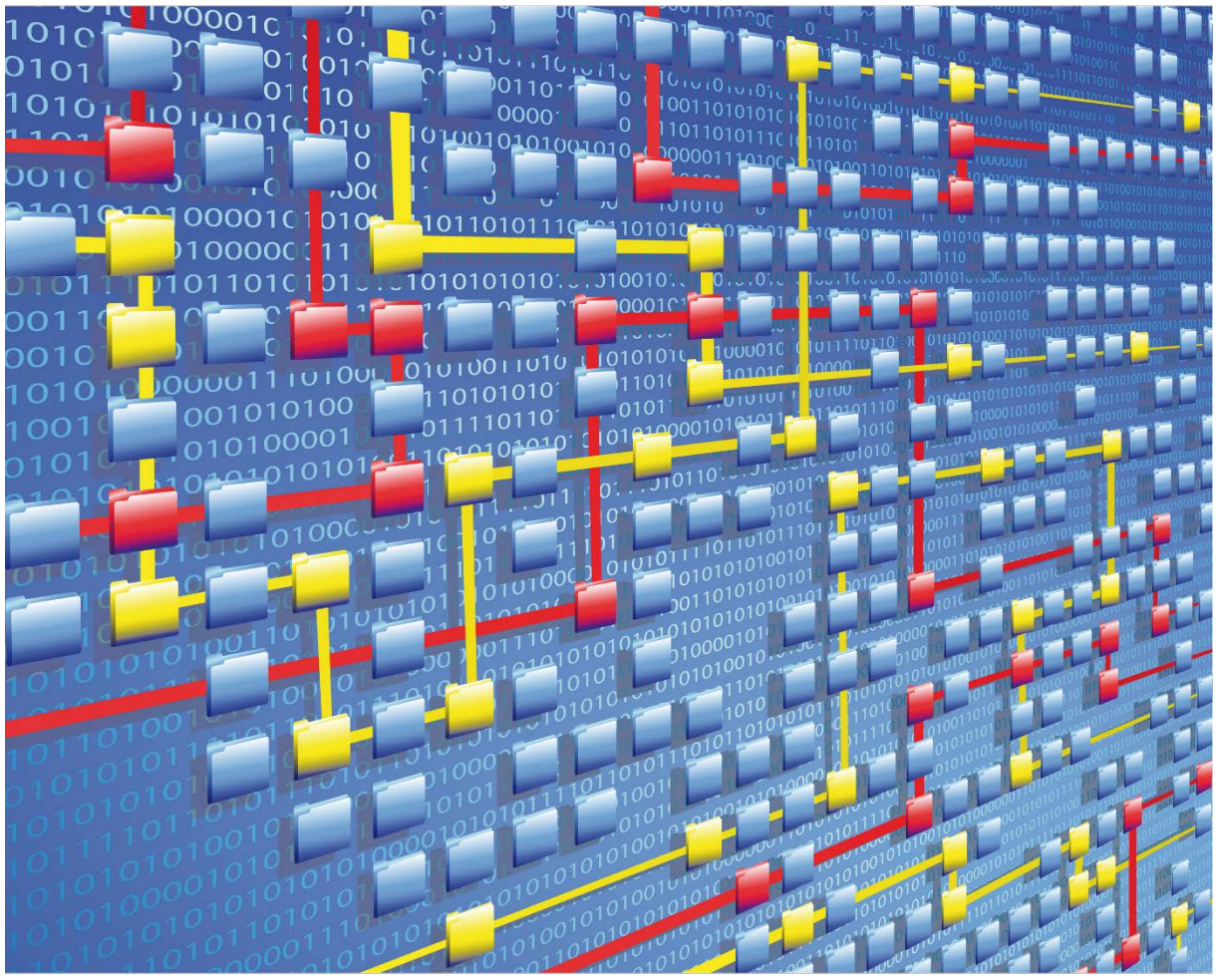
IEEE Task Force on



Process Mining

XES CERTIFICATION FOR PROCESSGOLD 14

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Tool

NAME

ProcessGold

VENDOR

ProcessGold International

VERSION

14

REQUESTED CERTIFICATION LEVELS

Import

A-X

Export

None

META

Meta

AUTHORS

Guido Boshouwers

DATE

06/12/2018

HISTORY

CHANGES

AUTHOR(S)	DATE	DESCRIPTION
Guido Boshouwers	06/12/2018	Creation of this document

Import

ARTIFICIAL LOGS

FILTERED REPAIREXAMPLE LOGS

NAME	LEVEL	EVENT ATTRIBUTE KEYS (IF BOLD THEN GLOBAL)
LevelA1	A1	**concept:name**
LevelA2	A2	Classifier (**concept:name** AND **lifecycle:transition**)
LevelB1	B1	**concept:name**, **lifecycle:transition**, **time:timestamp**
LevelB2	B2	Classifier (**concept:name** AND **lifecycle:transition**), **time:timestamp**
LevelC1	C1	**concept:name**, **org:resource**
LevelC2	C2	Classifier (**concept:name** AND **lifecycle:transition**), **org:resource**
LevelD1	D1	**concept:name**, **concept:instance**, **lifecycle:transition**, **org:resource**, **org:group**, org:role, **time:timestamp**
LevelD2	D2	Classifier (**concept:name** AND **lifecycle:transition**), **concept:instance**, **org:resource**, **org:group**, org:role, **time:timestamp**
FlagX1	X1	defectFixed, defectType, **Key 1**, Key 2, **Key 3**, **Key 4**, **Key 6**, phoneType, numberRepairs, **{0,1,2} 2Sa!! +1 <x>**, ITEMS:41, #1, o.1.1
FlagX2	X2	defectFixed, defectType, Classifier (**Key 1** AND **Key 6**),

