



easyBI

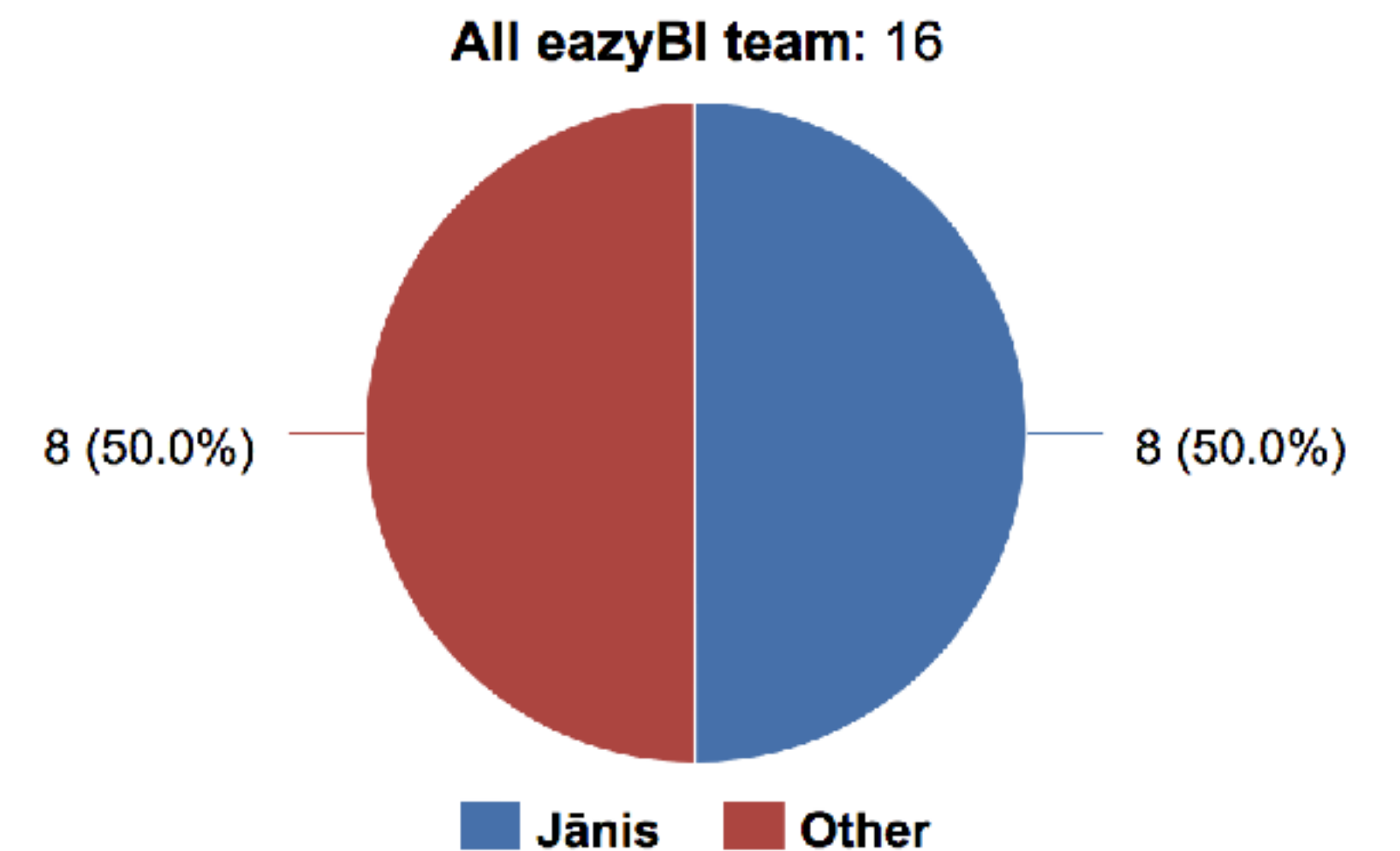
for Other Data Sources

Jānis Baiža



Jānis Baiža - Software Developer

One of my passions is Continuous Delivery





Community Days May 24-25, 2018

What are “Other data”?

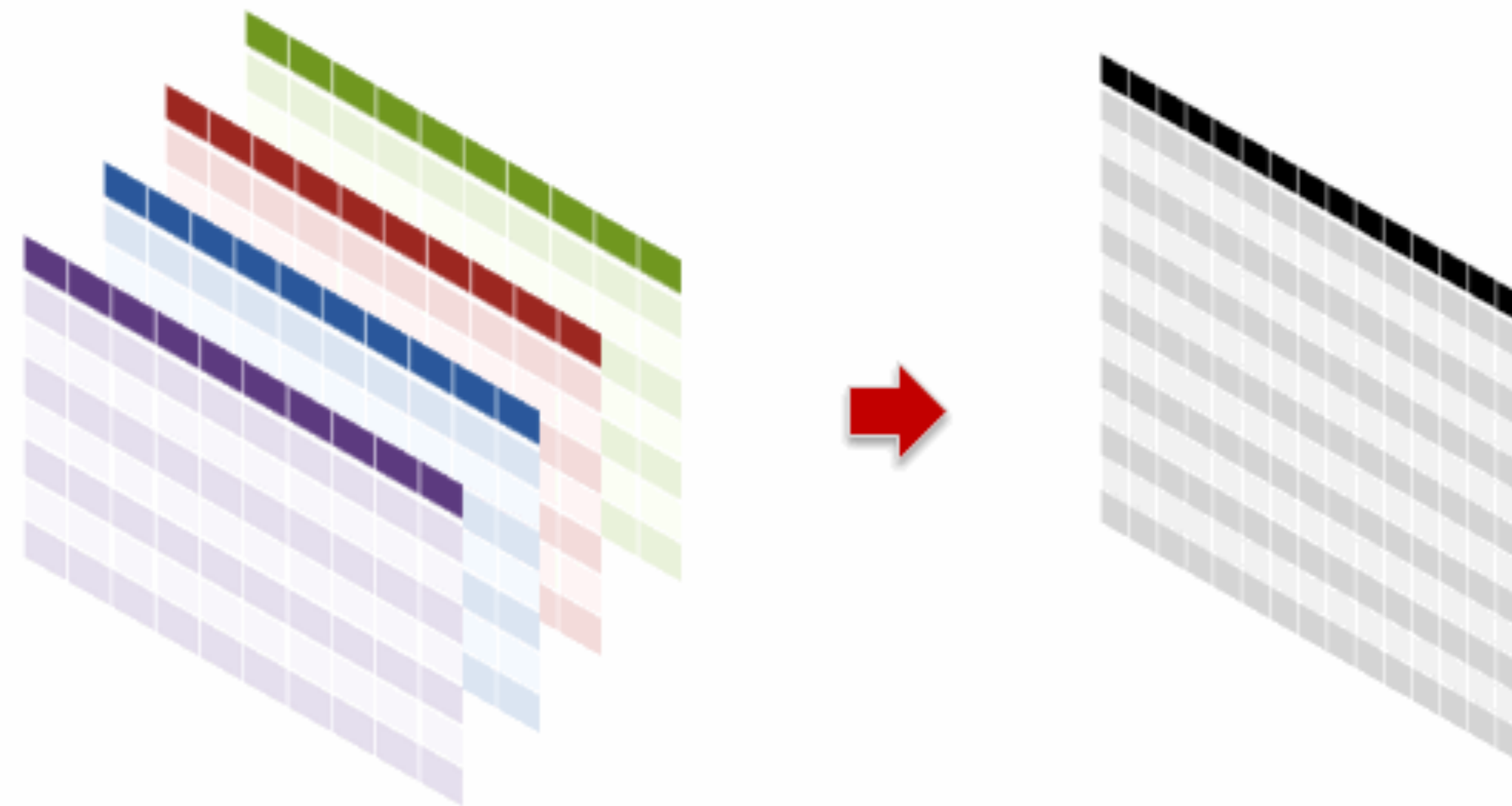
What’s supported
by eazyBI?

Real life examples
with other data
import into
eazyBI

eaZyBI INTEGRATIONS



OTHER DATA



OTHER JIRA DATA

Users

Invite users Create user

Filter users In group Application access Status Users per page

Displaying users 1 to 14 of 14

Full name	Username	Login details	Group name	Applications	Directory	Actions
Admin User	admin admin@eazybi.com	Count: 4657 Last: Today 10:20 AM	jira-administrators jira-developers jira-serviceesk-users jira-software-users jira-users	JIRA Service Desk JIRA Software	JIRA Internal Directory	Edit ...
Alana Grant	agrant-sd-demo agrant-sd-demo@example.com	Never logged in			JIRA Internal Directory	Edit ...
Adelaide Doucette	chdogpzd Adelaide.Doucette@example.com	Never logged in	jira-users	JIRA Software	JIRA Internal Directory	Edit ...
Rupert Lunde	grbdfjop Rupert.Lunde@example.com	Never logged in	jira-users	JIRA Software	JIRA Internal Directory	Edit ...
Kasha Bonetti	tyofzajgw Kasha.Bonetti@example.com	Never logged in	jira-developers jira-users	JIRA Software	JIRA Internal Directory	Edit ...
Jennifer Evans	jevans-sd-demo jevans-sd-demo@example.com	Never logged in			JIRA Internal Directory	Edit ...
Clara Oldham	jxmfvbvl Clara.Oldham@example.com	Never logged in	jira-users	JIRA Software	JIRA Internal Directory	Edit ...
Mitch Davis	mdavis-sd-demo mdavis-sd-demo@example.com	Never logged in			JIRA Internal Directory	Edit ...
Janeth Jamieson	rxgqxjnz Janeth.Jamieson@example.com	Never logged in	jira-developers jira-users	JIRA Software	JIRA Internal Directory	Edit ...

OTHER JIRA DATA

Users

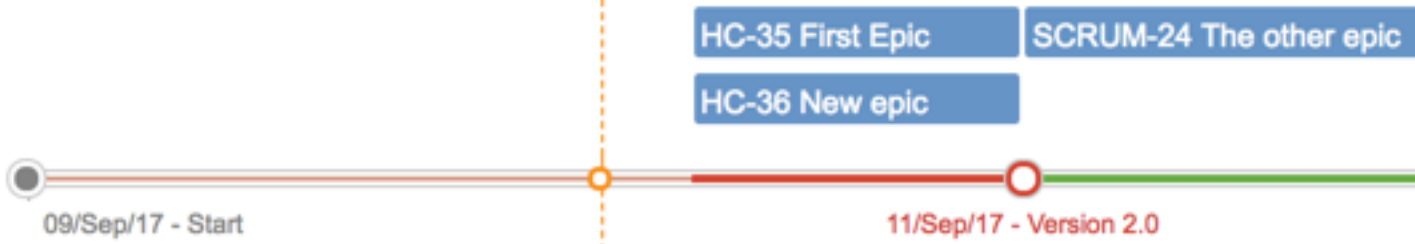
Filter users: In group: Application access: Status: Users per page:

Displaying users 1 to 14 of 14

Full name	Username	Login details	Group name	Applications	Directory	Actions
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Alana Grant	agrant-sd-demo agrant-sd-demo@example.com	Never logged in			JIRA Internal Directory	E
Adelaide Doucette	chdogpazl Adelaide.Doucette@example.com	Never logged in	jira-users	JIRA Software	JIRA Internal Directory	E
Rupert Lunde	grkofxjop Rupert.Lunde@example.com	Never logged in	jira-users	JIRA Software	JIRA Internal Directory	E
Kasha Bonetti	tyofzajgw Kasha.Bonetti@example.com	Never logged in	jira-developers jira-users	JIRA Software	JIRA Internal Directory	E
Jennifer Evans	jevans-sd-demo jevans-sd-demo@example.com	Never logged in			JIRA Internal Directory	E

Portfolio plan 1

Projects: All Releases: All Teams: All



Scope

#	Title	Releases	Estimates (d)	Original Estim...	Teams
4	HC-39 Summary for epic				
>	Issues without parent Epic	Later	4.25	2	Portfolio Team
>	1 HC-35 First Epic	Later (SCRUM), Versio...	0.75	1.63	Portfolio Team
3	HC-36 New epic	Version 2.0	1.25	5	Portfolio Team
2	SCRUM-24 The other epic	Later	10	10	Portfolio Team

[+ Create Epic](#)

Reporter Janis

Description

Folio Tempo folio (Sample)

Summary **Planned** Actual Forecast 7/Mar/17 - 22/Nov/17

Total Planned Cost (25)

Operational Expenditures (19)

Salaries (10)

Role	Rate	Hours	Cost
Business Analyst (1)	40.0000 per hour		1,496.00h
Scrum Master	40.0000		1,496.00h
Developer (2)	1.0664 per hour		1,506.00h
Any developer	1.0000		1,496.00h
Any developer	11.0000		10.00h
Tester (7)	50.0000 per hour		10,472.00h
Java developer #1	50.0000		1,496.00h
Java developer #2	50.0000		1,496.00h
Java developer #3	50.0000		1,496.00h
Java developer #4	50.0000		1,496.00h
Java Guru	50.0000		1,496.00h
Java Senior developer	50.0000		1,496.00h
PHP expert	50.0000		1,496.00h

