BroadWorks Dashboards and Discovery

Kibana Dashboards Installation Instructions

Document Version 1.0

Content

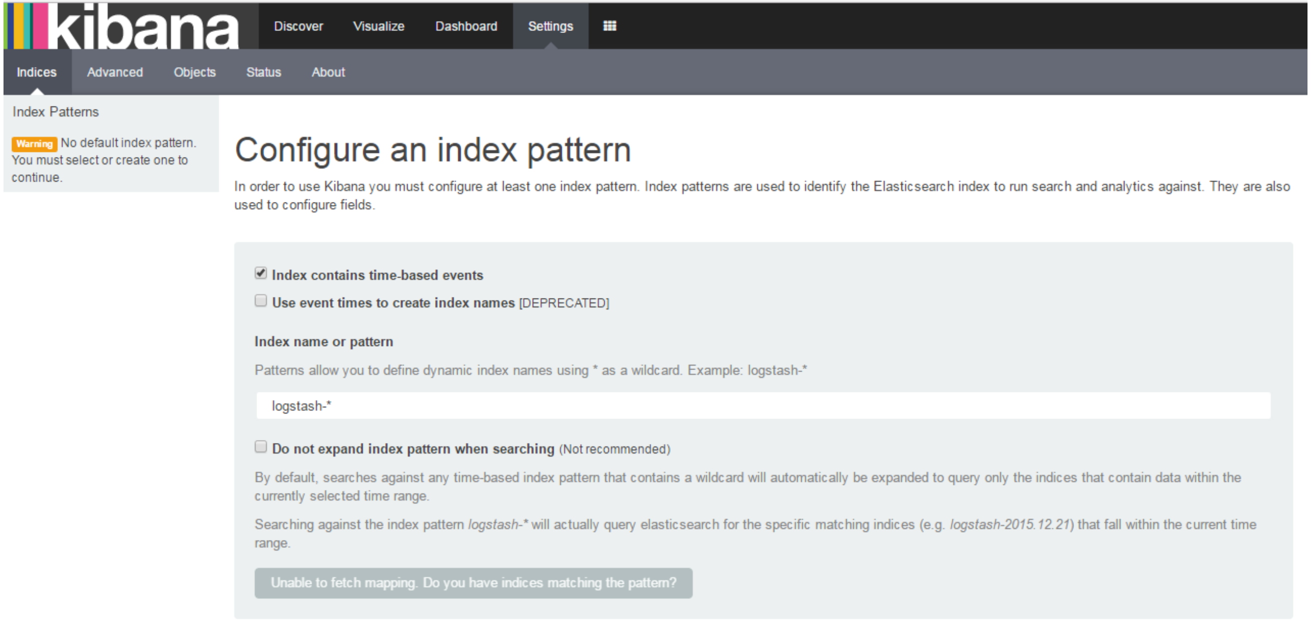
This document contains instructions to configure Kibana and import the sample visualizations contains in file “BroadWorks Dashboards x.x”.

These instructions assume that Elasticsearch is installed, functional and collecting data from BroadWorks. Kibana should also be installed with its default configuration.

Table of Contents

1. Create the Index Patterns on Kibana

Upon entering a new instance of Kibana the following screen will be presented prompting you to configure the index patterns:



Index Patterns

Warning No default index pattern. You must select or create one to continue.

Configure an index pattern

In order to use Kibana you must configure at least one index pattern. Index patterns are used to identify the Elasticsearch index to run search and analytics against. They are also used to configure fields.

☑ **Index contains time-based events**

☐ **Use event times to create index names** [DEPRECATED]

Index name or pattern

Patterns allow you to define dynamic index names using * as a wildcard. Example: logstash-*

logstash-*

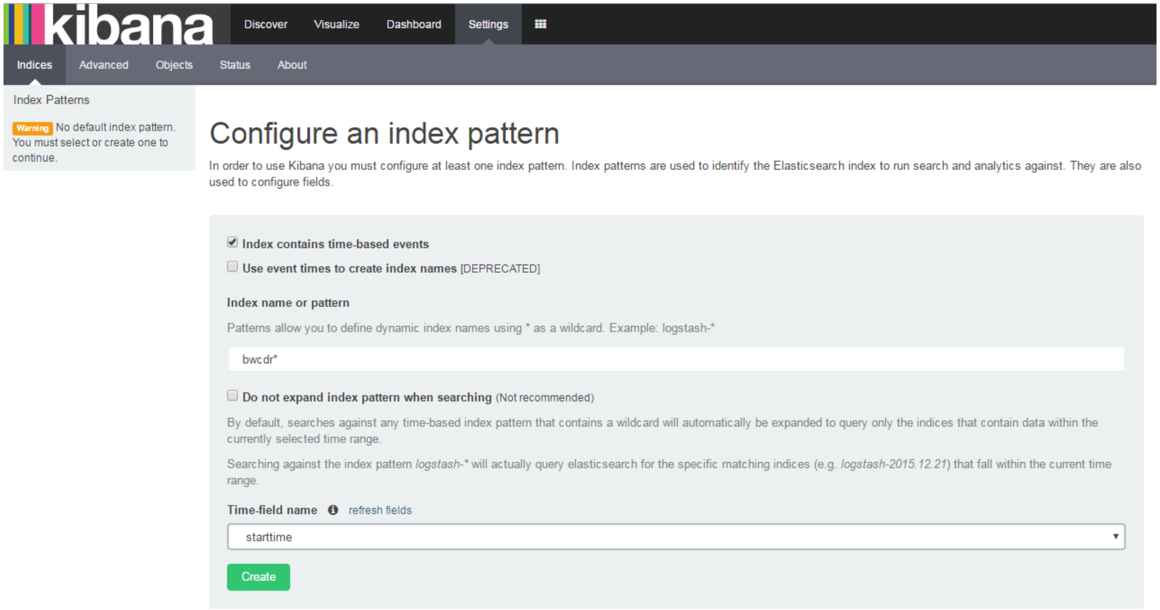
☐ **Do not expand index pattern when searching** (Not recommended)

By default, searches against any time-based index pattern that contains a wildcard will automatically be expanded to query only the indices that contain data within the currently selected time range.

Searching against the index pattern *logstash-** will actually query elasticsearch for the specific matching indices (e.g. *logstash-2015.12.21*) that fall within the current time range.

