

Use Cases

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Since there are several users, there is big probability of a simultaneous usage of a workflow. Can cause collision

2. DXPs hosted in the library

Users don't necessarily know what KNIME is doing or how it works at all – Connector can be triggered from Web Player version as well

3. Authentication to the workflow

Spotfire stores the credential of the author of the data function, but it is not necessarily identical to the author of the workflow

Use Cases

1. Workflows hosted in the server

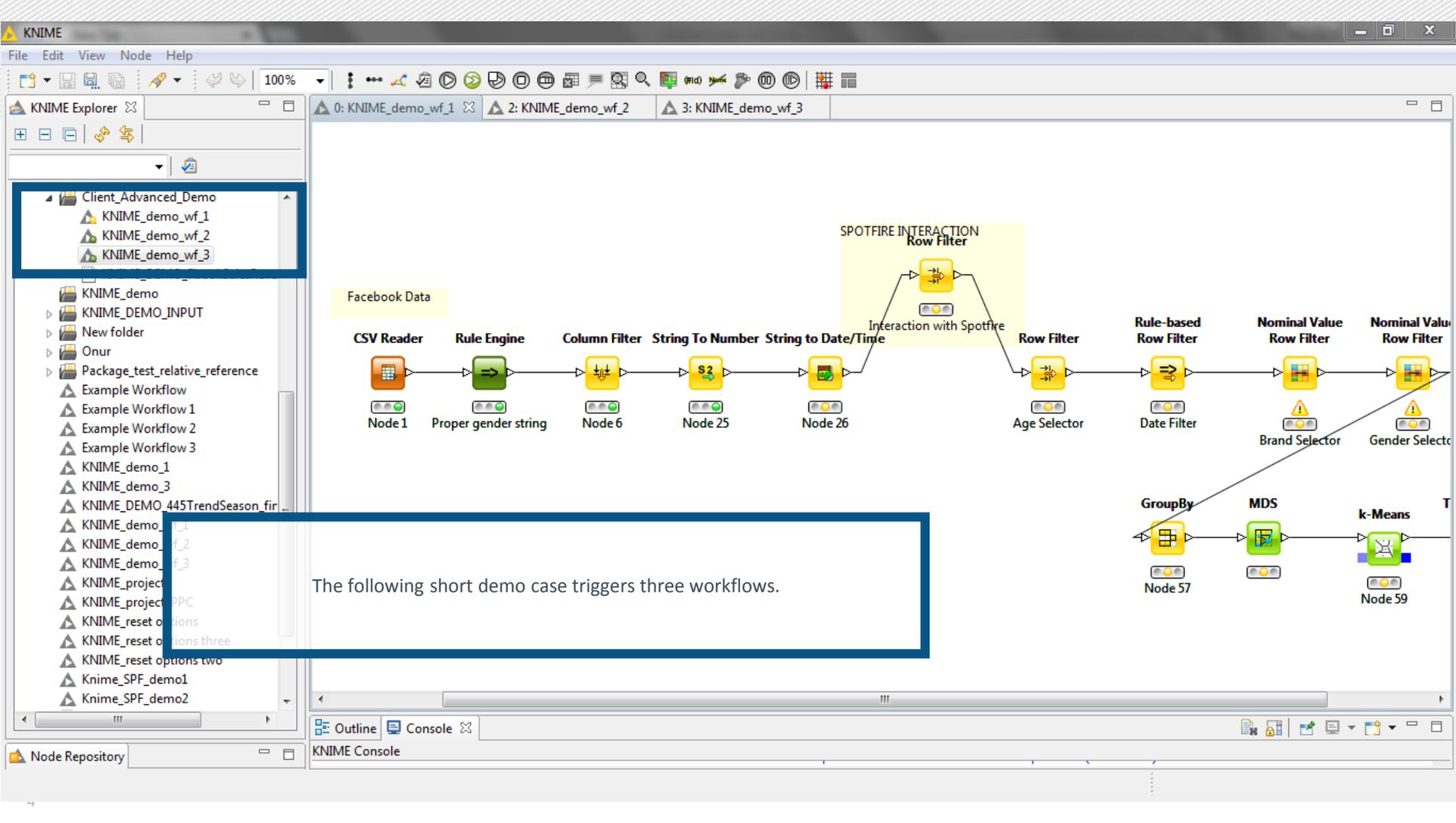
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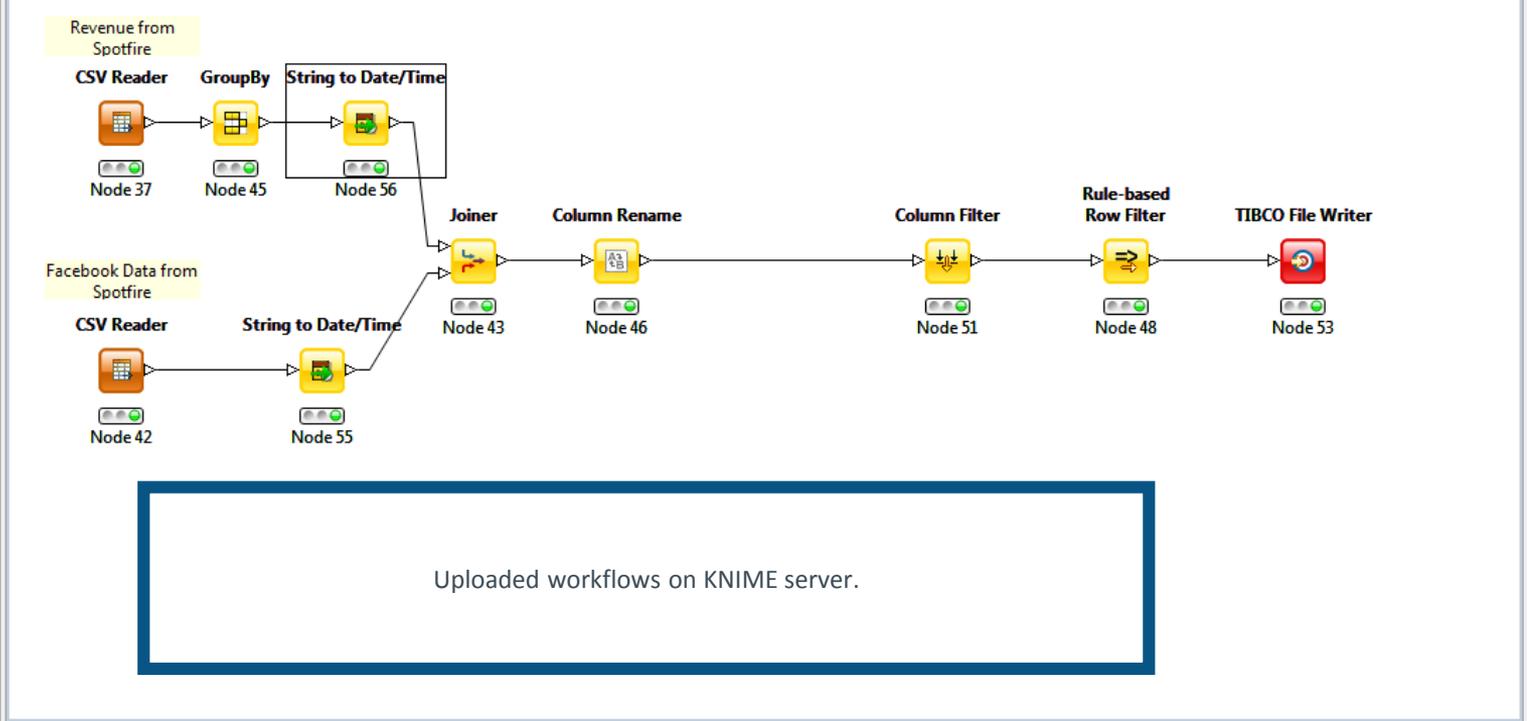
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KNIME Explorer