OTHER DATA SOURCES

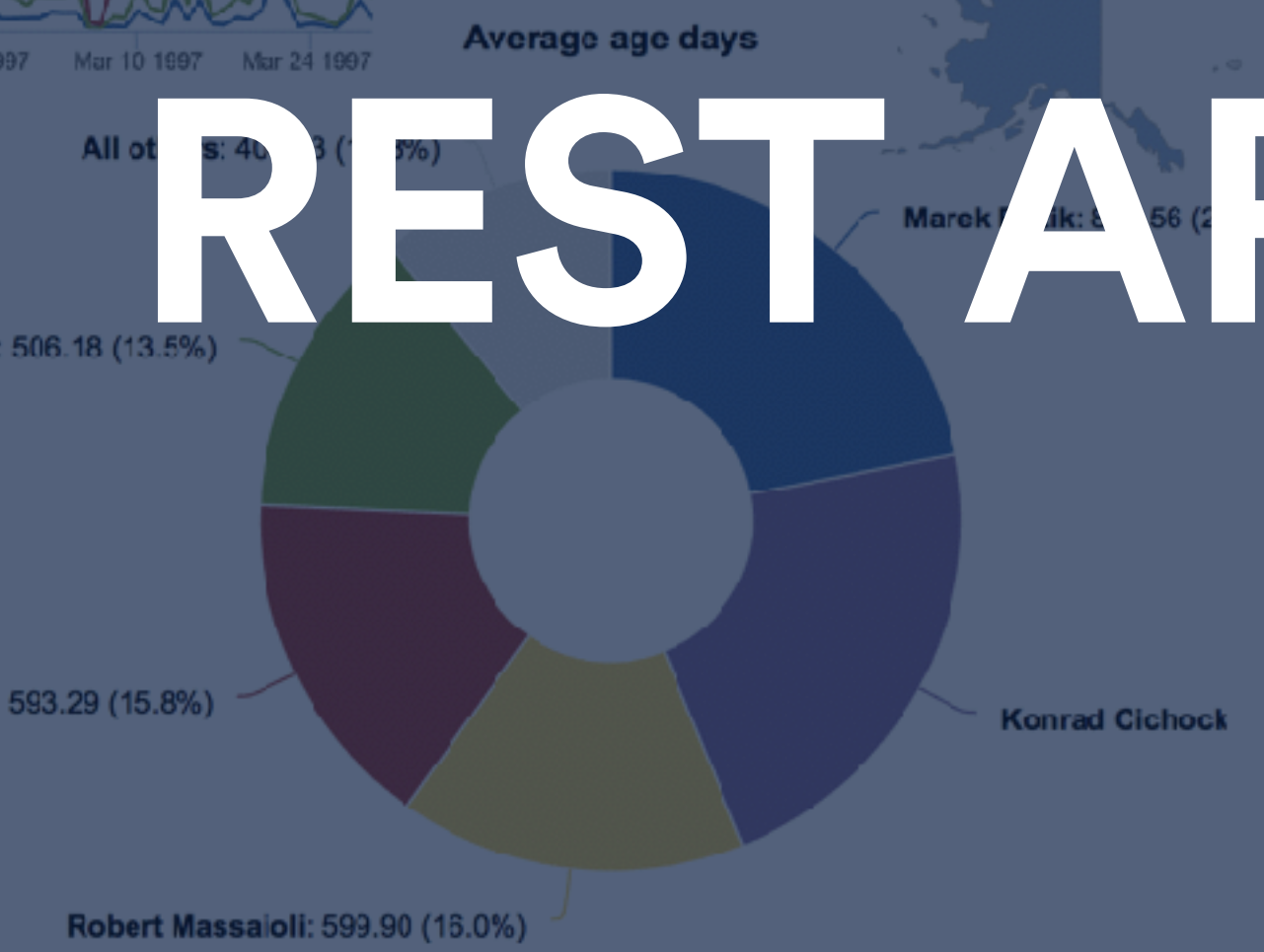
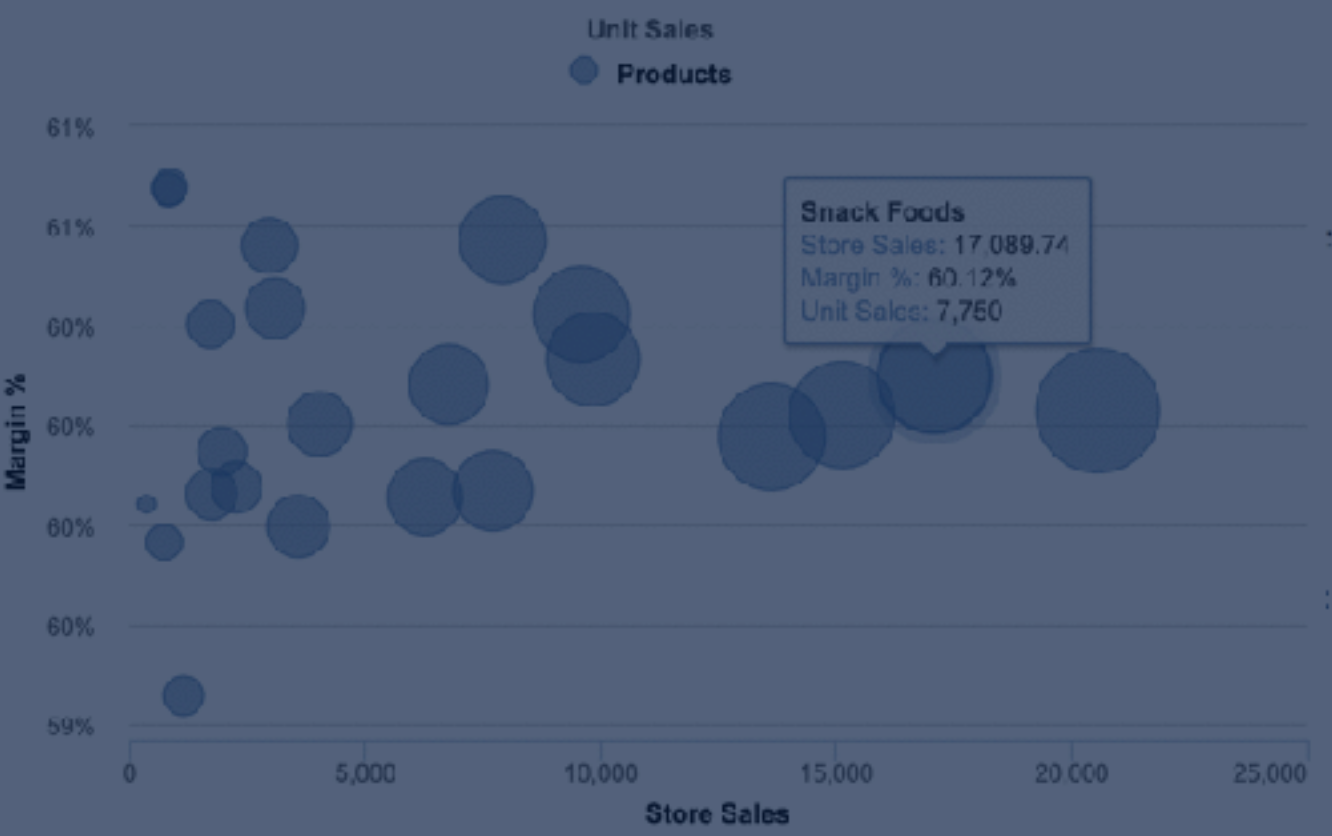
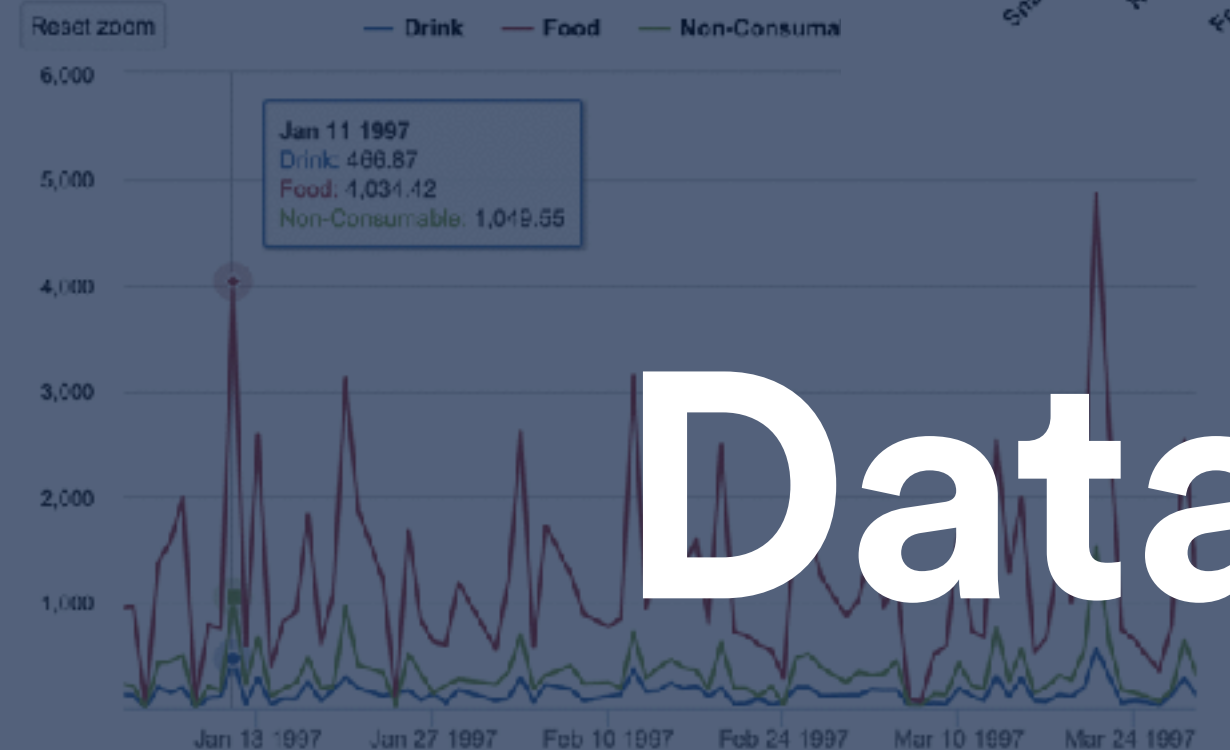
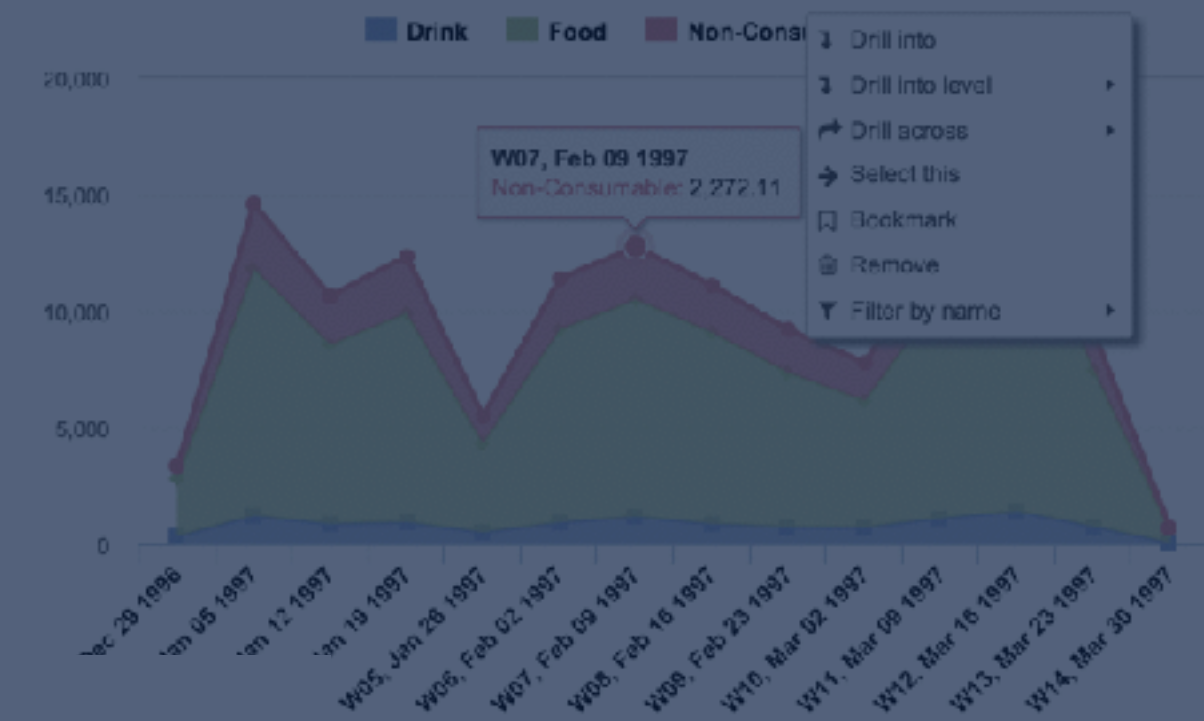