Unable to fetch mapping. Do you have indices matching the pattern?

a. Configure bwcdr* index pattern as follows:



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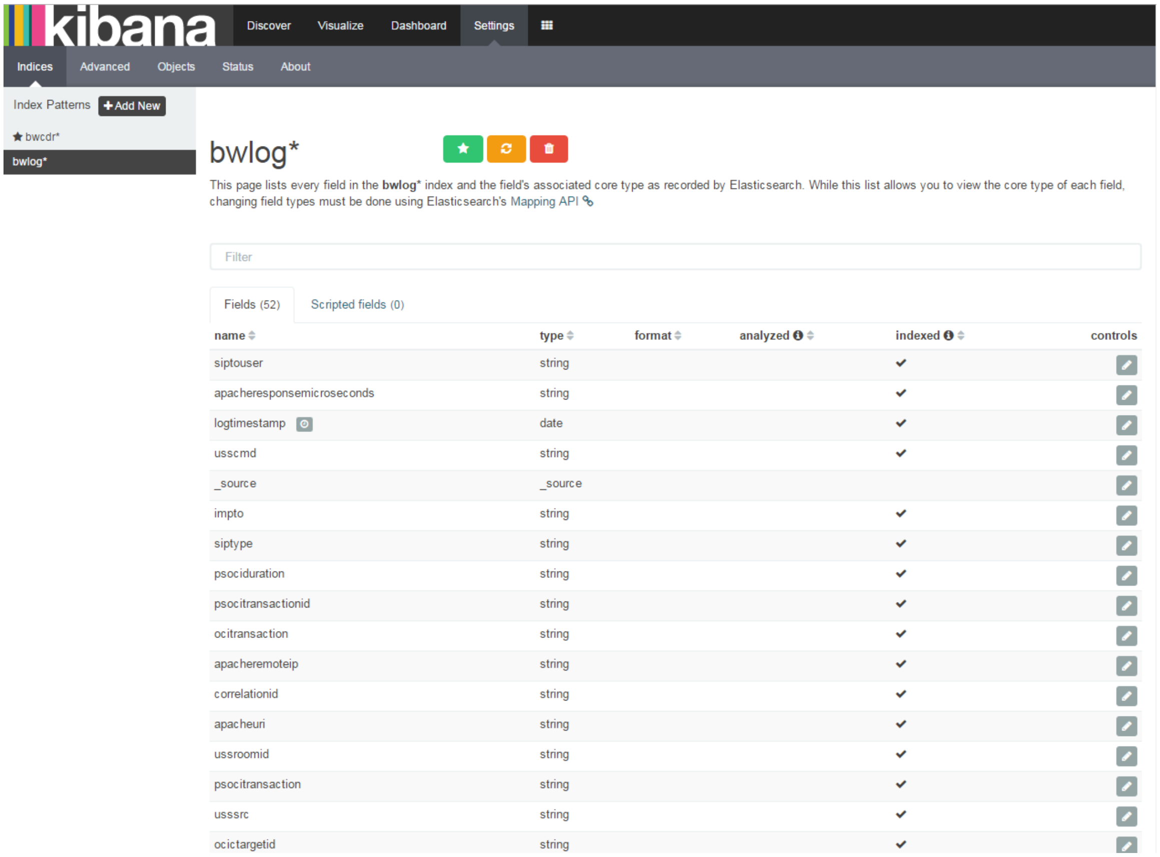
Time-field name refresh fields

starttime

Click “Create”:



bwlog*

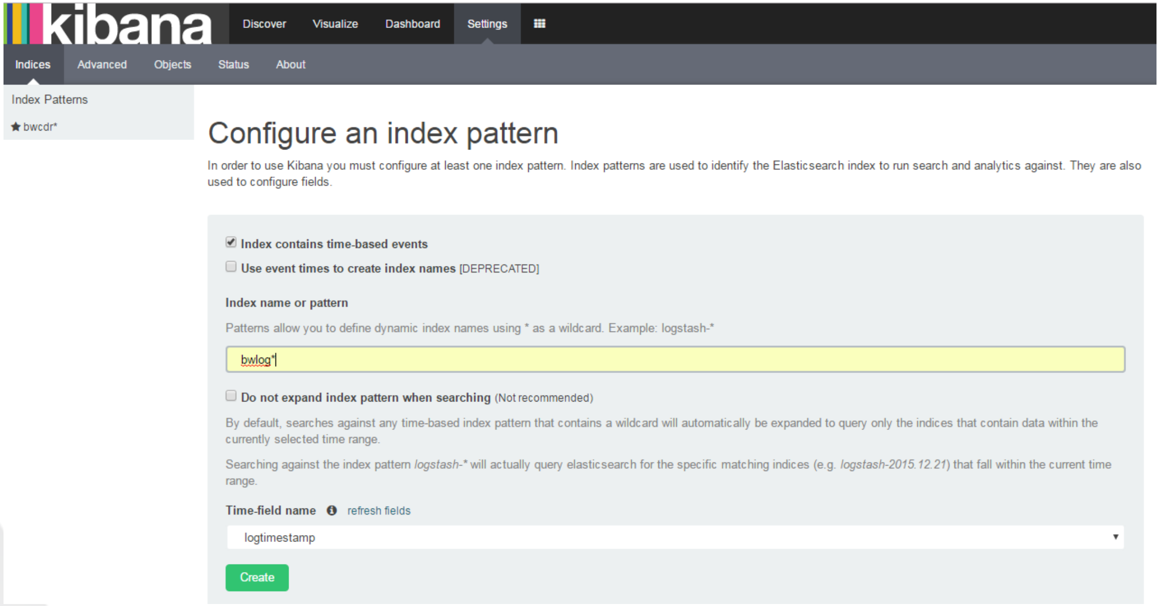
This page lists every field in the **bwlog*** index and the field's associated core type as recorded by Elasticsearch. While this list allows you to view the core type of each field, changing field types must be done using Elasticsearch's Mapping API

Filter

Fields (52) Scripted fields (0)

name	type	format	analyzed	indexed	controls
siptouser	string			✓	
apacheresponsemicroseconds	string			✓	
logtimestamp	date			✓	
usscmd	string			✓	
_source	_source				
impto	string			✓	
siptype	string			✓	
psociduration	string			✓	
psocitransactionid	string			✓	
ocitransaction	string			✓	
apacheremoteip	string			✓	
correlationid	string			✓	
apacheuri	string			✓	
ussroomid	string			✓	
psocitransaction	string			✓	
usssrc	string			✓	
ocictargetid	string			✓	

b. Configure bwlog* index pattern. Click “+Add New”:



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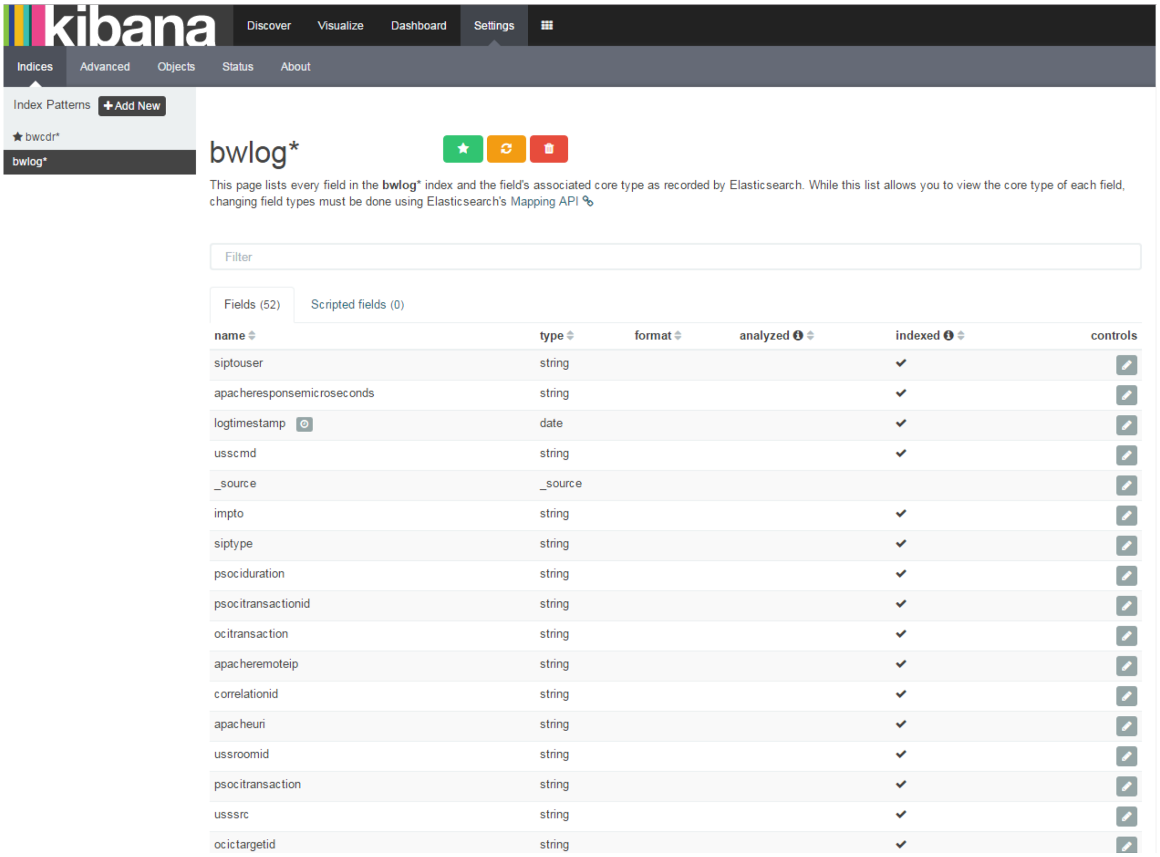
Time-field name refresh fields

logtimestamp

Create

Click “Create”:



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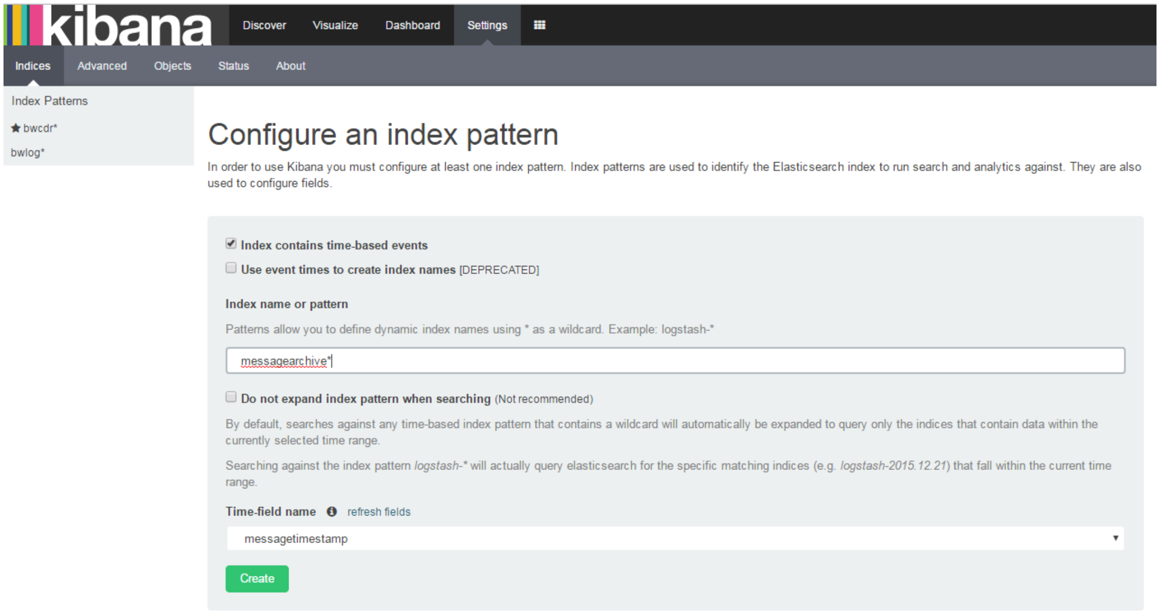
Fields (52) Scripted fields (0)

name	type	format	analyzed	indexed	controls
siptouser	string			✓	
apacheresponsemicroseconds	string			✓	
logtimestamp	date			✓	
usscmd	string			✓	
_source	_source				
impto	string			✓	
siptype	string			✓	
psociduration	string			✓	
psocitransactionid	string			✓	
ocitransaction	string			✓	
apacheremoteip	string			✓	
correlationid	string			✓	
apacheuri	string			✓	
ussroomid	string			✓	
psocitransaction	string			✓	
usssrc	string			✓	
ocictargetid	string			✓	

c. Configure messagearchive* index pattern. Click “+Add New”:



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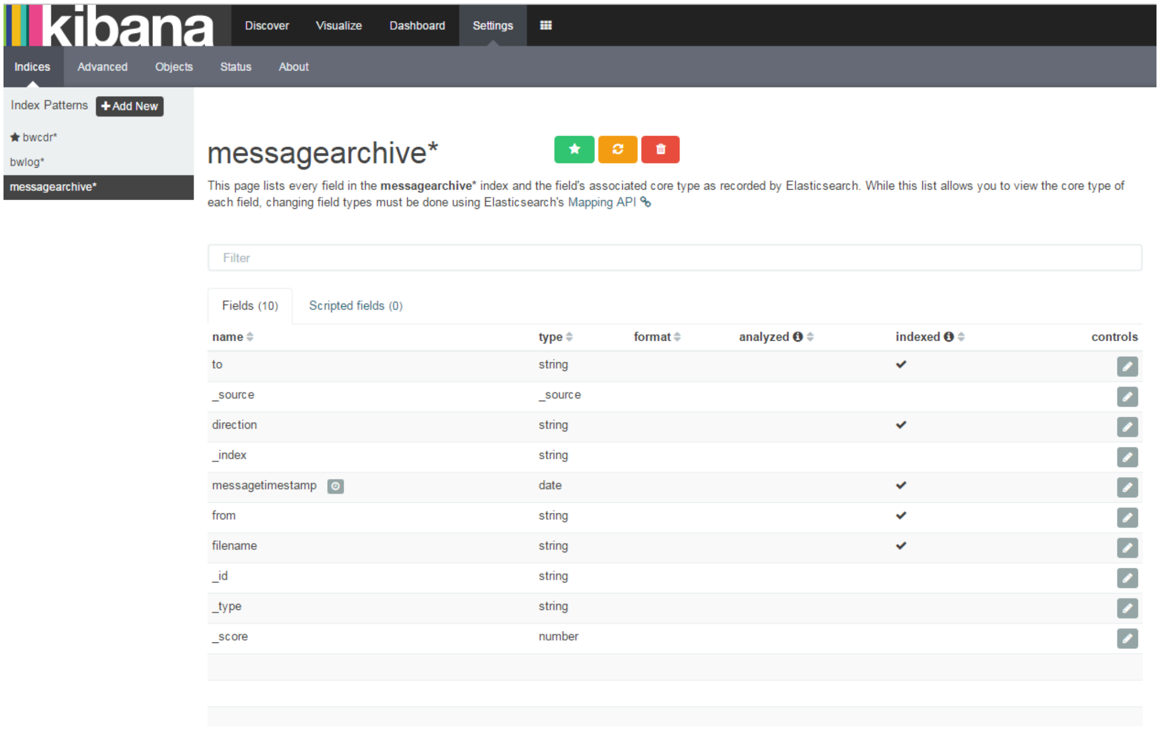
Time-field name refresh fields

messagetimestamp

Click “Create”:



messagearchive*

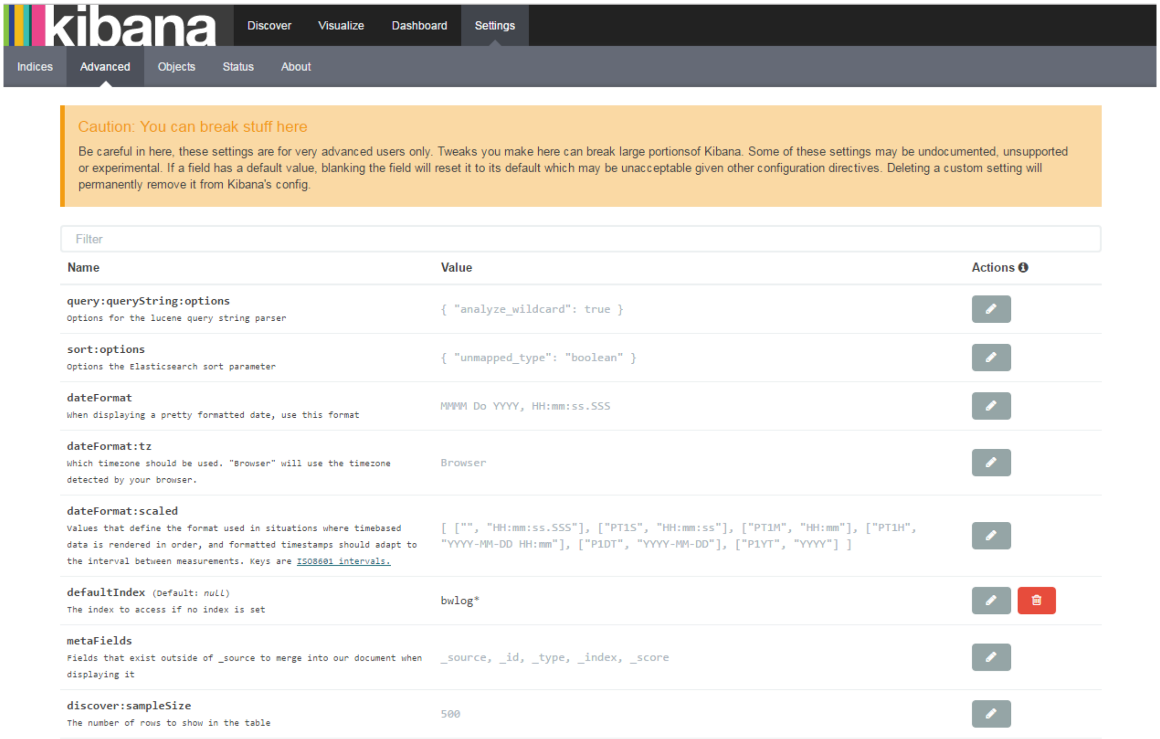
This page lists every field in the **messagearchive*** index and the field's associated core type as recorded by Elasticsearch. While this list allows you to view the core type of each field, changing field types must be done using Elasticsearch's Mapping API

Fields (10) Scripted fields (0)

name	type	format	analyzed	indexed	controls
to	string			✓	✎
_source	_source				✎
direction	string			✓	✎
_index	string				✎
messagetimestamp	date			✓	✎
from	string			✓	✎
filename	string			✓	✎
_id	string				✎
_type	string				✎
_score	number				✎

2. Configure lucene string parser

a. Click “Settings”, click “Advanced”