	Key 2, **Key 3**, **Key 4**, phoneType, numberRepairs, **{0,1,2} 2Sa!! +1 <x>**, ITEMS:41, #1, o.1.1

ATTRIBUTE TYPES AND VALUES

KEYS	TYPE	VALUES
concept:instance **Key 2**	string	instance 1 instance 2 instance 3 instance 4
concept:name (A1 and C1 logs)	string	Analyze Defect+complete Analyze Defect+start Archive Repair+complete Inform User+complete Register+complete Repair (Complex)+complete Repair (Complex)+start Repair (Simple)+complete Repair (Simple)+start Restart Repair+complete Test Repair+complete Test Repair+start
concept:name (other logs) **Key 1**	string	Analyze Defect Archive Repair Inform User Register Repair (Simple) Repair (Complex) Restart Repair Test Repair
lifecycle:transition **Key 6**	string	start complete
org:group **{0,1,2} 2Sa!! +1 <x>**	string	Group - Group 1, 3, and 5 Group 2 and 4
org:resource **Key 3**	string	SolverC1 SolverC2 SolverC3 SolverS1 SolverS2 SolverS3

		System Tester1 Tester2 Tester3 Tester4 Tester5 Tester6
org:role **ITEMS:41, #1, o.1.1**	string	Role 1, 2, and 3 Role 10 Role 9
time:timestamp **Key 4**	date	*Like* 1970-01-02T12:23:56.720+01:00
defectFixed	boolean	true false
defectType	int	1 10 2 3 4 5 6 7 8 9
numberRepairs	int	0 1 2 3
phoneType	String	T1 T2 T3

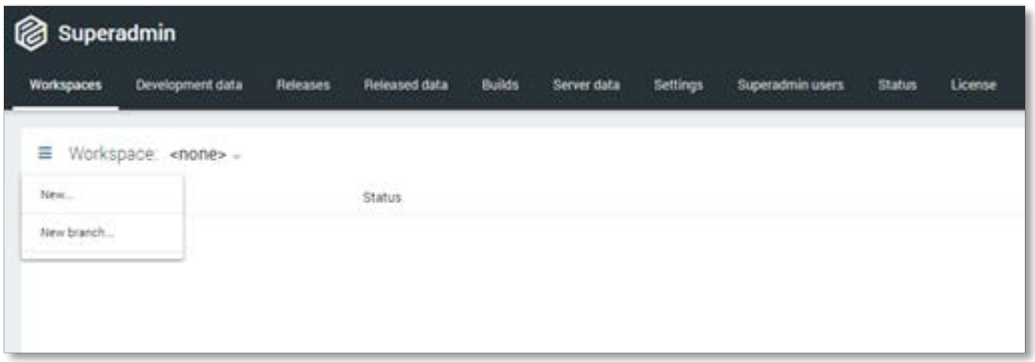
IMPORT

Assumptions

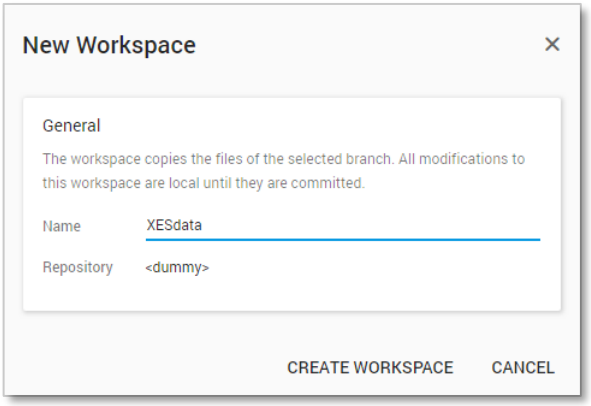
- User has access to a ProcessGold server environment
- User has access to a valid ProcessGold Developer login