Field name:	ID	Name	Party	Net value in € (minus reductions)	Value of Donation	Alterations/Financial notes	Nature of Donation	Description of Donor
Data type:	<input type="text" value="integer"/>	<input type="text" value="string"/>	<input type="text" value="string"/>	<input type="text" value="string"/>	<input type="text" value="string"/>	<input type="text" value="string"/>	<input type="text" value="string"/>	<input type="text" value="string"/>
Dimension:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Level or Measure:								
Advanced options:								
	1	Aine Brady	Fianna Fáil	€ 2,500.00	€ 2,500		Cheque	Company
	1	Aine Brady	Fianna Fáil	€ 1,000.00	€ 1,000		Cheque	Company
	1	Aine Brady	Fianna Fáil	€ 2,000.00	€ 2,000		Cheque	Property & Construction

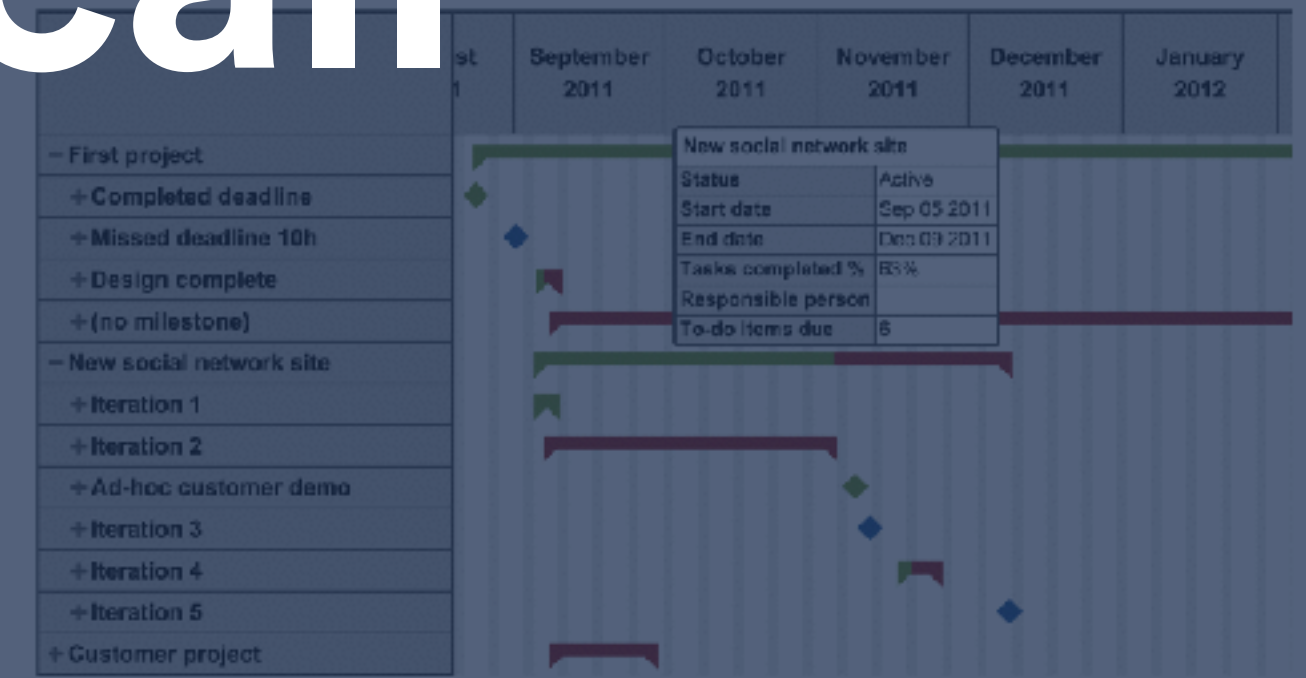
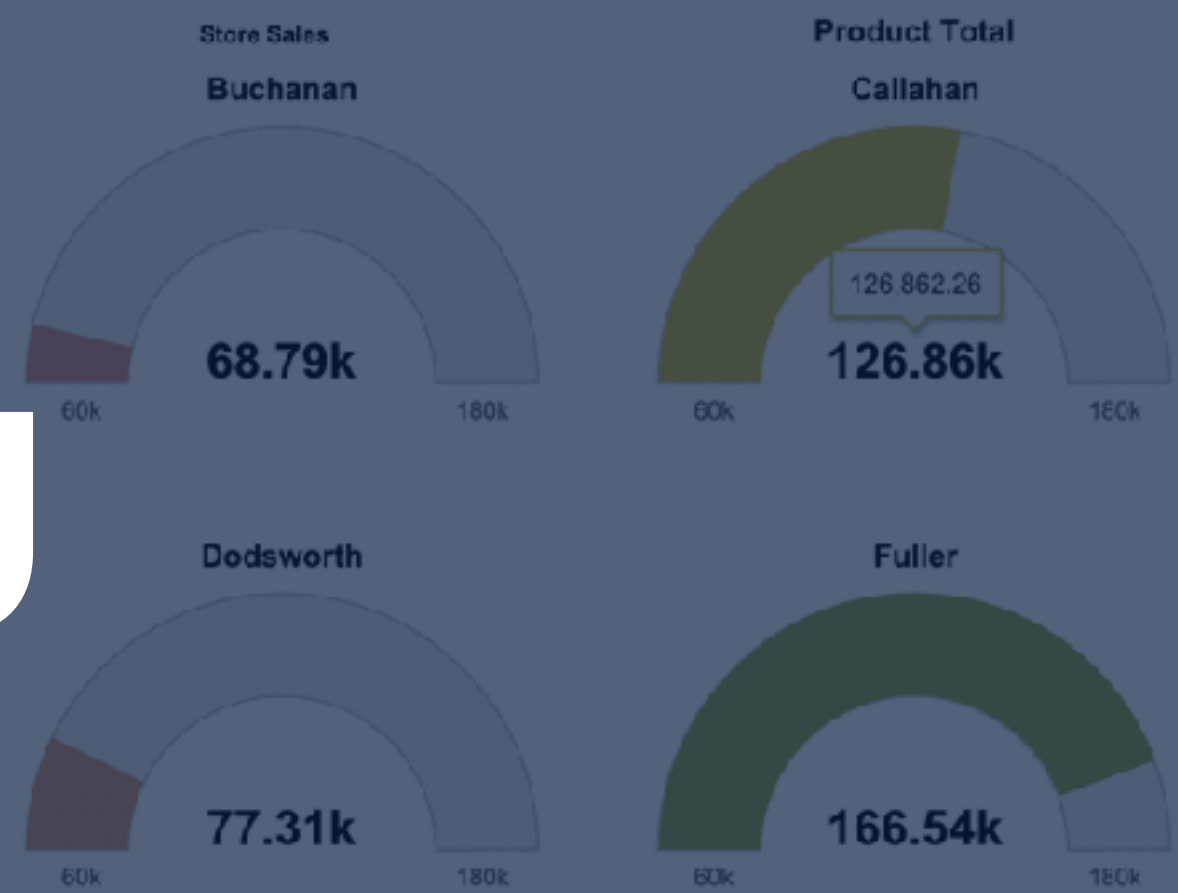
	Store Sales	Store Cost	Unit	Average
- All Customers	130,626.35	55,752.240		
- USA	130,626.35	55,752.240		
+ CA	36,175.20	14,431.085		
- OR	40,170.29	16,081.073		
+ Albany	4,491.26	1,782.817		
+ Beaverton	2,407.97	950.359		
+ Corvallis	5,695.13	2,281.248		
+ Lake Oswego	2,262.56	907.8483	1,102	6.41
+ Lebanon	5,934.62	2,390.0872	2,825	6.49
+ Milwaukie	2,802.32	1,155.6025	1,345	6.02
+ Oregon City	2,324.62	929.0752	1,113	6.55
+ Portland	2,122.12	847.5187	1,001	6.65
+ Salem	4,251.81	1,697.8039	2,104	6.28
+ W. Linn	2,181.81	871.0418	1,041	6.59

- Drill across
- Select this
- Remove
- Order by
- Top rows
- Bottom rows
- Filter rows
- Call formatting

- Year
- Quarter
- Month
- Day
- Weekly
- Year
- Week
- Day
- Fiscal
- Year
- Quarter
- Month
- Day



Demo: Data import using REST API call



CONFLUENCE DATA IMPORT



SPACE SHORTCUTS

- [eazyBI for Jira](#)
- [Private eazyBI](#)
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PAGE TREE

- Getting Started
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 - Import from SQL SELECT
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 - Calculated Members
 - Account Administration
 - Embedded Reports

Pages / eazyBI Documentation / Source Data Import

Data Mapping

If you import your data from CSV, MS Excel, SQL databases, Google Sheets or REST API, you will have to map your data columns to eazyBI data cube.

Data mapping is the process where you assign "data columns" from imported data to **Dimensions**, **Measures**, and **Properties** of a multi-dimensional **data cube** (for supported applications it is done automatically so you don't have to).

Simply put "Dimensions" are different ways to see your data (i.e., by month, by the company, by type, etc.), but "Measures" are the numerical facts describing those dimensions (i.e., revenue by month). Properties are dimension member attributes which can be added and further used in the reports if those dimension members are displayed in the report.

There are a few simple rules you have to follow while mapping your data:

Rule #1 – At Least One Measure

_category	product_subcategory	brand_name	product_name	the_date	store_sales	store_cost	unit_sales
	string	string	string	date	decimal	decimal	integer
	Products				Measures	Measures	Measures
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There must be AT LEAST ONE "Measure" (a "Dimension" with a name "Measures"), holding decimal or integer values. You can have more than one "Measure," but remember to give each of them a unique name in the "Level or Measure" row. [Read more...](#)

Rule #2 – Only One Time Dimension

On this page

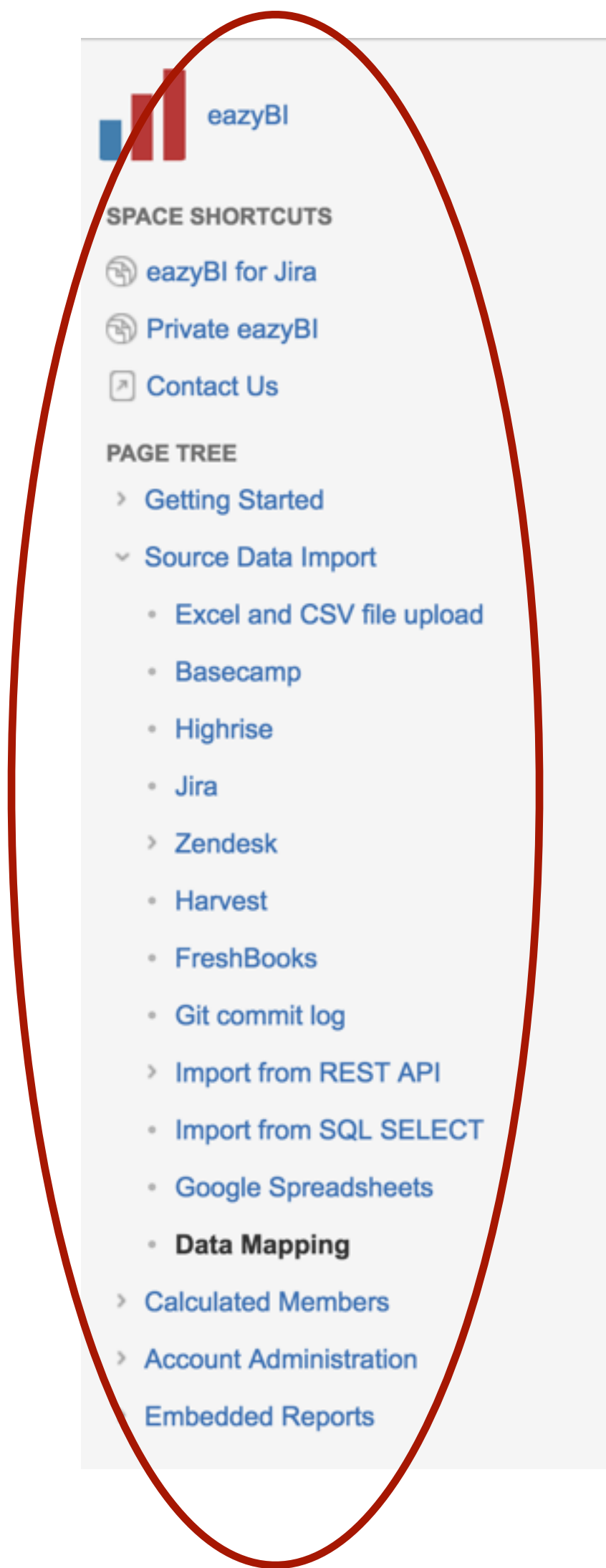
- Attachments (7)
- Page History
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- Resolved comments (0)
- View in Hierarchy
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- Order
- Rule #4 - Import properties
- Changes in mapping

Pages / ... / Data Mapping

Page Information

Title:	Data Mapping	
Author:		Mar 01, 2016
Last Changed by:		Mar 21, 2018
Tiny Link: (useful for email)	https://docs.eazybi.com/x/BABI	
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Operations:	Copy	

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CONFLUENCE EAZYBI APPLICATIONS

Add new source application

Buttons for adding new source applications:

- Jira
- Insight
- {REST:API}**
- SQL
- Google Sheets
- Import definition

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REST API source parameters

Read more about specifying REST API source parameters in the [Import from REST API documentation page](#).