- SRV-KNIME02 (rszabo@10.101.0.213)
 - Amazon_input_files
 - Amazon_output_files
 - clients
 - demo
 - Attila
 - Client_demo
 - KNIME_demo_wf_1
 - KNIME_demo_wf_2
 - KNIME_demo_wf_3
 - juitz
 - msereg
 - install_package
 - FIRST_TEST.stdf
 - output_sample_file_10.stdf
- SRV-KNIME04 (rszabo@10.101.0.132:3700)
- EXAMPLES (guest@publicserver.knime.or
- LOCAL (Local Workspace)

This is a temporary copy of a downloaded workflow. Use "Save As..." to permanently store it locally.



Uploaded workflows on KNIME server.



I Total Fans vs Engaged Users

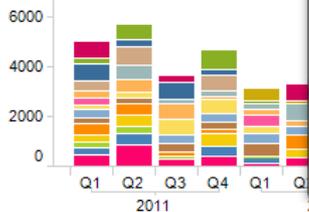


● New Fans
● No longer fans
● Engaged users

Q3 Q4

3

I Change of Friends of Fans Ov



KNIME Data Function Setup - KrimDesktop

1 **Select a Data function** 2 KNIME Connection 3 Workflow selection 4 Workflow configuration 5 Spotfire input selection

KNIME Desktop
 KNIME Server

What is the KNIME - TIBCO Spotfire Integration?

Business analysts are often faced with multiple technical challenges when optimizing and customizing their reports. For instance, dealing with many data tables from many different sources is nearly impossible without further complex time consuming data manipulations.

The KNIME-Spotfire Integration extension addresses this issue by facilitating table combinations from the ETL process.

Any KNIME workflow can be run through the Spotfire template according to the chosen scope of analysis. This process is effectively, every time the scope is modified, running the data through the KNIME workflow according to this new selection and instantly refreshing the data in the template. The visualization page, graphs update automatically, without any further steps or manual touches needed.

Data Function to access the workflows on the server.

Features:

- Handle workspace online and offline
- Browse KNIME workflows from Spotfire
- Set workflow parameters from Spotfire
- Run registered KNIME workflows from Spotfire
- Automatic data refresh

Hungary ▾

Number of clusters

3,00

Desktop Execute

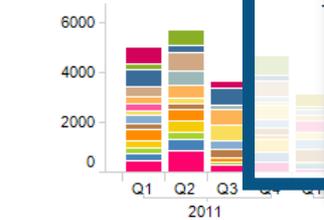
Server Execute



Total Fans vs Engaged Users



Change of Friends of Fans



KNIME Data Function Setup - KrimServer

1 Select a Data function 2 **KNIME Connection** 3 Workflow selection 4 Workflow configuration 5 Spotfire input selection

KNIME Connection Settings

KNIME Server

KNIME server URL:

Username: Password:

Shared Folder:

Domain: Username: Password:

KNIME Desktop

KNIME executable:

Workspace Folder:

To access workflows on the KNIME server and the workflow repository folder, the connector need credentials. Authentication possible to KNIME server or specific folder.

- New Fans
- No longer fans
- Engaged users

2 Q3 Q4
2013

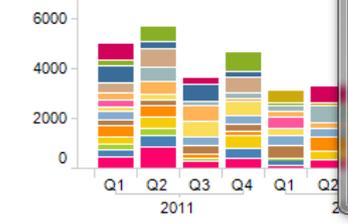
Hungary ▼

Number of clusters

Total Fans vs Engaged Users



Change of Friends of Fans Over Time



KNIME Data Function Setup - KnimeServer

1 Select a Data function 2 KNIME Connection 3 **Workflow selection** 4 Workflow configuration 5 Spotfire input selection

- demo
 - Attila
 - Client_demo
 - KNIME_demo_wf_1
 - KNIME_demo_wf_2
 - KNIME_demo_wf_3
 - juitz

Select the uploaded workflows from the server.

Warning: Please make sure that your KNIME workflow is working properly: the workflow runs smoothly from the KNIME Desktop client. If errors occur, warning messages appear when navigation your template.

< Back Next >

- New Fans
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- Engaged users

Romania

Number of clusters: 1,00

Desktop Execute

Server Execute

Total Fans vs Engaged Users



KNIME Data Function Setup - KnimeServer

1 Select a Data function 2 KNIME Connection 3 Workflow selection 4 **Workflow configuration** 5 Spotfire input selection

Workflow Variable configuration

Workflow Variable	Document property
KNIME_demo_wf_1	clusterNum (3)
Country	Country (Hungary)

Workflow input files

Workflow input file	Datatable
KNIME_demo_wf_1	
/demo/Client_demo/KNIME_demo_wf_1\Fac...	None
KNIME_demo_wf_2	
/demo/Client_demo/KNIME_demo_wf_2\Pro...	None
/demo/Client_demo/KNIME_demo_wf_2\Sale...	None
KNIME_demo_wf_3	
/demo/Client_demo/KNIME_demo_wf_3\Fac...	Facebook_KNIME
/demo/Client_demo/KNIME_demo_wf_3\Fbo...	SalesProduct_KNIME