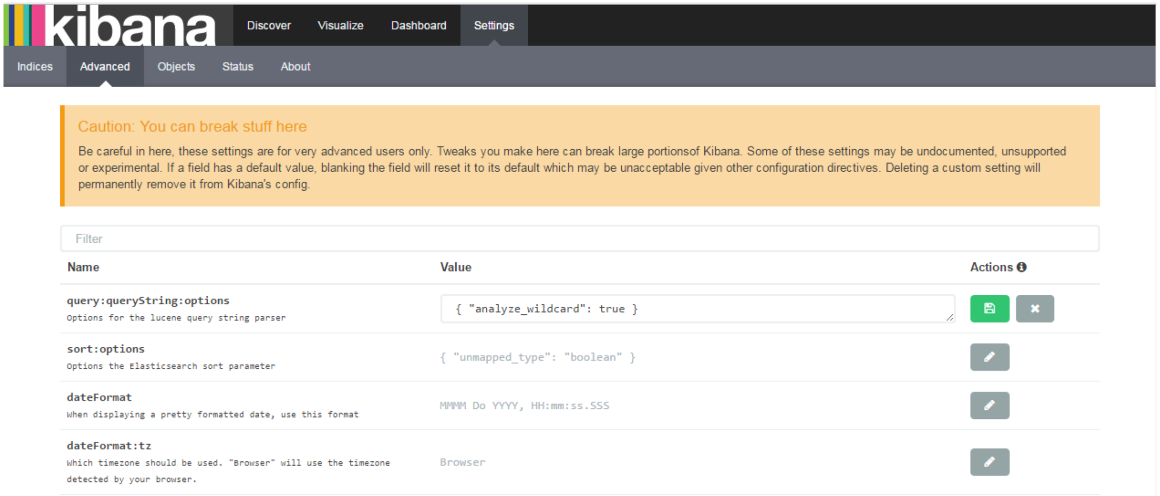


Caution: You can break stuff here

Be careful in here, these settings are for very advanced users only. Tweaks you make here can break large portionsof Kibana. Some of these settings may be undocumented, unsupported or experimental. If a field has a default value, blanking the field will reset it to its default which may be unacceptable given other configuration directives. Deleting a custom setting will permanently remove it from Kibana's config.

Name	Value	Actions
query:queryString:options Options for the lucene query string parser	{ "analyze_wildcard": true }	
sort:options Options the Elasticsearch sort parameter	{ "unmapped_type": "boolean" }	
dateFormat When displaying a pretty formatted date, use this format	MMMM Do YYYY, HH:mm:ss.SSS	
dateFormat:tz Which timezone should be used. "Browser" will use the timezone detected by your browser.	Browser	
dateFormat:scaled Values that define the format used in situations where timebased data is rendered in order, and formatted timestamps should adapt to the interval between measurements. Keys are ISO8601 intervals.	[["", "HH:mm:ss.SSS"], ["PT1S", "HH:mm:ss"], ["PT1M", "HH:mm"], ["PT1H", "YYYY-MM-DD HH:mm"], ["P1DT", "YYYY-MM-DD"], ["P1YT", "YYYY"]]	
defaultIndex (Default: *null*) The index to access if no index is set	bwlog*	
metaFields Fields that exist outside of _source to merge into our document when displaying it	_source, _id, _type, _index, _score	
discover:sampleSize The number of rows to show in the table	500	

b. Click Edit icon for **`query:queryString:options`** `(Default: `*`{ "analyze_wildcard": true }`*`)`
`Options for the lucene query string parser`



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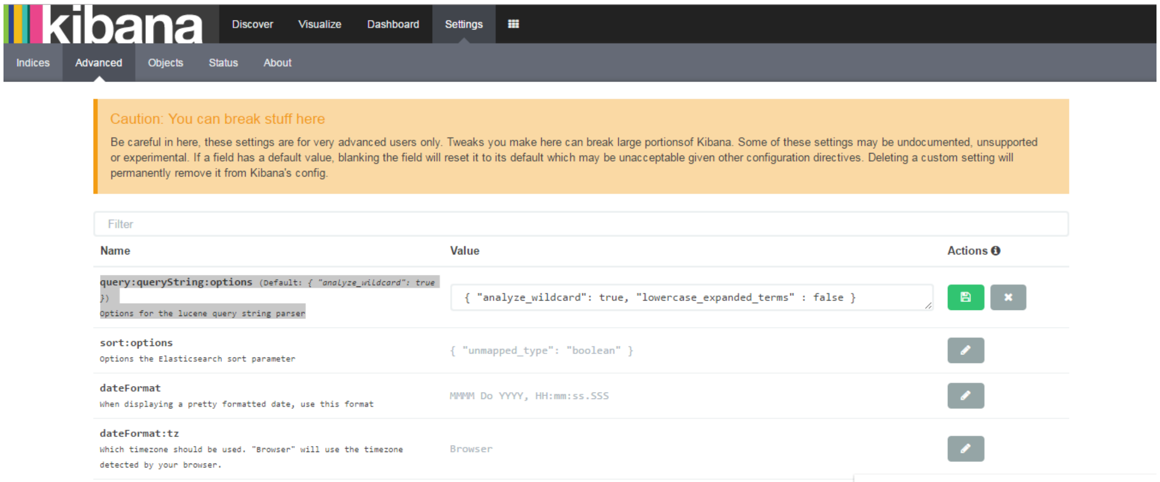
dateFormat:tz Which timezone should be used. "Browser" will use the timezone detected by your browser.	Browser	

Enter the following value: { "analyze_wildcard": true, "lowercase_expanded_terms" : false } and click the Save icon