Source data URL

Should be valid URL and return source data in JSON, XML or CSV format.

Skip SSL certificate verification
Check this if using self-signed SSL certificate and receiving **certificate verify failed** error.

Pagination parameters

Pagination: No pagination Page parameter Offset and limit parameter Next page URL
If not all data are returned with one request then specify pagination parameters.

Offset parameter:

Limit parameter:

Limit value:

[Incremental import parameters](#)

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Incremental import parameters

Use **incremental import** to update just the recent source data.

Stop incremental import when **no source data are changed in a returned page**.

Additional URL parameters:

Specify additional source data URL parameters for limiting requested data during incremental import.

CONFLUENCE EAZYBI APPLICATIONS

Add new source application

Buttons for selecting a source application: Jira, Insight, **{REST:API}**, SQL, Google Sheets, and Import definition.

Authentication parameters

Authentication type: None Username & password HTTP header OAuth 1.0a OAuth 2.0

Content parameters

Content type: JSON XML CSV

Data path:

Use [JSONPath](#) expression (for example `$.data`) to specify path to data array in JSON results.

Custom JavaScript code

```
1 function pad(n, width, z) {
2   z = z || '0';
3   n = n + '';
4   return n.length >= width ? n : new Array(width - n.length + 1).join
5 };
6
7 doc.url = 'https://docs.eazybi.com' + doc._links.webui;
8
9 space = doc.space;
10 doc.spaceName = space.name;
11 doc.spaceKey = space.key;
12 doc.spaceId = space.id;
13
```

Use JavaScript code to [modify each received data row](#).

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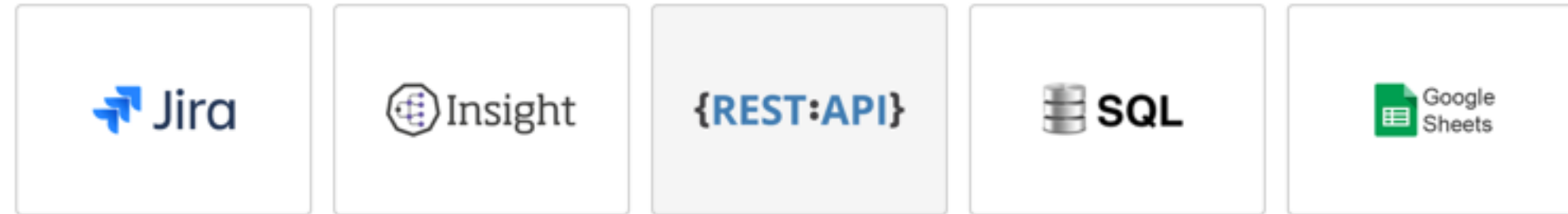
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CONFLUENCE EAZYBI APPLICATIONS

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8
9 space = doc.space;
10 doc.spaceName = space.name;
11 doc.spaceKey = space.key;
12 doc.spaceId = space.id;
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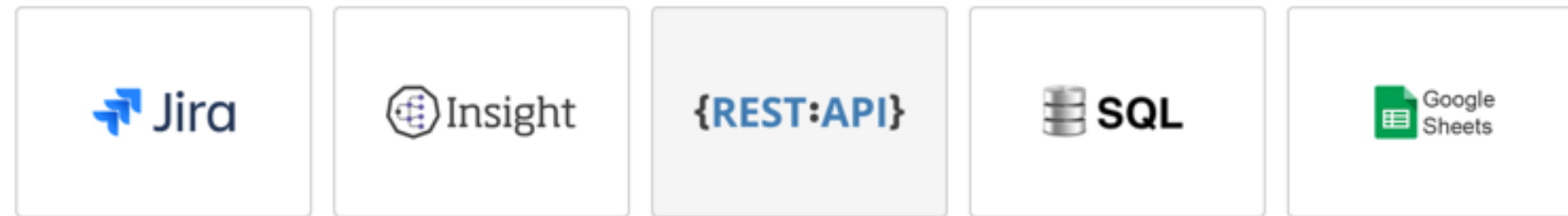
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Pagination parameters

Pagination No pagination Page parameter Offset and limit parameter Next page URL

If not all data are returned with one request then specify pagination parameters.

Offset parameter

Limit parameter

Limit value

Incremental import parameters

Incremental import parameters

Use **incremental import** to update just the recent source data.

Stop incremental import when **no source data** are changed in a returned page.

Additional URL parameters

Specify additional source data URL parameters for limiting requested data during incremental import.

CONFLUENCE DATA MAPPING

Field name:	spaceName	spaceKey	spaceId	spaceUrl	pageSpace	pageSpaceKey
Data type:	string	string	integer	string	string	string
Dimension:	Space	Space	Space	Space	Page	Page
Level or Measure:	add level	add level	add level	add level	Space	Space
Advanced options:	Name column edit	Key column edit	ID column edit	Property name URL edit	Name column edit	Key column edit
	eazyBI	EAZYBI	753,665	http://docs.eazybi.com/display/EAZYBI/Basecamp		

position	id	title	fullTitle	url
string	integer	string	string	string
Page	Page	Page	Page	Page
Page	Page	Page	Page	Page
Ordinal column edit	ID column Source ID column edit	Property name Title edit	Name column Limit 500 edit	Property name URL edit
EAZYBI_0001/0001	688,141	Basecamp	Source Data Import/Basecamp	https://docs.eazybi.com/display/EAZYBI/Basecamp

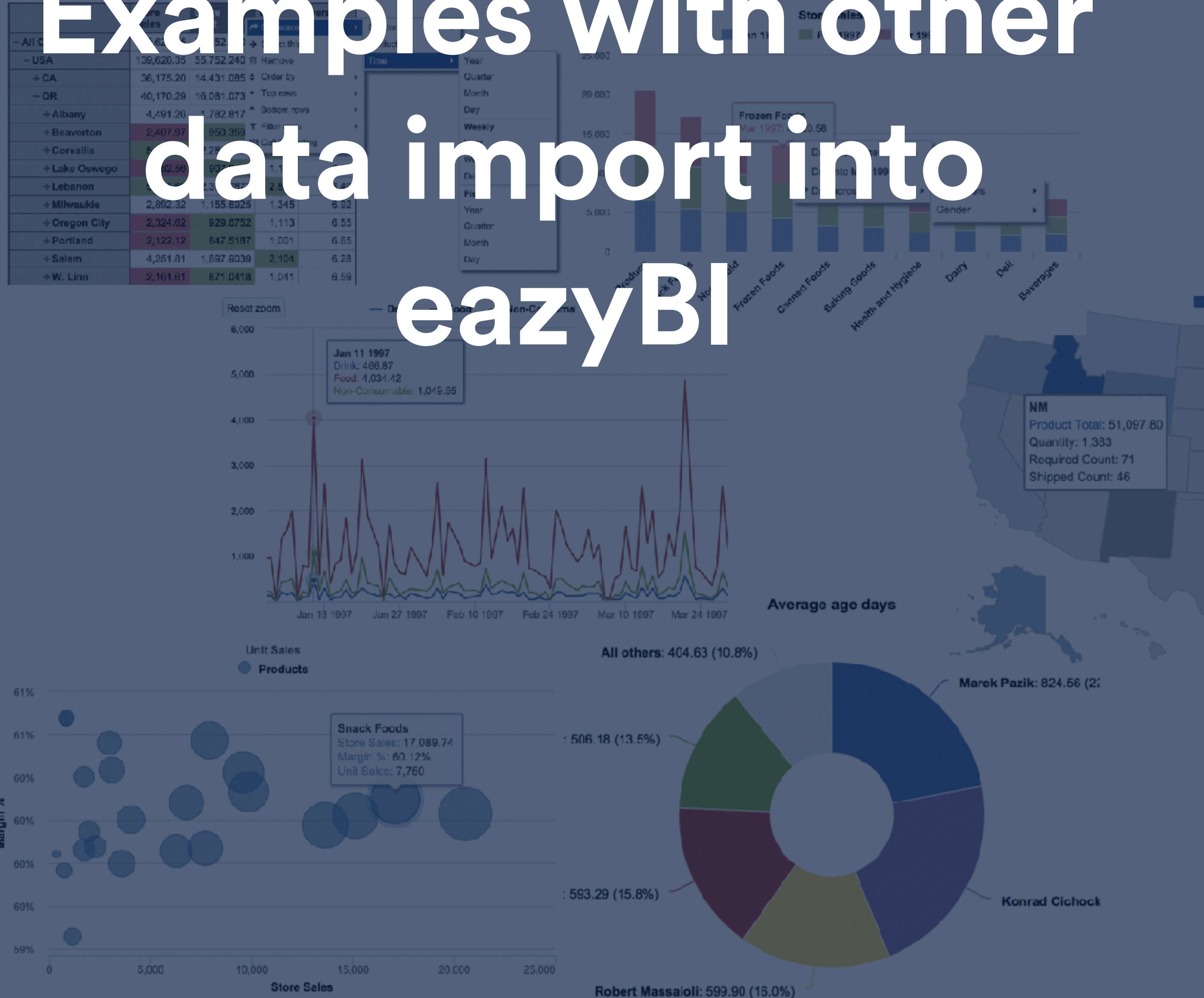
CONFLUENCE DATA MAPPING

createdDate	lastChangeDate	versionCount	authorDisplayNameProperty	authorDisplayName	authorName	authorKey
<input type="text" value="datetime"/>	<input type="text" value="datetime"/>	<input type="text" value="integer"/>	<input type="text" value="string"/>	<input type="text" value="string"/>	<input type="text" value="string"/>	<input type="text" value="string"/>
<input type="text" value="Page"/>	<input type="text" value="Page"/>	<input type="text" value="Measures"/>	<input type="text" value="Page"/>	<input type="text" value="Author"/>	<input type="text" value="Author"/>	<input type="text" value="Author"/>
<input type="text" value="Page"/>	<input type="text" value="Page"/>	<input type="text" value="Versions"/>	<input type="text" value="Page"/>	add level	add level	add level
Property name Created Date Date count measure Pages created Date count dimension Time edit	Property name Last Change Date edit	edit	Property name Author edit	Name column edit	Property name Username edit	Key column edit
Jun 26 2013 19:24:41	May 22 2018 14:08:14	22	Raimonds Simanovskis	Raimonds Simanovskis	raimonds.simanovskis	32cf24ee40c64ee20140c64f2ec60004

CONFLUENCE DATA MAPPING

lastChangedBy type	lastChangedBy username	lastChangedBy userKey	lastChangedBy profilePicture path	lastChangedBy profilePicture width	lastChangedBy profilePicture height	
string	string	string	string	integer	integer	
	Last Changed By	Last Changed By				
	add level	add level				
edit	Property name Username edit	Key column edit	edit	edit	edit	
			lastChangedBy profilePicture isDefault	lastChangedBy displayName	lastChangedBy _links self	lastChangedBy _expandable status
			string	string	string	string
known	janis.liepa	8a0480835e3d67de015effd754a40000	/download/attach/23429/avatar	Last Changed E		
				add level		
			edit	Name column edit	edit	edit
				Jānis Liepa	https://docs.eazybi.com/rest/experimental/user?key=8a0480835e3d67de015effd754a40000	

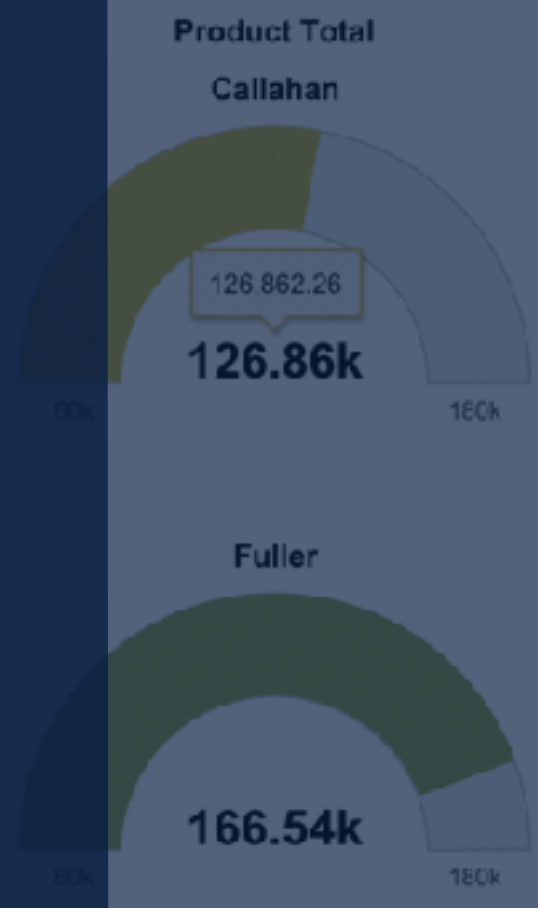
Examples with other data import into easyBI



JIRA user information

Bamboo builds and deployments

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JIRA USER INFORMATION

Users

[Invite users](#) [Create user](#)

Filter users

In group

Application access

Status

Users per page

[Reset](#)

Displaying users 1 to 14 of 14.