Select SessionId Type: Unique

By user

Unique

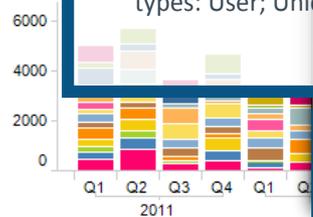
< Back Next >

- New Fans
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Q3 Q4

3

Change of Friends of Fans



The Session ID feature: in the connector you can choose from among session types: User; Unique; None. Adding session ID prevents collisions (simultaneous usage)

Hungary

Number of clusters

3,00

Desktop Execute

Server Execute

Name	Ext	Size	Changed	Rights	Owner
			2015.03.12. 13:51:33	rwsrwsrwt	knime
Facebook_KNIMErszabo-HU1-NOTE044-12472	.stdf	36 093 B	2015.03.20. 16:34:03	rw-r--r--	root
Facebook_KNIME_MDSrszabo-HU1-NOTE044-12472	.stdf	3 762 B	2015.03.20. 16:34:03	rw-r--r--	root
Revenue_KNIME	.stdf	11 823 B	2015.03.20. 16:30:50	rw-r--r--	root
SalesProduct_KNIME	.stdf	309 KiB	2015.03.20. 16:30:48	rw-r--r--	root
Facebook_KNIME_MDS	.stdf	3 800 B	2015.03.20. 16:30:45	rw-r--r--	root
Facebook_KNIME	.stdf	32 736 B	2015.03.20. 16:30:45	rw-r--r--	root
Facebook_KNIMErszabo	.stdf	36 153 B	2015.03.20. 14:16:02	rw-r--r--	root
Facebook_KNIME_MDSrszabo	.stdf	3 632 B	2015.03.20. 14:16:02	rw-r--r--	root
PxMjuitz-HU1-NOTE131-3868	.sdf	1 846 B	2015.03.19. 14:35:01	rw-r--r--	root
PxMjuitz-HU1-NOTE131-3868	.sbdf	1 730 B	2015.03.19. 14:35:01	rw-r--r--	root
Monthlyjuitz-HU1-NOTE131-3868	.stdf	80 469 B	2015.03.19. 14:35:01	rw-r--r--	root
Monthlyjuitz-HU1-NOTE131-3868	.sbdf	77 486 B	2015.03.19. 14:35:01	rw-r--r--	root
Monthlyjuitz-HU1-NOTE131-10720	.stdf	89 469 B	2015.03.19. 14:19:45	rw-r--r--	root
Monthlyjuitz-HU1-NOTE131-10720	.sbdf	77 486 B	2015.03.19. 14:19:45	rw-r--r--	root
PxMjuitz-HU1-NOTE131-10720	.stdf	1 846 B	2015.03.19. 14:19:44	rw-r--r--	root
PxMjuitz-HU1-NOTE131-10720	.sbdf	1 730 B	2015.03.19. 14:19:44	rw-r--r--	root
PxMjuitz-HU1-NOTE131-11120	.stdf	1 846 B	2015.03.19. 13:33:34	rw-r--r--	root
PxMjuitz-HU1-NOTE131-11120	.sbdf	1 730 B	2015.03.19. 13:33:34	rw-r--r--	root
Monthlyjuitz-HU1-NOTE131-11120	.stdf	89 469 B	2015.03.19. 13:33:34	rw-r--r--	root
Monthlyjuitz-HU1-NOTE131-11120	.sbdf	77 486 B	2015.03.19. 13:33:34	rw-r--r--	root
PxMjuitz-HU1-NOTE131-7216	.stdf	1 846 B	2015.03.19. 13:29:05	rw-r--r--	root
PxMjuitz-HU1-NOTE131-7216	.sbdf	1 730 B	2015.03.19. 13:29:05	rw-r--r--	root
Monthlyjuitz-HU1-NOTE131-7216	.stdf	89 469 B	2015.03.19. 13:29:05	rw-r--r--	root
Monthlyjuitz-HU1-NOTE131-7216	.sbdf	77 486 B	2015.03.19. 13:29:05	rw-r--r--	root
Monthlyjuitz-HU1-NOTE131-10572	.stdf	89 469 B	2015.03.19. 13:26:29	rw-r--r--	root
Monthlyjuitz-HU1-NOTE131-10572	.sbdf	77 486 B	2015.03.19. 13:26:29	rw-r--r--	root
PxMjuitz-HU1-NOTE131-10572	.stdf	1 846 B	2015.03.19. 13:26:28	rw-r--r--	root
PxMjuitz-HU1-NOTE131-10572	.sbdf	1 730 B	2015.03.19. 13:26:28	rw-r--r--	root
PxMjuitz-HU1-NOTE131-9388	.stdf	1 846 B	2015.03.19. 12:24:56	rw-r--r--	root
PxMjuitz-HU1-NOTE131-9388	.sbdf	1 730 B	2015.03.19. 12:24:56	rw-r--r--	root

The Session ID feature is append the username or a unique ID to the output files. This prevents collision while being run by multiple users.

