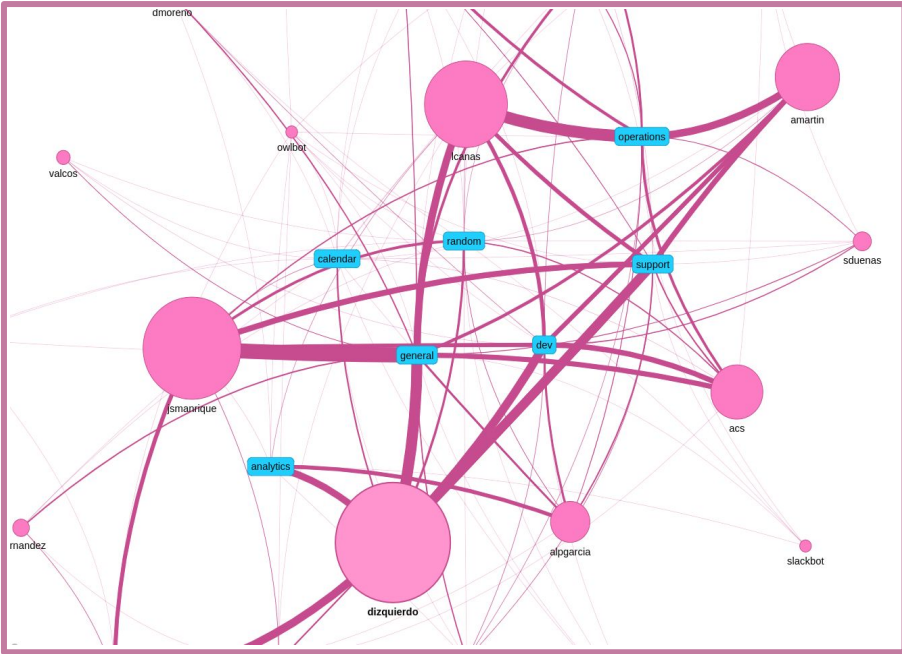
buckets

▶ Node	repo_name: Descending	☐	⏴	✕
▶ Node	Author_name: Descending	☐	⏴	✕

Add sub-buckets



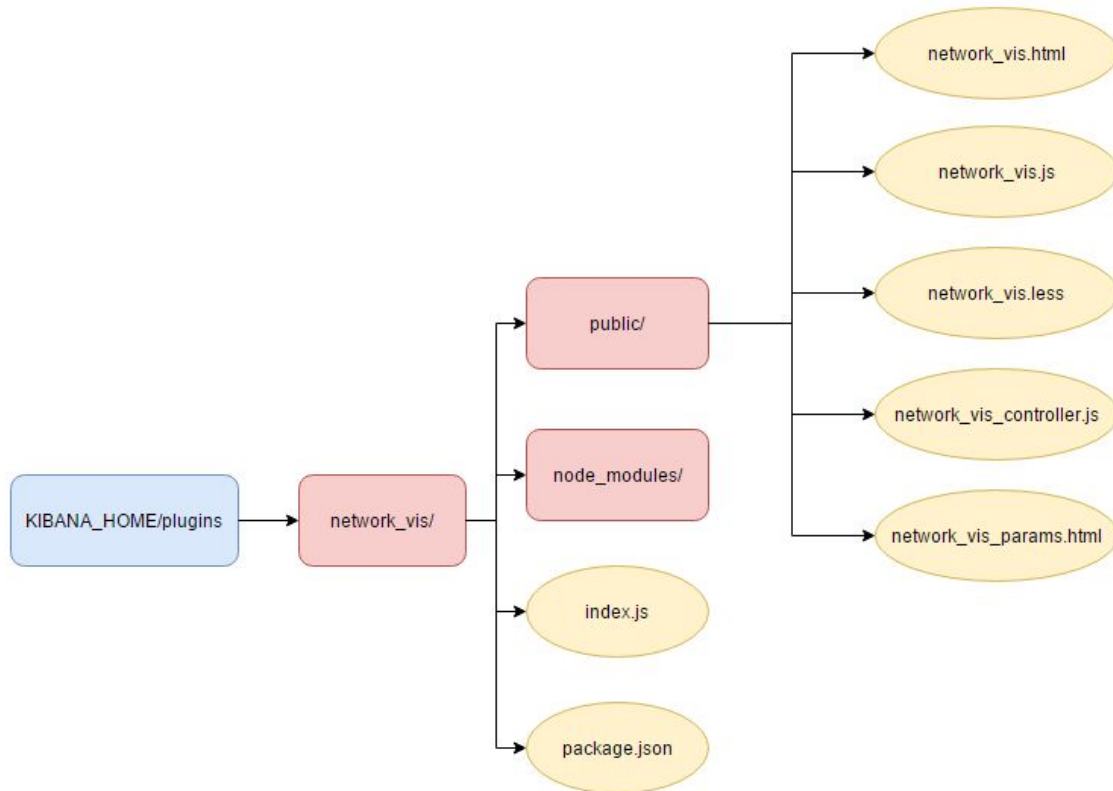
/aggregations



Structure

How a plugin is done

/structure



Use cases

/outline

Main developers of the community

Network structure over time

Building Teams

Bridges