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sort:options Options the Elasticsearch sort parameter	{ "unmapped_type": "boolean" }	
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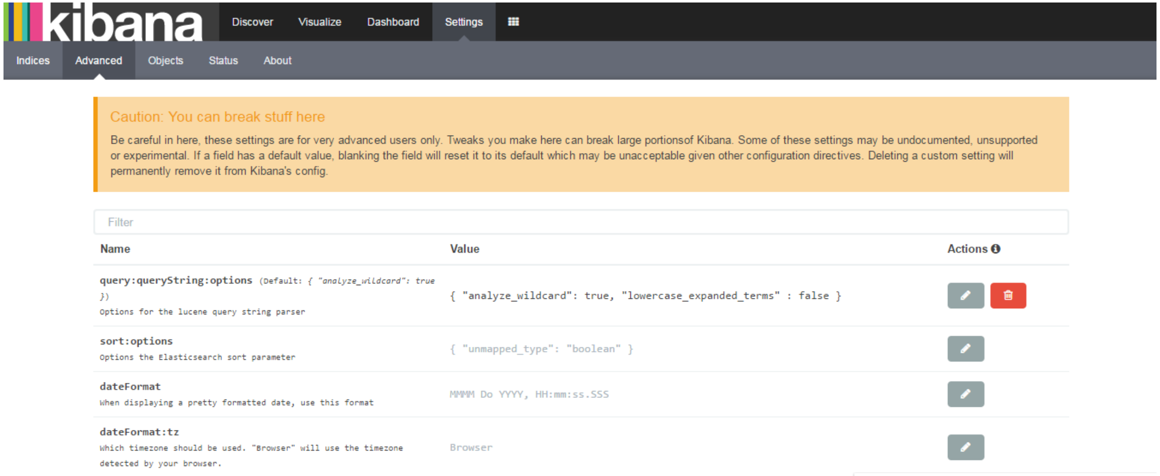
dateFormat:tz Which timezone should be used. "Browser" will use the timezone detected by your browser.	Browser	

Which results in the following screen:



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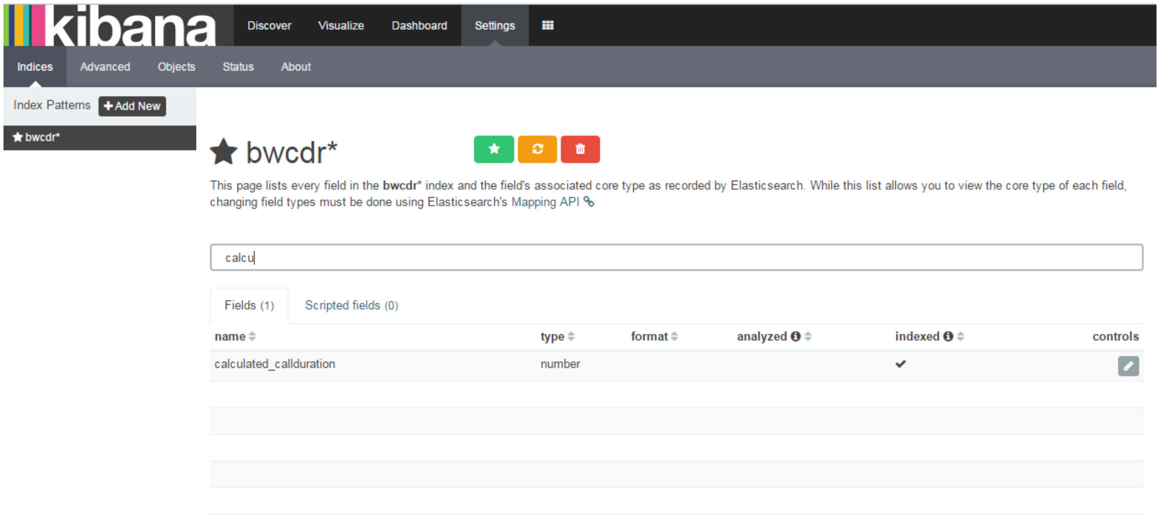
dateFormat When displaying a pretty formatted date, use this format	MMMM Do YYYY, HH:mm:ss.SSS	
dateFormat:tz Which timezone should be used. "Browser" will use the timezone detected by your browser.	Browser	

3. Change calculated_callduration format (optional).

By default the calculated_callduration will be displayed in seconds. To display in hours:minutes:seconds (hh:mm:ss):

a. Click “Settings”, then “Indices”, and start entering “calcu” in filter box:



★ bwcdr*

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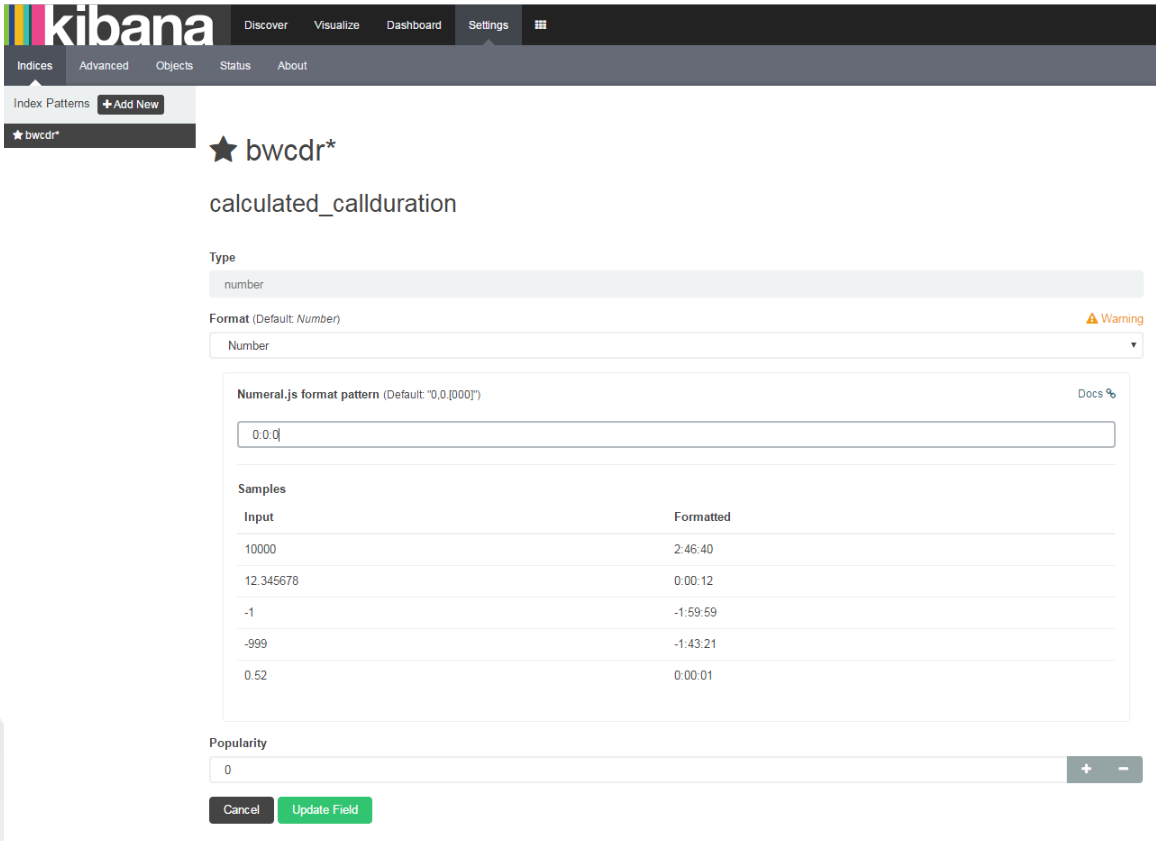
calcu