Use Cases

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Since there are several users, there is big probability of a simultaneous usage of a workflow. Can cause collision

2. DXPs hosted in the library

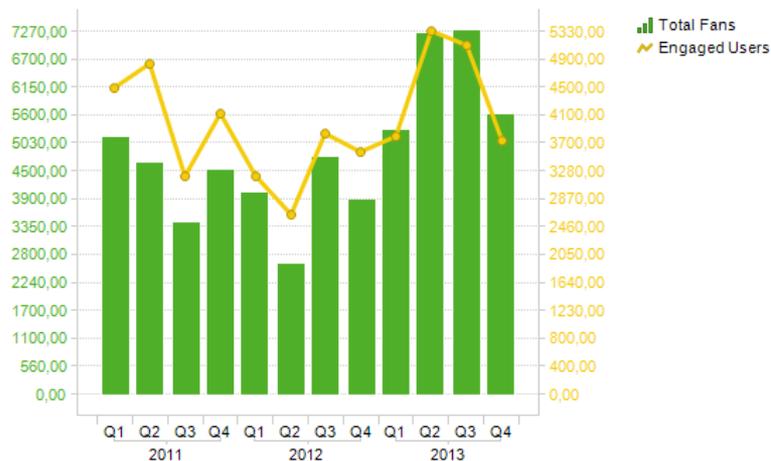
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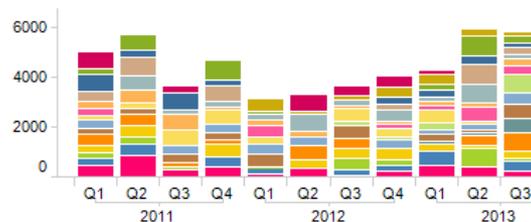
Total Fans vs Engaged Users