Full name	Username	Login details	Group name	Applications	Directory	Actions
Admin User	admin admin@eazybi.com	Count: 4657 Last: Today 10:20 AM	jira-administrators jira-developers jira-service-desk-users jira-software-users jira-users	JIRA Service Desk JIRA Software	JIRA Internal Directory	Edit ...
Alana Grant	agrant-sd-demo agrant-sd-demo@example.com	Never logged in			JIRA Internal Directory	Edit ...
Adelaida Doucette	chdcgpqzl Adelaida.Doucette@example.com	Never logged in	jira-users	JIRA Software	JIRA Internal Directory	Edit ...
Rupert Lunde	grkxfjop Rupert.Lunde@example.com	Never logged in	jira-users	JIRA Software	JIRA Internal Directory	Edit ...
Kasha Bonetti	iyofzajgw Kasha.Bonetti@example.com	Never logged in	jira-developers jira-users	JIRA Software	JIRA Internal Directory	Edit ...
Jennifer Evans	jevans-sd-demo jevans-sd-demo@example.com	Never logged in			JIRA Internal Directory	Edit ...
Ciera Oldham	jxvnfxvbl Ciera.Oldham@example.com	Never logged in	jira-users	JIRA Software	JIRA Internal Directory	Edit ...
Mitch Davis	mdavis-sd-demo mdavis-sd-demo@example.com	Never logged in			JIRA Internal Directory	Edit ...
Janeth Jamieson	nxgqxjnz Janeth.Jamieson@example.com	Never logged in	jira-developers jira-users	JIRA Software	JIRA Internal Directory	Edit ...

JIRA USER INFORMATION EAZYBI APPLICATION

The screenshot shows a MySQL database client window titled "(MySQL 5.6.34) root@localhost/jira74/AO_7DEABF_CYCLE". The window has a search bar with "jira74" and a "Select Database" dropdown. Below the search bar are icons for Structure, Content, Relations, Triggers, Table Info, and Query. The main area displays a SQL query with 12 lines. The query selects user information from the 'cwd_user' table, joined with 'app_user', 'cwd_directory', and 'cwd_user_attributes'. It includes calculated fields for 'invalid_password_attempts', 'login_count', 'last_login_time', 'last_password_change_time', and 'requires_password_change'. The results are grouped by 'd.id' and 'u.id'. Below the query is a table with 9 columns: 'directory_id', 'directory_name', 'id', 'user_key', 'display_name', 'user_name', 'first_name', 'last_name', and 'email_address'. The table contains 4 rows of user data.

```
1 select d.id as directory_id, d.directory_name, u.id, au.user_key, u.display_name, u.user_name, u.first_name, u.last_name,
2 u.email_address, u.active, u.created_date, u.updated_date,
3 MAX(if(a.attribute_name = 'invalidPasswordAttempts', a.attribute_value, null)) AS invalid_password_attempts,
4 MAX(if(a.attribute_name = 'login.count', a.attribute_value, null)) AS login_count,
5 FROM_UNIXTIME(MAX(if(a.attribute_name = 'login.lastLoginMillis', a.attribute_value, null)) / 1000) AS last_login_time,
6 FROM_UNIXTIME(MAX(if(a.attribute_name = 'passwordLastChanged', a.attribute_value, null)) / 1000) AS last_password_change_time,
7 MAX(if(a.attribute_name = 'requiresPasswordChange', a.attribute_value, null)) AS requires_password_change
8 from cwd_user u
9 left outer join app_user au ON u.id = au.id
10 left outer join cwd_directory d ON u.directory_id = d.id
11 left outer join cwd_user_attributes a on u.ID = a.user_id
12 group by d.id, u.id;
```

directory_id	directory_name	id	user_key	display_name	user_name	first_name	last_name	email_address
1	JIRA Internal Directory	10000	admin	Admin User	admin	Admin	User	admin@eazybi.com
1	JIRA Internal Directory	10200	oultgykma	Levi Casebolt	oultgykma	Levi	Casebolt	Levi.Casebolt@example.com
1	JIRA Internal Directory	10201	jxvnfxvbl	Ciera Oldham	jxvnfxvbl	Ciera	Oldham	Ciera.Oldham@example.com
1	JIRA Internal Directory	10202	chdcgpqzl	Adelaida Doucette	chdcgpqzl	Adelaida	Doucette	Adelaida.Doucette@example.com

JIRA USER INFORMATION EAZYBI APPLICATION

The screenshot shows a MySQL query editor window titled "(MySQL 5.6.34) root@localhost/jira74/AO_7DEABF_CYCLE". The query is as follows:

```
1 select d.id as directory_id, d.directory_name, u.id, au.user_key, u.display_name, u.user_name, u.first_name, u.last_name,
2 u.email_address, u.active, u.created_date, u.updated_date,
3 MAX(if(a.attribute_name = 'invalidPasswordAttempts', a.attribute_value, null)) AS invalid_password_attempts,
4 MAX(if(a.attribute_name = 'login.count', a.attribute_value, null)) AS login_count,
5 FROM_UNIXTIME(MAX(if(a.attribute_name = 'login.lastLoginMillis', a.attribute_value, null)) / 1000) AS last_login_time,
6 FROM_UNIXTIME(MAX(if(a.attribute_name = 'passwordLastChanged', a.attribute_value, null)) / 1000) AS last_password_change_time,
7 MAX(if(a.attribute_name = 'requiresPasswordChange', a.attribute_value, null)) AS requires_password_change
8 from cwd_user u
9 left outer join app_user au ON u.id = au.id
10 left outer join cwd_directory d ON u.directory_id = d.id
11 left outer join cwd_user_attributes a on u.ID = a.user_id
12 group by d.id, u.id;
```

The results table is shown below:

directory_id	directory_name	id	user_key	display_name	user_name	first_name	last_name	email_address
1	JIRA Internal Directory	10000	admin	Admin User	admin	Admin	User	admin@eazybi.com
1	JIRA Internal Directory	10200	oultgykma	Levi Casebolt	oultgykma	Levi	Casebolt	Levi.Casebolt@example.com
1	JIRA Internal Directory	10201	jxvnfxvbl	Ciera Oldham	jxvnfxvbl	Ciera	Oldham	Ciera.Oldham@example.com
1	JIRA Internal Directory	10202	chdcgpqzl	Adelaida Doucette	chdcgpqzl	Adelaida	Doucette	Adelaida.Doucette@example.com

Add new source application

The image shows a grid of application source icons for data integration. The icons are:

- Jira
- Insight
- {REST:API}
- SQL
- Google Sheets
- Import definition

JIRA USER INFORMATION EAZYBI APPLICATION

SQL source parameters

Read more about: specifying SQL source parameters in [import from SQL SELECT](#) documentation page.

The screenshot shows a MySQL query editor window titled '(MySQL 5.6.34) root@localhost/jira74/AO_7DEABF_CYCLE'. The query is as follows:

```
1 select d.id as directory_id, d.directory_name, u.id, au.user_key, u.display_name, u.user_name, u.first_name, u.last_
2 u.email_address, u.active, u.created_date, u.updated_date,
3 MAX(if(a.attribute_name = 'invalidPasswordAttempts', a.attribute_value, null)) AS invalid_password_attempts,
4 MAX(if(a.attribute_name = 'login.count', a.attribute_value, null)) AS login_count,
5 FROM_UNIXTIME(MAX(if(a.attribute_name = 'login.lastLoginMillis', a.attribute_value, null)) / 1000) AS last_login,
6 FROM_UNIXTIME(MAX(if(a.attribute_name = 'passwordLastChanged', a.attribute_value, null)) / 1000) AS last_password
7 MAX(if(a.attribute_name = 'requiresPasswordChange', a.attribute_value, null)) AS requires_password_change
8 from cwd_user u
9 left outer join app_user au ON u.id = au.id
10 left outer join cwd_directory d ON u.directory_id = d.id
11 left outer join cwd_user_attributes a on u.ID = a.user_id
12 group by d.id, u.id;
```

The results table below the query is:

directory_id	directory_name	id	user_key	display_name	user_name	first_name
1	JIRA Internal Directory	10000	admin	Admin User	admin	Admin
1	JIRA Internal Directory	10200	oultgykma	Levi Casebolt	oultgykma	Levi
1	JIRA Internal Directory	10201	jxvnfxvbl	Ciera Oldham	jxvnfxvbl	Ciera
1	JIRA Internal Directory	10202	chdcgpqzl	Adelaida Doucette	chdcgpqzl	Adelaida

Database connection parameters

Database type:

Host: Please ensure that the database server can be accessed from the following IP addresses: 127.0.0.1.

Port: Do not specify if default port is used

Database:

Username:

Password:

SQL SELECT statement

```
select d.id as directory_id, d.directory_name, u.id, au.user_key, u.display_name, u.user_name, u.first_name, u.last_
MAX(if(a.attribute_name = 'invalidPasswordAttempts', a.attribute_value, null)) AS invalid_password_attempts,
MAX(if(a.attribute_name = 'login.count', a.attribute_value, null)) AS login_count,
FROM_UNIXTIME(MAX(if(a.attribute_name = 'login.lastLoginMillis', a.attribute_value, null)) / 1000) AS last_lo
FROM_UNIXTIME(MAX(if(a.attribute_name = 'passwordLastChanged', a.attribute_value, null)) / 1000) AS las
MAX(if(a.attribute_name = 'requiresPasswordChange', a.attribute_value, null)) AS requires_password_change
from cwd_user u
left outer join app_user au ON u.id = au.id
left outer join cwd_directory d ON u.directory_id = d.id
```

Schedule

Regular import frequency: Select how frequently automatic data import from data source should be performed.

Add new source application

Buttons for adding source applications:

- Jira
- Insight
- {REST:API}
- SQL
- Google Sheets
- Import definition

JIRA USER INFORMATION EAZYBI APPLICATION

SQL source parameters

Read more about: specifying SQL source parameters in [import from SQL SELECT](#) documentation page.

The screenshot shows a MySQL Workbench window with the following SQL query:

```
1 select d.id as directory_id, d.directory_name, u.id, au.user_key, u.display_name, u.user_name, u.first_name, u.last_n
2 u.email_address, u.active, u.created_date, u.updated_date,
3 MAX(if(a.attribute_name = 'invalidPasswordAttempts', a.attribute_value, null)) AS invalid_password_attempts,
4 MAX(if(a.attribute_name = 'login.count', a.attribute_value, null)) AS login_count,
5 FROM_UNIXTIME(MAX(if(a.attribute_name = 'login.lastLoginMillis', a.attribute_value, null)) / 1000) AS last_login,
6 FROM_UNIXTIME(MAX(if(a.attribute_name = 'passwordLastChanged', a.attribute_value, null)) / 1000) AS last_password
7 MAX(if(a.attribute_name = 'requiresPasswordChange', a.attribute_value, null)) AS requires_password_change
8 from cwd_user u
9 left outer join app_user au ON u.id = au.id
10 left outer join cwd_directory d ON u.directory_id = d.id
11 left outer join cwd_user_attributes a on u.ID = a.user_id
12 group by d.id, u.id;
```

The results table below the query is as follows:

directory_id	directory_name	id	user_key	display_name	user_name	first_name	last_name
1	JIRA Internal Directory	10000	admin	Admin User	admin	Admin	
1	JIRA Internal Directory	10200	oultgykma	Levi Casebolt	oultgykma	Levi	
1	JIRA Internal Directory	10201	jxvnfxvbl	Ciera Oldham	jxvnfxvbl	Ciera	
1	JIRA Internal Directory	10202	chdcgpqzl	Adelaida Doucette	chdcgpqzl	Adelaida	

Database connection parameters

Database type	MySQL
Host	localhost
Port	
Database	jira74
Username	root
Password	

Add new source application

Buttons for adding source applications:

- Jira
- Insight
- {REST:API}
- SQL
- Google Sheets
- Import definition

SQL SELECT statement

```
select d.id as directory_id, d.directory_name, u.id, au.user_key, u.display_name, u.user_name, u.first_name, u.last_n
MAX(if(a.attribute_name = 'invalidPasswordAttempts', a.attribute_value, null)) AS invalid_password_attempts,
MAX(if(a.attribute_name = 'login.count', a.attribute_value, null)) AS login_count,
FROM_UNIXTIME(MAX(if(a.attribute_name = 'login.lastLoginMillis', a.attribute_value, null)) / 1000) AS last_lo
FROM_UNIXTIME(MAX(if(a.attribute_name = 'passwordLastChanged', a.attribute_value, null)) / 1000) AS las
MAX(if(a.attribute_name = 'requiresPasswordChange', a.attribute_value, null)) AS requires_password_change
from cwd_user u
left outer join app_user au ON u.id = au.id
left outer ioin cwd_directory d ON u.directory id = d.id
```

Schedule

Regular import frequency	No regular import
--------------------------	-------------------

JIRA USER INFORMATION DATA MAPPING

Source columns mapping

Cube:

Select at first cube (or write new name) where to import data. Then for each column review (or change) data type and enter dimension which corresponds to this column. If several columns are mapped to the same dimension then either specify in advanced options column type (ID, key, name or property name) or map columns to different dimension hierarchy levels in *Level or Measure* field. For measures specify *Measures in Dimension* field and measure name in *Level or Measure* field. If you want column to be ignored by import then leave dimension field blank. Please read more in [columns mapping documentation page](#).