Creating a workspace and application

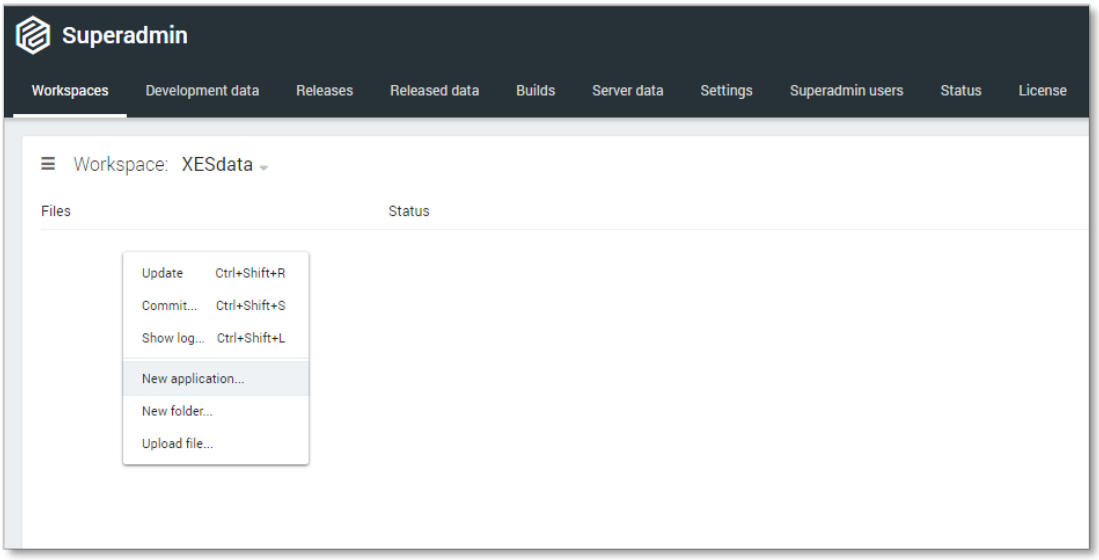
- Log into the ProcessGold server using your credentials.
- Go to the Workspaces tab
- Click the menu button and select *New*.



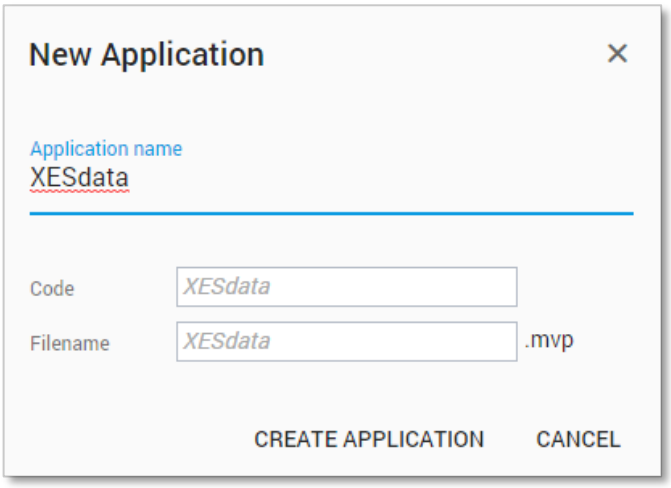
- Set repository to <dummy> and enter a name for the workspace. Click *Create workspace*.



- In the Files list, right-click and select *New application*.



- Enter an Application name, the other fields will be auto-populated. Click *Create application*.