Fans Fluctuations



Change of Friends of Fans Over Time



New Fans vs Page Views



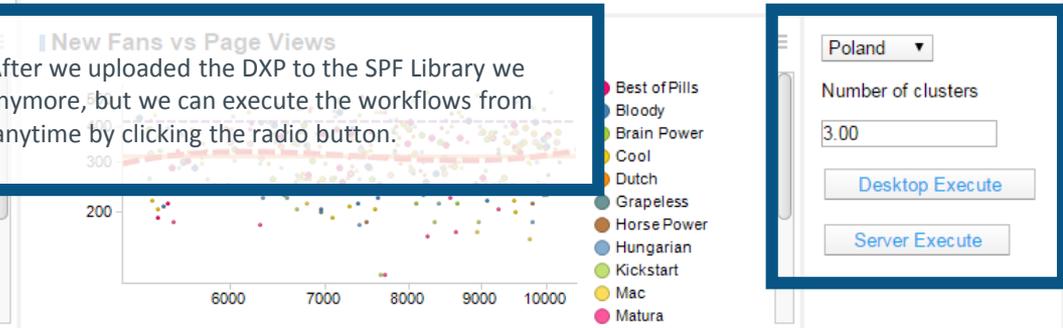
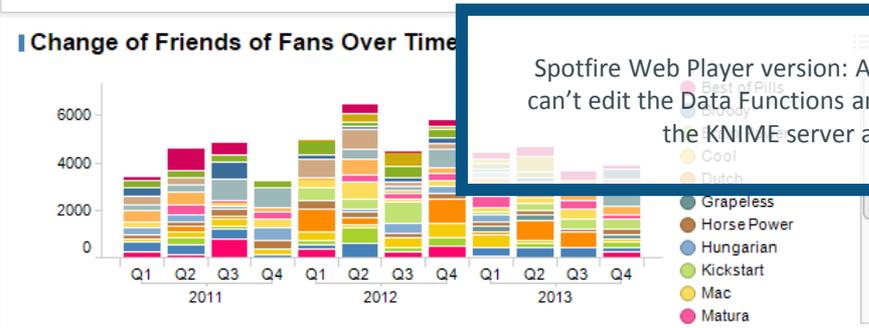
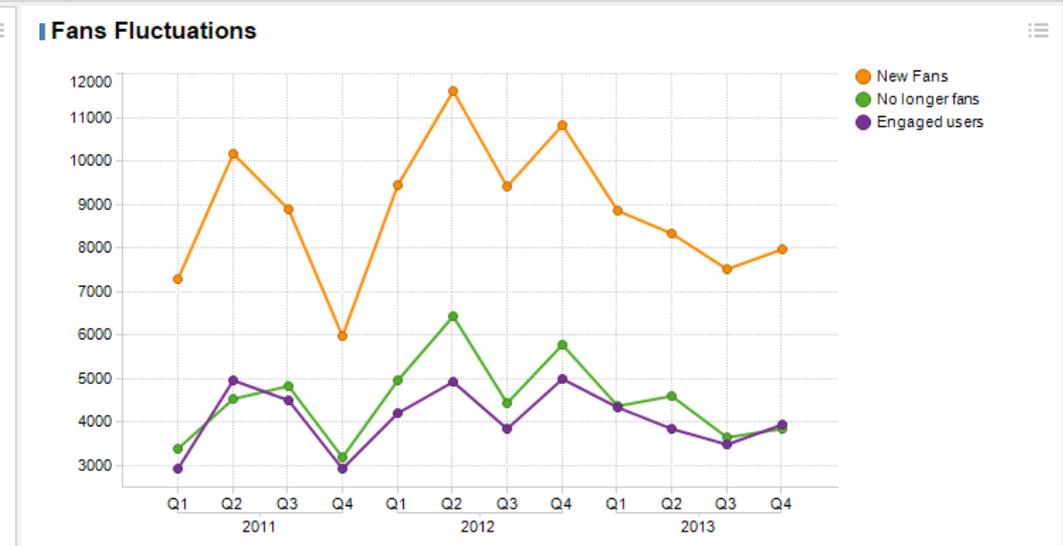
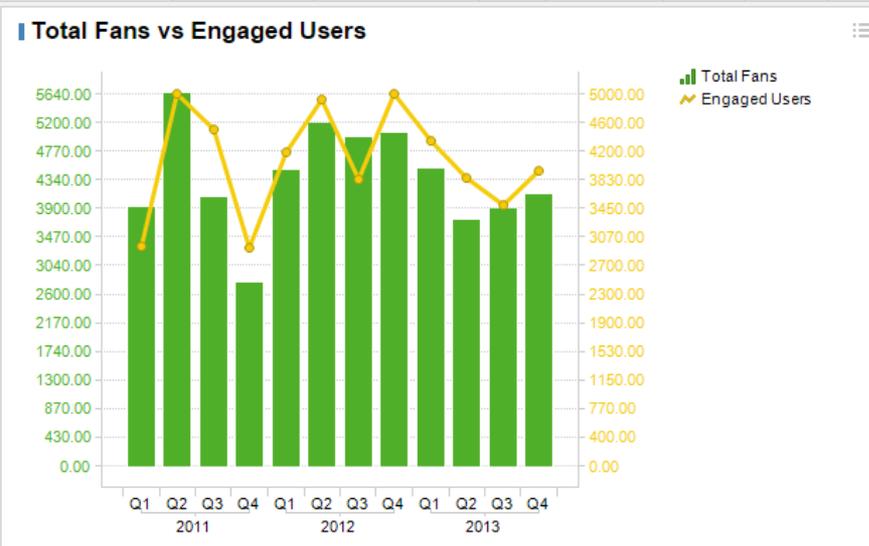
Romania

Number of clusters

1,00

Desktop Execute

Server Execute



Spotfire Web Player version: After we uploaded the DXP to the SPF Library we can't edit the Data Functions anymore, but we can execute the workflows from the KNIME server anytime by clicking the radio button.

Poland

Number of clusters

3.00

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Server Execute

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Use Case: Authentication to the workflow

Setup:

SPF stores the credentials of the author of the data function. The KNIME workflow is triggered by the name of this user.

Planned InfomatiX backlog for Q2:

1. In case the author/current user of the data function is different from the author/authorized user of the KNIME workflow, the connector requests password
2. Enable Windows AD authentication and user grouping
3. When authentication within KNIME workflow (eg. data source auth), then one of the two options above triggered

Thank you