Field name:	directory_id	directory_name	id	user_key	display_name	user_name	first_name	last_name	email_address
Data type:	<input type="text" value="integer"/>	<input type="text" value="string"/>	<input type="text" value="integer"/>	<input type="text" value="string"/>	<input type="text" value="string"/>	<input type="text" value="string"/>	<input type="text" value="string"/>	<input type="text" value="string"/>	<input type="text" value="string"/>
Dimension:	<input type="text" value="Directory"/>	<input type="text" value="Directory"/>	<input type="text" value="User"/>	<input type="text" value="User"/>	<input type="text" value="User"/>	<input type="text" value="User"/>	<input type="text" value="User"/>	<input type="text" value="User"/>	<input type="text" value="User"/>
Level or Measure:	add level	add level	add level	add level	add level	add level	add level	add level	add level
Advanced options:	ID column edit	Name column edit	ID column edit	Key column edit	Name column edit	Property name Username edit	Property name First name edit	Property name Last name edit	Property name E-mail edit
	1	JIRA Internal Directory	10,000	admin	Admin User	admin	Admin	User	admin@eazybi.
	1	JIRA Internal Directory	10,200	oultgykma	Levi Casebolt	oultgykma	Levi	Casebolt	Levi.Casebolt@
	1	JIRA Internal Directory	10,201	jxvnfxvbl	Ciera Oldham	jxvnfxvbl	Ciera	Oldham	Ciera.Oldham@
	1	JIRA Internal Directory	10,202	chdcgpqzl	Adelaida Doucette	chdcgpqzl	Adelaida	Doucette	Adelaida.Douce
	1	JIRA Internal Directory	10,203	rjmpkstif	Jovan Hiers	rjmpkstif	Jovan	Hiers	Jovan.Hiers@e:

JIRA USER INFORMATION EAZYBI REPORTS

Dimensions

▸ Measures

▸ Directory

▸ User

▸ Time

▸ Group

JIRA USER INFORMATION EAZYBI REPORTS

Dimensions

▸ Measures

▸ Directory

▸ User

▸ Time

▸ Group

Table Bar Line Pie Scatter Timeline Map Gantt Gauge

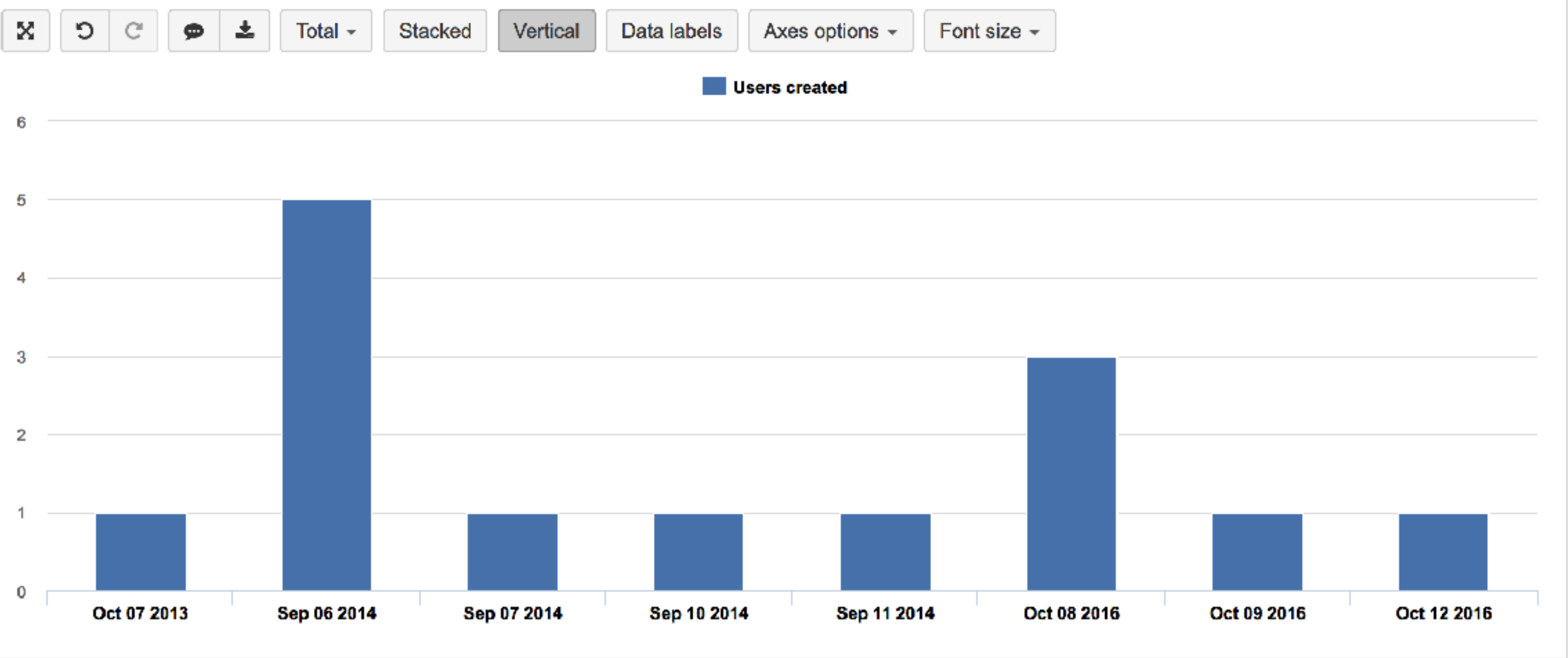
✕ ↺ ↻ 🗨️ ⬇️ Hide empty ▾ Total ▾

	User E-mail	User Is active	User Created time	User Last login time
Admin User	admin@eazybi.com	1	Oct 07 2013	Sep 07 2017
Alana Grant	agrant-sd-demo@example.com	1	Oct 08 2016	
Adelaida Doucette	Adelaida.Doucette@example.com	1	Sep 06 2014	
Rupert Lunde	Rupert.Lunde@example.com	1	Sep 06 2014	
Kasha Bonetti	Kasha.Bonetti@example.com	1	Sep 06 2014	
Jennifer Evans	jevans-sd-demo@example.com	1	Oct 08 2016	
Ciera Oldham	Ciera.Oldham@example.com	1	Sep 06 2014	
Mitch Davis	mdavis-sd-demo@example.com	1	Oct 08 2016	
Janeth Jamieson	Janeth.Jamieson@example.com	1	Sep 06 2014	
Levi Casebolt	Levi.Casebolt@example.com	1	Sep 06 2014	
Jovan Hiers	Jovan.Hiers@example.com	1	Sep 06 2014	
Ryan Lee	rlee-sd-demo@example.com	1	Oct 08 2016	
Lincoln Greathouse	Lincoln.Greathouse@example.com	1	Sep 06 2014	
Vincent Wong	vwong-sd-demo@example.com	1	Oct 08 2016	

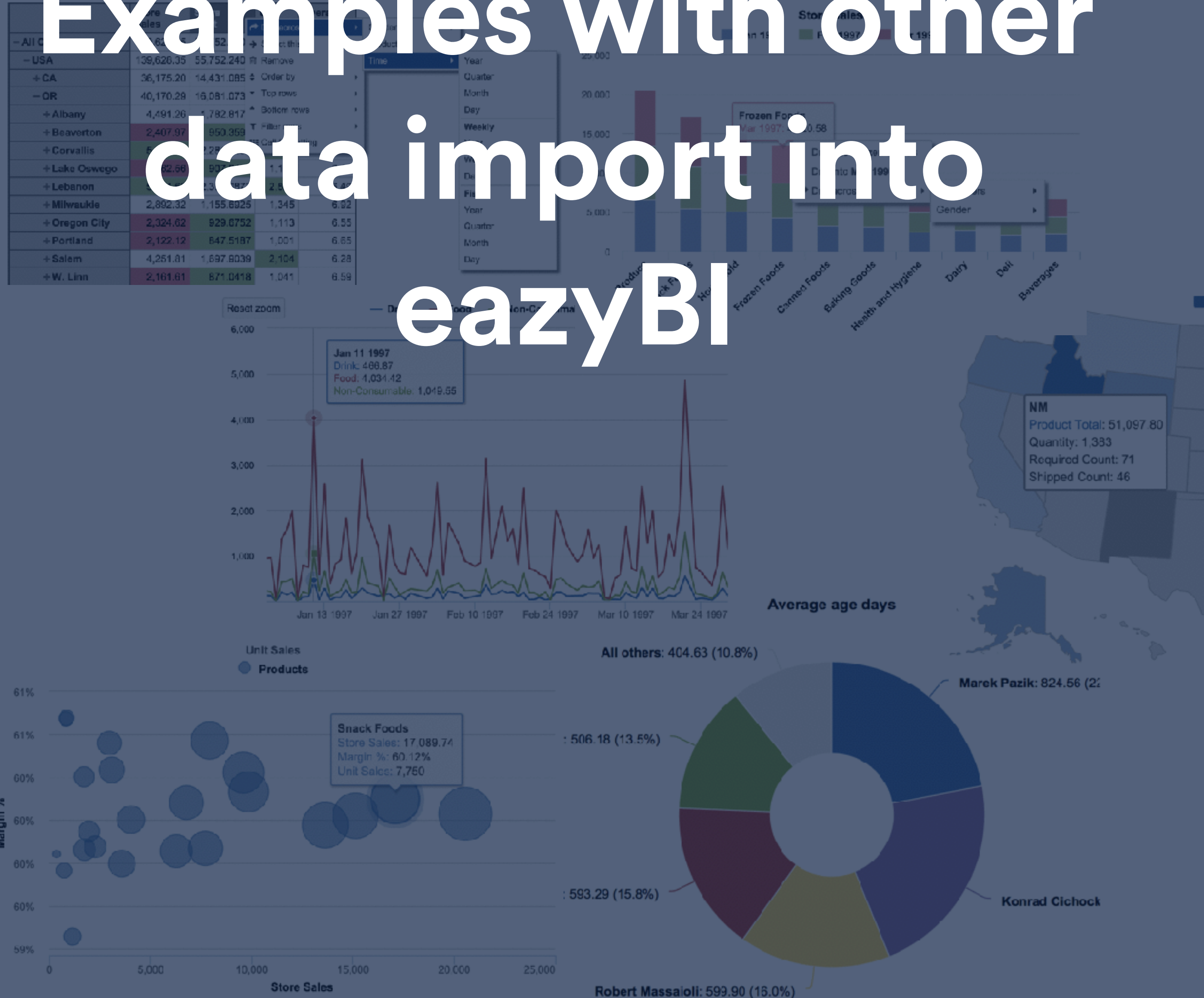
JIRA USER INFORMATION EAZYBI REPORTS

Dimensions

	User E-mail	User Is active	User Created time	User lo tin
Admin User	admin@eazybi.com	1	Oct 07 2013	Se
Alana Grant	agrant-sd-demo@example.com	1	Oct 08 2016	
Adelaida Doucette	Adelaida.Doucette@example.com	1	Sep 06 2014	
Rupert Lunde	Rupert.Lunde@example.com	1	Sep 06 2014	
Kasha Bonetti	Kasha.Bonetti@example.com	1	Sep 06 2014	
Jennifer Evans	jevans-sd-demo@example.com	1	Oct 08 2016	
Ciera Oldham	Ciera.Oldham@example.com	1	Sep 06 2014	
Mitch Davis	mdavis-sd-demo@example.com	1	Oct 08 2016	
Janeth Jamieson	Janeth.Jamieson@example.com	1	Sep 06 2014	
Levi Casebolt	Levi.Casebolt@example.com	1	Sep 06 2014	
Jovan Hiers	Jovan.Hiers@example.com	1	Sep 06 2014	
Ryan Lee	rlee-sd-demo@example.com	1	Oct 08 2016	
Lincoln Greathouse	Lincoln.Greathouse@example.com	1	Sep 06 2014	
Vincent Wong	vwong-sd-demo@example.com	1	Oct 08 2016	



Examples with other data import into easyBI



JIRA user information

Bamboo builds and deployments

Git log



BAMBOO BUILDS AND DEPLOYMENTS

Build Dashboard

Wallboard

Personal filter is off

Project	Plan	Build	Completed	Tests	Reason	
Bamboo build project	Application	✔️ #3	2 days ago	No tests found	Release build for Bamboo test Version1 by Admin User	🎬 ✎ ⭐
Project	Application	✔️ #26	2 days ago	No tests found	Manual run by Janis Baiza	🎬 ✎ ☆
	DB	❗ #1	3 days ago	No tests found	Manual run by Janis Baiza	🎬 ✎ ☆
Project New	Plan New	✔️ #1	2 days ago	No tests found	Manual run by Janis Baiza	🎬 ✎ ☆

All Deployment Projects

Deployment project	Environment	Release	Result	Completed	Actions
Bamboo test deploy	QA	release-2	✔️ Logs	05 Sep 2017 01:33 PM	✎ 🌿
	Staging	release-2	✔️ Logs	05 Sep 2017 01:33 PM	✎ 🌿
Deploy	Local	release-14	✔️ Logs	07 Sep 2017 11:45 AM	✎ 🌿
	Staging	release-3	❗ Logs	04 Sep 2017 05:43 PM	✎ 🌿

Empty project

No environments found. [Create a new environment](#) to start tracking your deployments.