Fields (1) Scripted fields (0)

name	type	format	analyzed	indexed	controls
calculated_callduration	number			✓	

b. Click the edit icon under “controls” and enter “0:0:0” in the edit box below ”**Numeral.js format pattern** (Default: "0,0.[000]")”. Click “Update Field”



★ bwcdr*

calculated_callduration

Type

number

Format (Default: *Number*) ⚠ Warning

Number

Numeral.js format pattern (Default: "0,0.[000]")

0:0:0

Samples

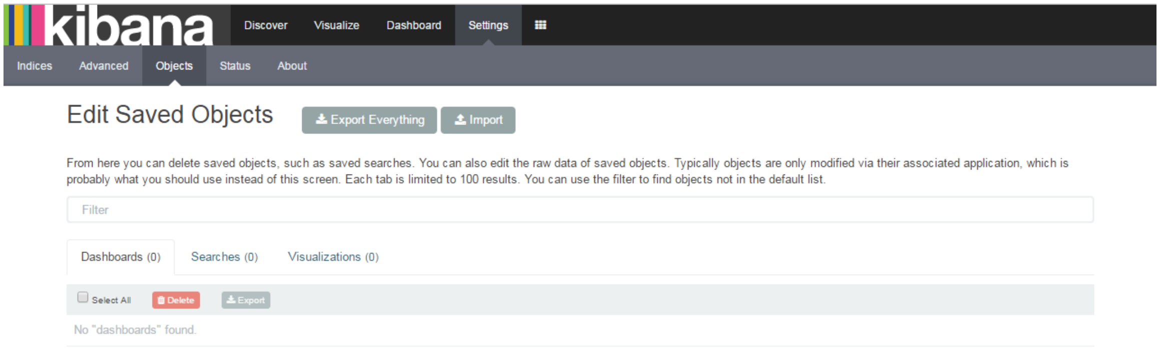
Input	Formatted
10000	2:46:40
12.345678	0:00:12
-1	-1:59:59
-999	-1:43:21
0.52	0:00:01

Popularity

0

4. Import Dashboards

a. Go to “Settings”, click “Objects”, Click “Import”

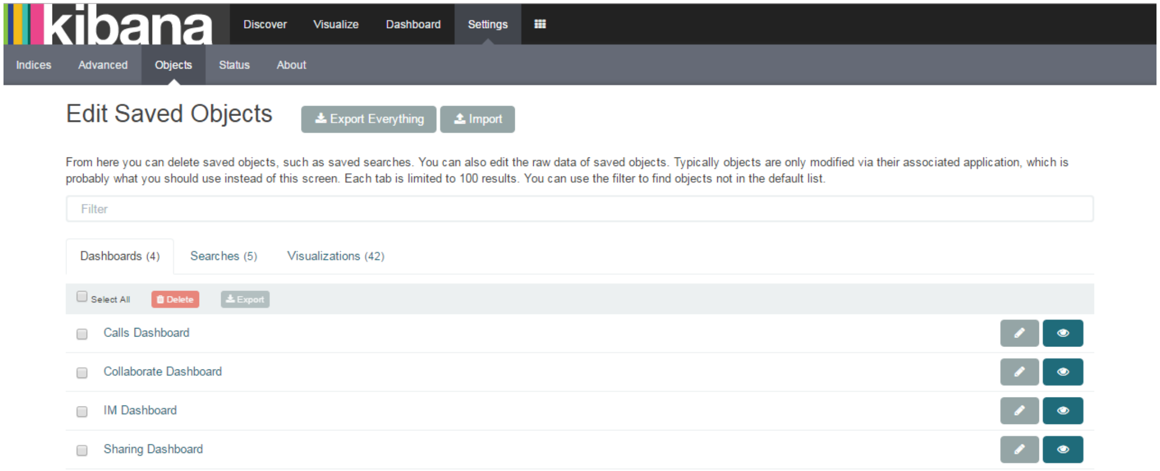


Edit Saved Objects

From here you can delete saved objects, such as saved searches. You can also edit the raw data of saved objects. Typically objects are only modified via their associated application, which is probably what you should use instead of this screen. Each tab is limited to 100 results. You can use the filter to find objects not in the default list.

No "dashboards" found.

b. Locate file “Broadworks Dashboards 1.0”, click Open. When import completes, the following screen should result:



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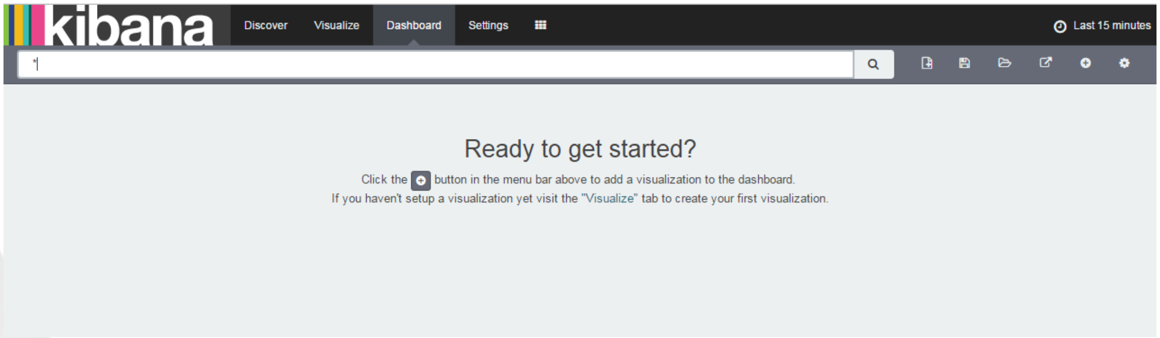
- □ Calls Dashboard
- □ Collaborate Dashboard
- □ IM Dashboard
- □ Sharing Dashboard