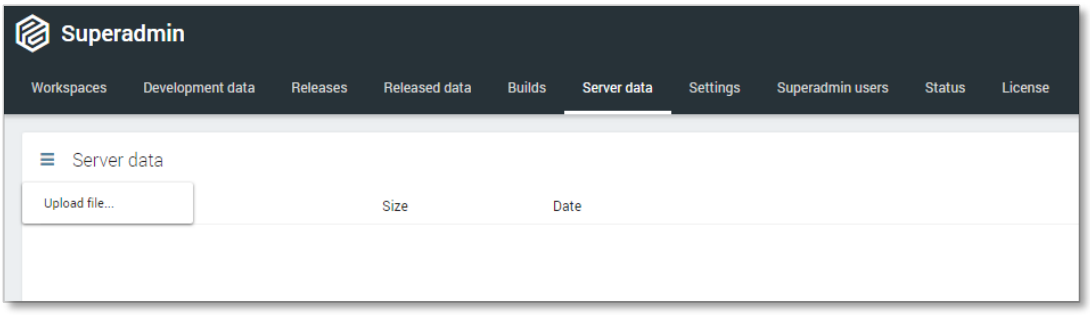


- To open the application, double-click the application file. In the resulting dialog, click *Open*.

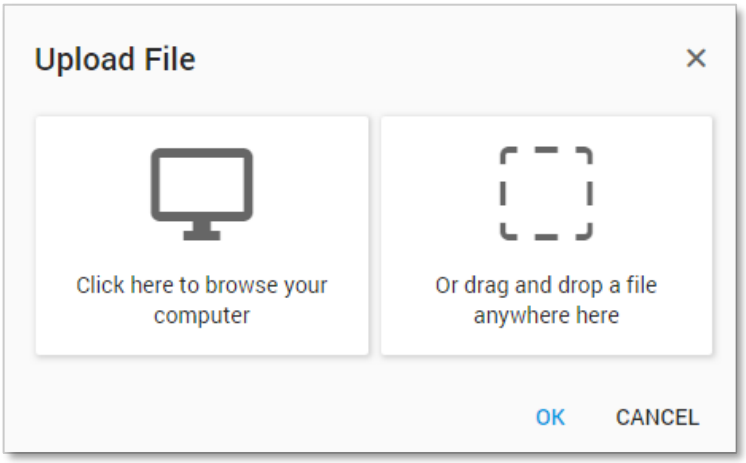
IMPORT

Uploading data to the server

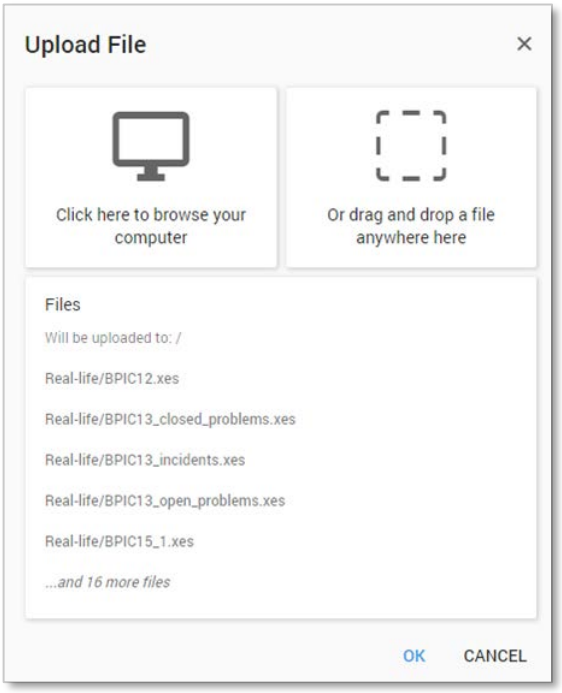
- Log into the ProcessGold server using your credentials.
- Go to the Server data tab
- Click the menu button and select *Upload file*.



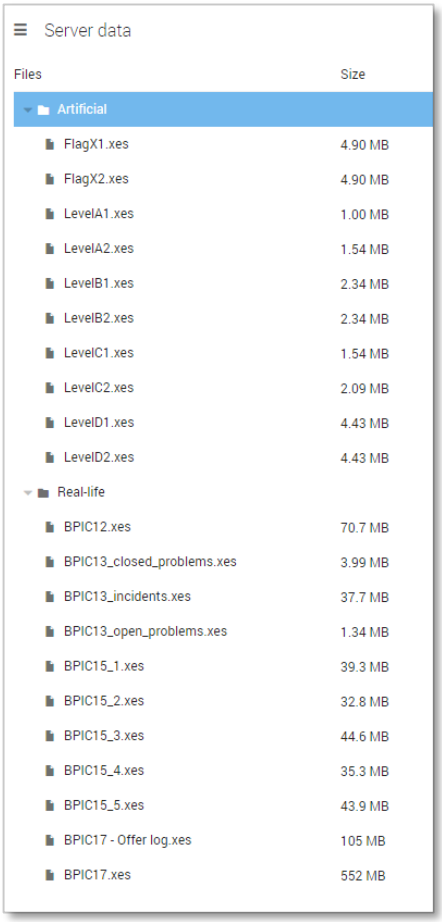
- Here you can either drop the files you need or open a file explorer to select the files you want. It is possible to select maps and multiple files.