BAMBOO EAZYBI APPLICATIONS

Add new source application

Buttons for adding source applications:

- Jira
- Insight
- {REST:API}**
- SQL
- Google Sheets
- Import definition

BAMBOO EAZYBI APPLICATIONS

Add new source application

Buttons for adding source applications:

- Jira
- Insight
- {REST:API}**
- SQL
- Google Sheets
- Import definition

REST API source parameters

Read more about specifying REST API source parameters in [Import from REST API](#) documentation page.

Source data URL

BAMBOO_HOME_URL/rest/api/latest/project?expand=projects.project.plans.plan

Should be valid URL and return source data in JSON, XML or CSV format.

Skip SSL certificate verification

Check this if using self-signed SSL certificate and receiving **certificate verify failed** error.

Pagination parameters

Pagination No pagination Page parameter Offset and limit parameter Next page URL

If not all data are returned with one request then specify pagination parameters.

Authentication parameters

Authentication type None Username & password HTTP header OAuth 1.0a OAuth 2.0

Username

Password

Content parameters

Content type JSON XML CSV

Data path

Use [JSONPath](#) expression (for example `$.data`) to specify path to data array in JSON results.


Custom JavaScript code


```
1 var results = [];  
2  
3 function processBuilds(doc, plan, builds) {  
4   _each(builds, function(build) {  
5     keys = '';  
6     _each(build.jiraIssues.issue, function(issue) {  
7       keys = keys + issue.key + ',';  
8     });  
9     results.push({  
10      project_name: doc.name,  
11      project_key: doc.key,  
12      plan_name: plan.name.  
13
```

Use JavaScript code to [modify each received data row](#).


BAMBOO EAZYBI APPLICATIONS


Add new source application

 Jira

 Insight

{REST:API}

 SQL

 Google Sheets

Import definition

Columns mapping

[Dropdown]

Start import

Clear columns mapping

Back to edit

(name) where to import data. Then for each column review (or change) data type and enter dimension which corresponds to this column. If several columns are mapped to the same dimension then column type (ID, key, name or property name) or map columns to different dimension hierarchy levels in In Level or Measure field. For measures specify Measures in Dimension field and measure you want column to be ignored by import then leave dimension field blank. Please read more in columns mapping documentation page.

Hide unmapped columns < >

name	project_key	plan_name	plan_key	build_key	build_state	build_number	build_duration	build_time
[Dropdown]	string	string	string	string	string	integer	integer	datetime
[Dropdown]	Project	Project	Project	Build	Build status	Build	Measures	Time
[Dropdown]	Project	Plan	Plan	add level	add level	add level	Build duration	
Column	Key column edit	Name column edit	Key column edit	Key column edit	edit	Property name Build number edit	edit	
build	BT	Bamboo build project - Application	BT-PLAN	BT-PLAN-3	Successful	3	10	Sep 05 2017 13:17:36
build	BT	Bamboo build project - Application	BT-PLAN	BT-PLAN-2	Successful	2	9	Sep 05 2017 13:13:02
build	BT	Bamboo build project - Application	BT-PLAN	BT-PLAN-1	Successful	1	10	Sep 05 2017 13:10:58
	PROJ	Project - Application	PROJ-AP	PROJ-AP-26	Successful	26	0	Sep 04 2017 15:33:59
	PROJ	Project - Application	PROJ-AP	PROJ-AP-26	Successful	26	0	Sep 04 2017 15:33:58

REST API source parameters

Read more about specifying REST API source parameters in [Import from REST API](#) documentation page.

Source data URL

BAMBOO_HOME_URL/rest/api/latest/project?expand=projects.project.plans.plan

Should be valid URL and return source data in JSON, XML or CSV format.

Skip SSL certificate verification

Check this if using self-signed SSL certificate and receiving **certificate verify failed** error.

Pagination parameters

Pagination No pagination Page parameter Offset and limit parameter Next page URL

If not all data are returned with one request then specify pagination parameters.

Authentication parameters

Authentication type None Username & password HTTP header OAuth 1.0a OAuth 2.0

Username

Password

Content parameters

Content type JSON XML CSV

Data path

Use **JSONPath** expression (for example `$.data`) to specify path to data array in JSON results.

Custom JavaScript code

```

1 var results = [];
2
3 function processBuilds(doc, plan, builds) {
4   _each(builds, function(build) {
5     keys = '';
6     _each(build.jiraIssues.issue, function(issue) {
7       keys = keys + issue.key + ',';
8     });
9     results.push({
10      project_name: doc.name,
11      project_key: doc.key,
12      plan_name: plan.name,
13

```

Use JavaScript code to [modify each received data row](#).

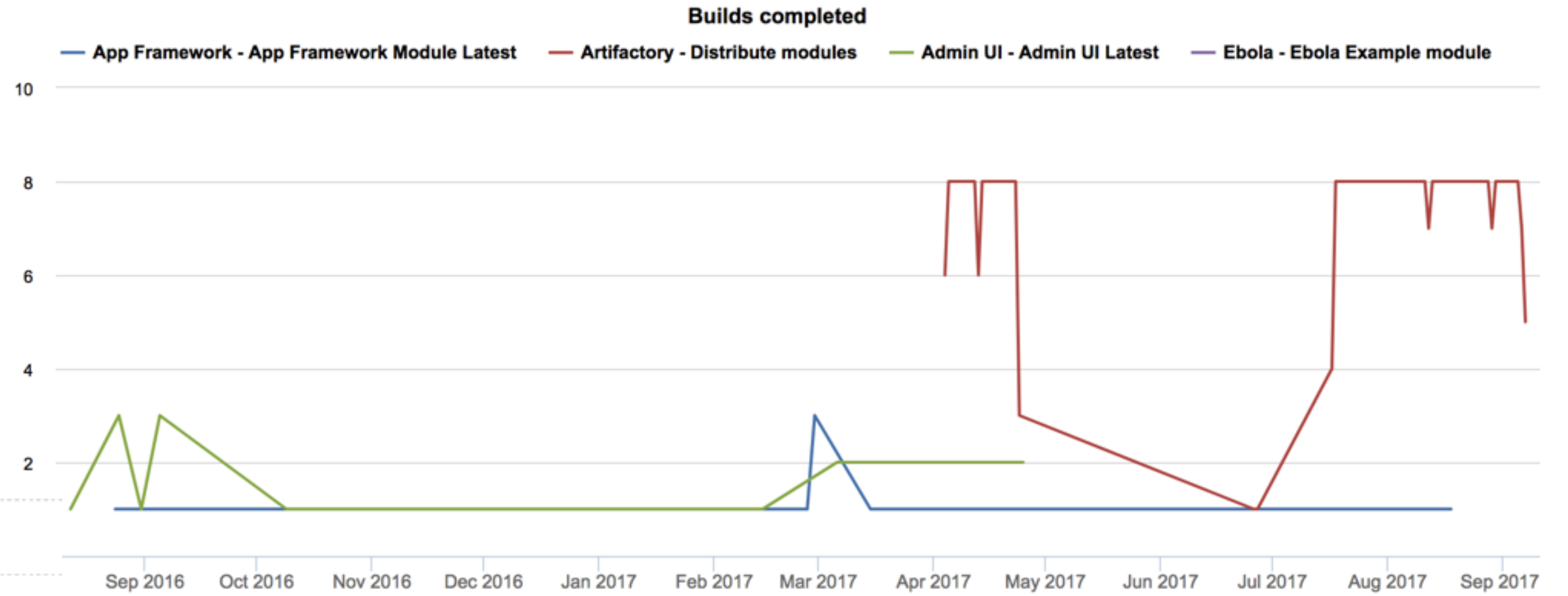
BAMBOO EAZYBI REPORTS

Pages
Drag here if needed

Columns
Measures Build status

Rows
Nonempty
Time
Project

		Builds completed	
		Failed	Successful
Jul 03 2017	Project - Application		3
Sep 04 2017	Project New - Plan New		1
	Project - Application		23
	Project - DB	1	

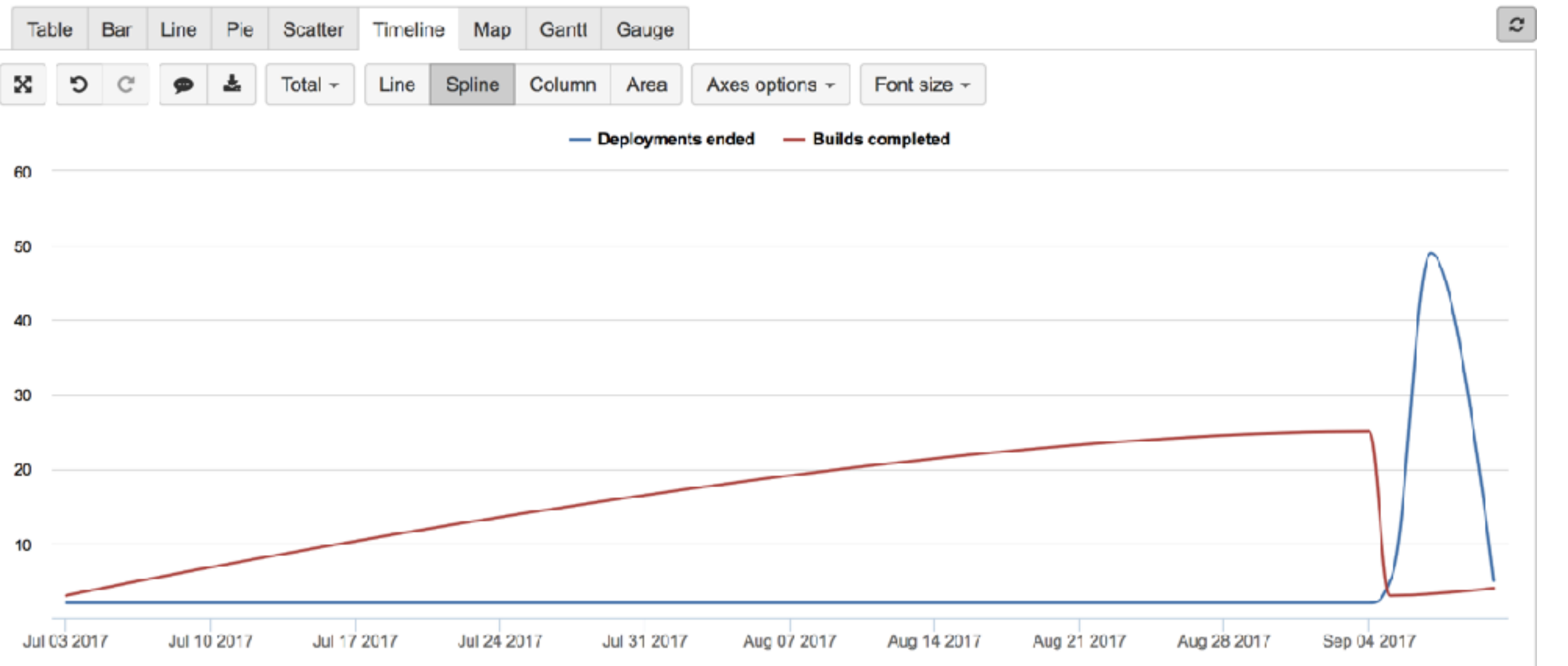


Pages
Drag here if needed

Columns
Measures

Rows
Nonempty
Deploy Project
Environment
Version
Deployment Status

				Deployments ended	Latest end time
Bamboo test deploy	QA	release-1	SUCCESS	1	2017-09-05 14:30
		release-2	SUCCESS	1	2017-09-05 14:30
		release-3	SUCCESS	1	2017-09-10 19:30
	Staging	release-1	SUCCESS	1	2017-09-05 14:30
		release-2	SUCCESS	1	2017-09-05 14:30
		release-3	SUCCESS	1	2017-09-10 19:30
Deploy	Local	release-1	SUCCESS	1	2017-07-03 17:30
		release-2	SUCCESS	1	2017-07-03 17:30
		release-3	SUCCESS	2	2017-09-07 12:45
		release-4	SUCCESS	1	2017-09-07 12:45
		release-5	SUCCESS	4	2017-09-07 12:45
		release-6	SUCCESS	2	2017-09-07 12:45
		release-7	SUCCESS	4	2017-09-07 12:45
		release-8	SUCCESS	4	2017-09-07 12:45
		release-9	SUCCESS	3	2017-09-07 12:45
		release-10	SUCCESS	8	2017-09-07 12:45
		release-11	SUCCESS	4	2017-09-07 12:45
		release-12	SUCCESS	7	2017-09-07 12:45
		release-13	SUCCESS	2	2017-09-07 12:45
		release-14	SUCCESS	9	2017-09-07 12:45:54



BAMBOO REST API IMPORT DETAILED



Community

Import Bamboo plans / builds / distributions
Questions & Answers

Additional information from REST API could be added by changing custom JavaScript code.