5. Start Dashboards

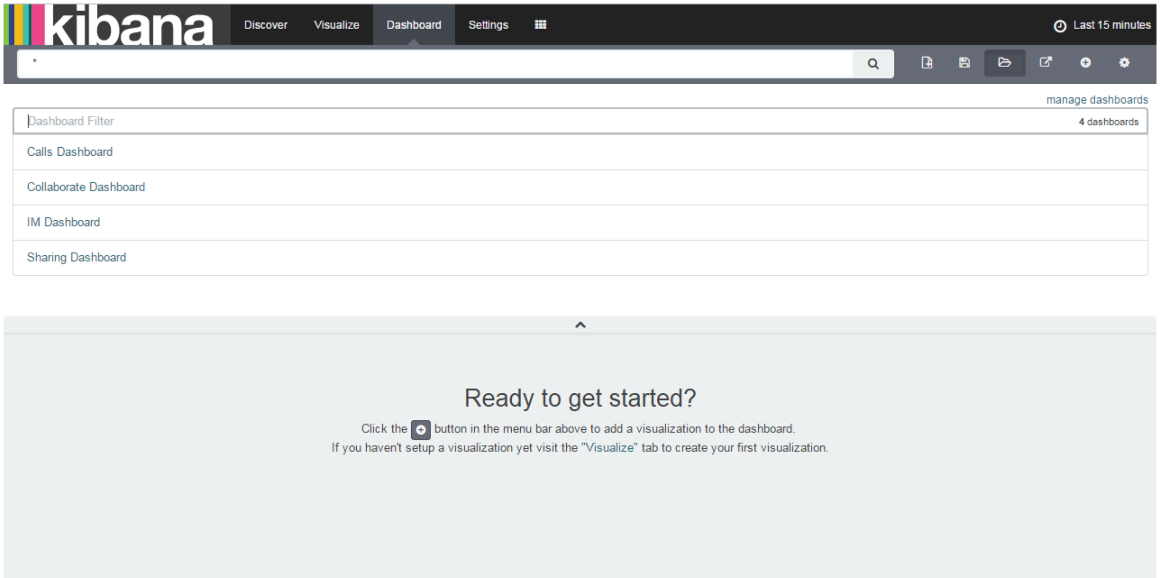
a. Click “Dashboard”



Ready to get started?

Click the ⊕ button in the menu bar above to add a visualization to the dashboard.
If you haven't setup a visualization yet visit the "Visualize" tab to create your first visualization.

b. Click file open icon:



Calls Dashboard

Collaborate Dashboard

IM Dashboard

Sharing Dashboard

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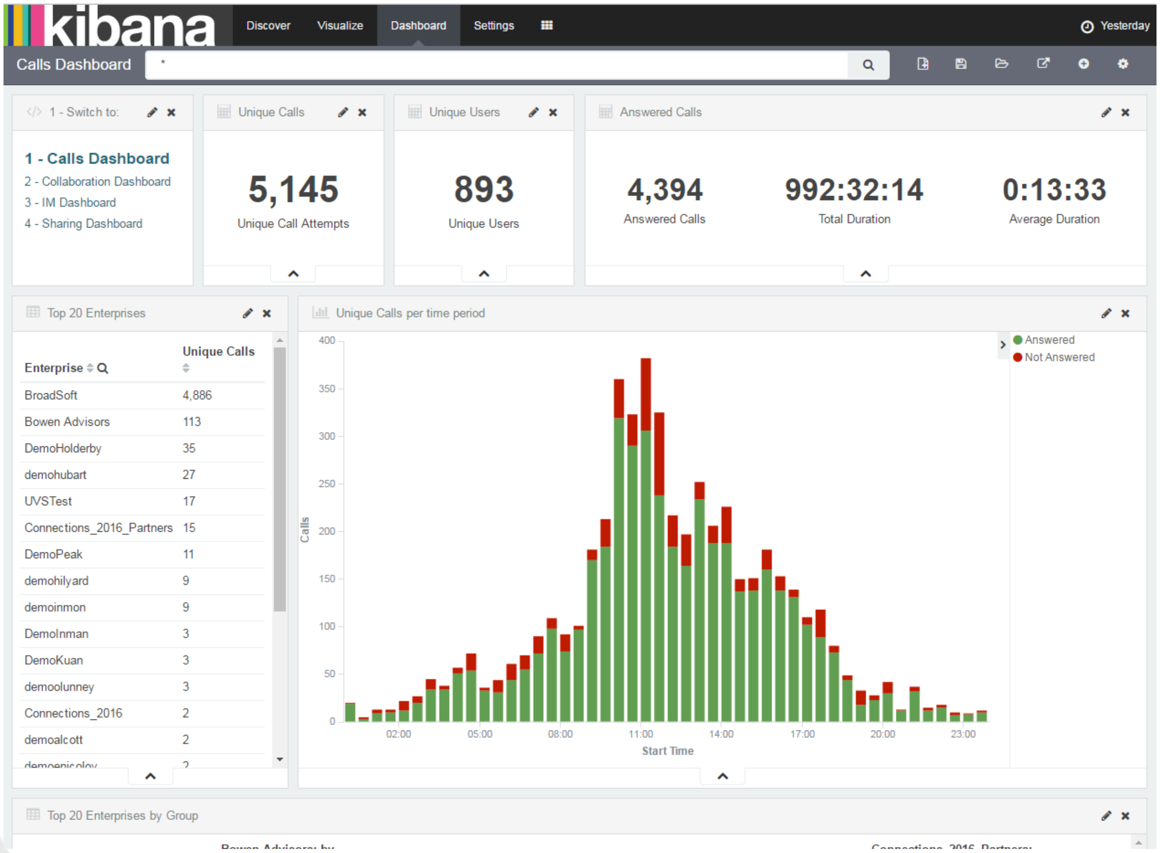
c. Click "Calls Dashboard"



1 - Calls Dashboard
2 - Collaboration Dashboard
3 - IM Dashboard
4 - Sharing Dashboard

5,145
Unique Call Attempts

893
Unique Users

4,394
Answered Calls

992:32:14
Total Duration

0:13:33
Average Duration

Enterprise	Unique Calls
BroadSoft	4,886
Bowen Advisors	113
DemoHolderby	35
demohubart	27
UVSTest	17
Connections_2016_Partners	15
DemoPeak	11
demohilyard	9
demoinmon	9
DemoInman	3
DemoKuan	3
demoolunney	3
Connections_2016	2
demoalcott	2
demoenicolov	2

And you're done! You can switch dashboards by selecting it in the upper left menu.