Plan and Build information import

► Import definition

Import uses the following API end points:

- <https://developer.atlassian.com/bamboodev/rest-apis/bamboo-rest-resources#BambooRESTResources-ProjectService> 7
- <https://developer.atlassian.com/bamboodev/rest-apis/bamboo-rest-resources#BambooRESTResources-BuildService—SpecificPlan> 4

It will create the following dimensions:

- Project with two levels - Project and Plan
- Build
- Build status

Deployment information import

► Import definition

Import uses the following API end points:

- <https://docs.atlassian.com/bamboo/REST/6.0.3/#d2e632> 5
- <https://docs.atlassian.com/bamboo/REST/6.0.3/#d2e1541> 3

The following dimensions will be created:

- Deploy Project
- Environment. Two levels - Deploy Project and Environment
- Version. Two levels - Deploy Project and Version
- Version Creator
- Branch
- Deployment Status
- Lifecycle State



janis.baiza easyBI Staff

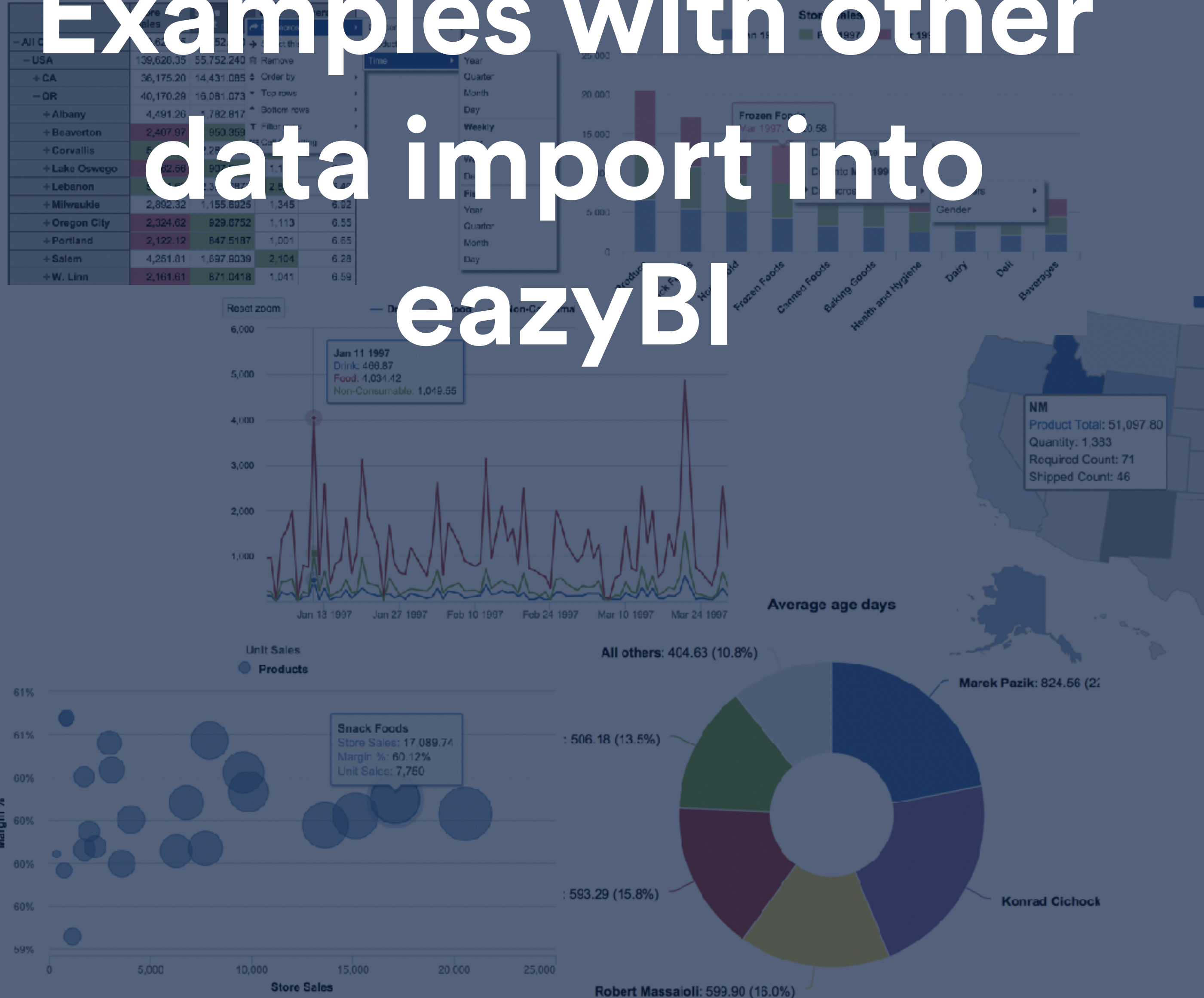
Nov '17

In the easyBI version 4.4.0, we improved custom JavaScript processing, and now the import should also work for larger datasets.

- Plan and Build information import
- Deployment information import



Examples with other data import into easyBI



JIRA user information

Bamboo builds and deployments

Git log



GIT LOG

All Branches ⇅ Show Remote Branches ⇅ Ancestor Order ⇅ Jump to: ⇅

Graph Description Commit Author Date

- [master](#) [origin/master](#) [origin/HEAD](#) README.md edited online with Bitbucket [eabe2b6](#) David Boyd <dboyd@atlassian.com> Jul 17, 2017, 3:43 AM
- [v0.6.6](#) 0.6.6 Bump [8e5eb63](#) Michael Staas <mstaas@atlassian.com> May 4, 2017, 9:53 AM
- Merged in fix-npm-link (pull request #23) [682424e](#) Dariusz Stefanski <dstefanski@atlassian.com> May 4, 2017, 5:22 AM
- Fix the link to the npm atlas-connect package [d680156](#) Dariusz Stefanski <dstefanski@atlassian.com> May 4, 2017, 4:29 AM
- [origin/jira-and-confluence-modules](#) Product specific descriptor modules for JIRA a... [1cdc2d5](#) Dariusz Stefanski <dstefanski@atlassian.com> May 4, 2017, 4:02 AM
- Merged in jira-service-desk-support (pull request #21) [eeef08d](#) Dariusz Stefanski <dstefanski@atlassian.com> May 4, 2017, 3:40 AM
- Supporting product specific modules in descriptor [07907d6](#) Dariusz Stefanski <dstefanski@atlassian.com> May 2, 2017, 10:04 AM
- Support for JIRA Service Desk [f41c010](#) Dariusz Stefanski <dstefanski@atlassian.com> May 2, 2017, 4:26 AM
- [v0.6.5](#) 0.6.5 Bump [eab723d](#) James Hazelwood <jhazelwood@atlassian.com> Oct 18, 2016, 5:12 AM
- Merged in issue/usability-tweaks (pull request #17) [bc88dcb](#) James Hazelwood <jhazelwood@atlassian.com> Oct 18, 2016, 5:10 AM
- Handle errors more sensibly [46fde20](#) James Hazelwood <jhazelwood@atlassian.com> Oct 18, 2016, 4:40 AM
- [v0.6.4](#) 0.6.4 Bump [f6db32e](#) Seb Ruiz <seb@sebruiz.net> Sep 9, 2016, 4:51 AM
- Fix template extraction console logging [56eb588](#) Seb Ruiz <seb@sebruiz.net> Sep 9, 2016, 4:51 AM
- [v0.6.3](#) 0.6.3 Bump [b835813](#) Seb Ruiz <seb@sebruiz.net> Sep 9, 2016, 4:47 AM
- Merge branch 'issue/chalkify' [4818c6b](#) Seb Ruiz <seb@sebruiz.net> Sep 9, 2016, 4:47 AM


Sorted by path ☰ 🔍 Search ⚙️

... README.md

... README.md

Hunk 1: Lines 7-13 Reverse hunk

```
7 7 [Confluence](https://atlassian.com/confluence), [HipChat](https://hipchat.com),
8 8 [JIRA](https://atlassian.com/jira) and [JIRA Service Desk](https://www.atlassian.com/jira)
9 9
10 10 - Make sure you have [Node 4.5.0](https://nodejs.org/en/) or later installed or
10 10 + `atlas-connect` requires Node.js v4.8.4 or later. Please also ensure you have r
11 11
12 12 You can install me with:
13 13
```

 README.md edited online with Bitbucket

Commit: [eabe2b61cdb45e2d290e5ab4b02da69204ee43c7](#) [[eabe2b6](#)]

Parents: [8e5eb6352d](#)

Author: David Boyd <dboyd@atlassian.com>

Date: 2017. gada 17. jūlijs 03:43:12 EEST

Labels: HEAD -> master origin/master origin/HEAD

```
$ git log --numstat
commit eabe2b61cdb45e2d290e5ab4b02da69204ee43c7 (HEAD -> master, origin/master, origin/HEAD)
Author: David Boyd <dboyd@atlassian.com>
Date: Mon Jul 17 00:43:12 2017 +0000

    README.md edited online with Bitbucket
1      1      README.md

commit 8e5eb6352d9a10e97c02503fef539fafa1a8e7bb (tag: 0.6.6)
Author: Michael Staas <mstaas@atlassian.com>
Date: Thu May 4 16:53:33 2017 +1000

    Bump
1      1      package.json

commit 682424ead077b9649075032336528b0791d974a5
Merge: eeef08d d680156
Author: Dariusz Stefanski <dstefanski@atlassian.com>
Date: Thu May 4 02:22:46 2017 +0000

    Merged in fix-npm-link (pull request #23)

    Fix the link to the npm atlas-connect package

    Approved-by: James Hazelwood <jhazelwood@atlassian.com>

commit d6801565859a2b7671a65a4dde700832c6d0cf4b
Author: Dariusz Stefanski <dstefanski@atlassian.com>
Date: Thu May 4 11:29:47 2017 +1000

    Fix the link to the npm atlas-connect package
1      1      README.md


commit eeef08dc1301e6a6ef05b4575af93e9bcb737a63
Merge: eab723d 07907d6
Author: Dariusz Stefanski <dstefanski@atlassian.com>
Date: Thu May 4 00:40:46 2017 +0000
```

GIT LOG IN EAZYBI

```
git log --numstat > git-log.txt
```


GIT LOG IN EAZYBI

```
git log --numstat > git-log.txt
```

File Name	Size	Uploaded ▾	Cube	Imported	Status	Actions
git-log.txt 	53.1 KB	less than a minute ago	Git Commits		New	<input type="button" value="Import"/> Delete

GIT LOG IN EAZYBI

```
git log --numstat > git-log.txt
```

File Name	Size	Uploaded ▾	Cube	Imported	Status	Actions
git-log.txt 	53.1 KB	less than a minute ago	Git Commits		New	<input type="button" value="Import"/> Delete

Dimensions

▸ Measures

▸ Time

▸ File

▸ File Extension

▸ Author

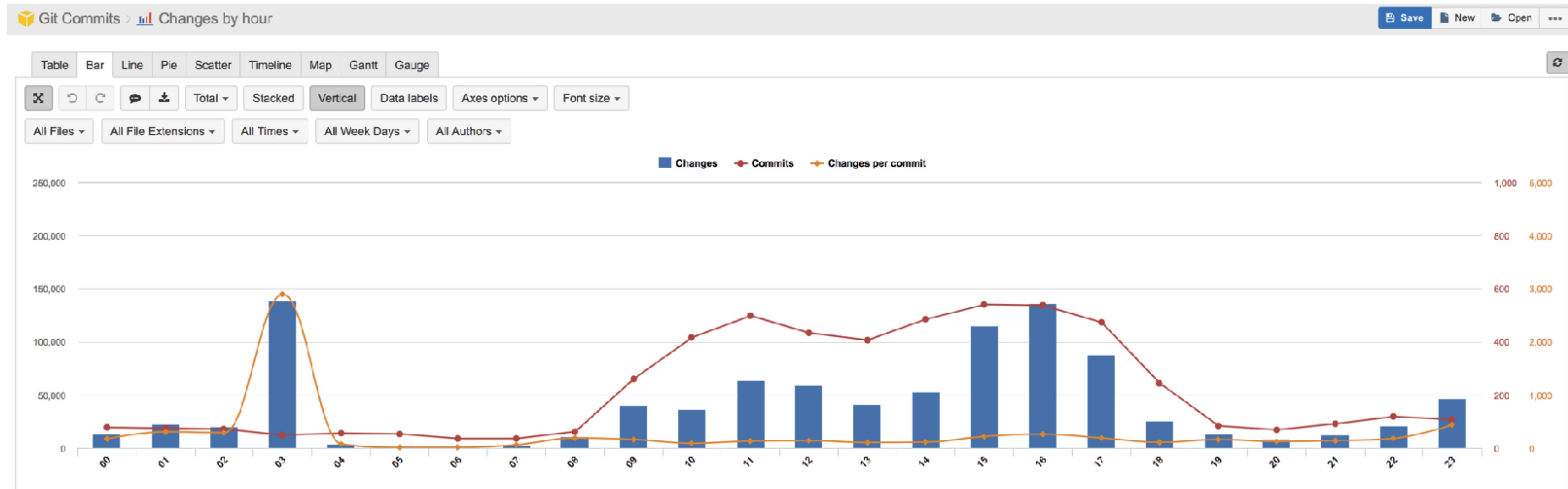
▸ Commit

▸ Time Zone

▸ Hour

▸ Week Day

GIT LOG IN EAZYBI



GIT LOG IN EAZYBI





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support@eazybi.com