- After selecting the files, click OK to upload the files.



- Now the files are available in your applications.

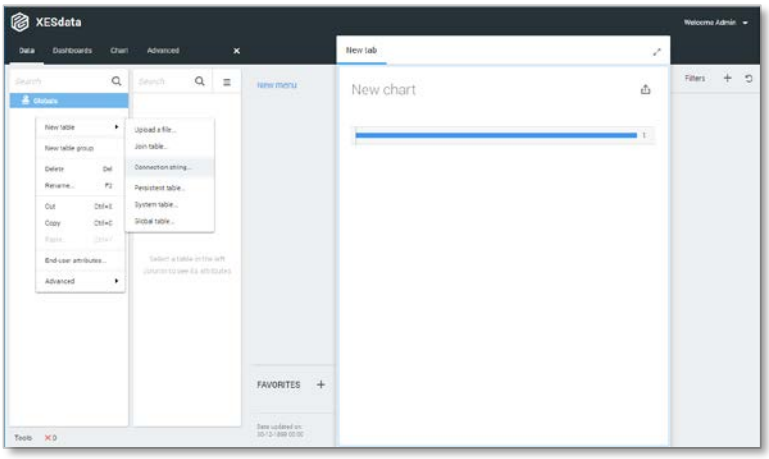


NOTE: the following steps will assume the files have been uploaded as shown above.

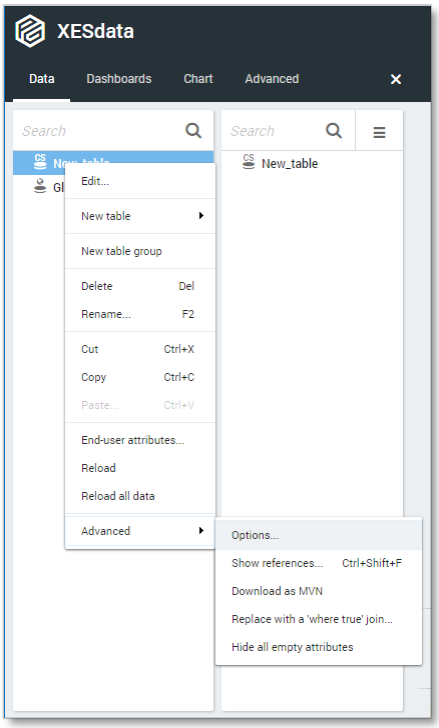
Level A1

Load the data

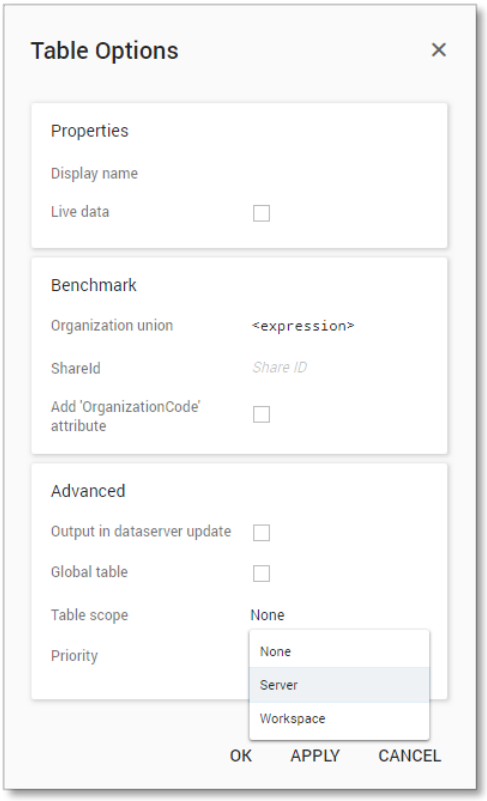
- Open your application
- New applications will ask you to upload data. For now, we can cancel this dialog.
- Go to the Data tab
- Right-click the table list and select *New table > Connection string*.



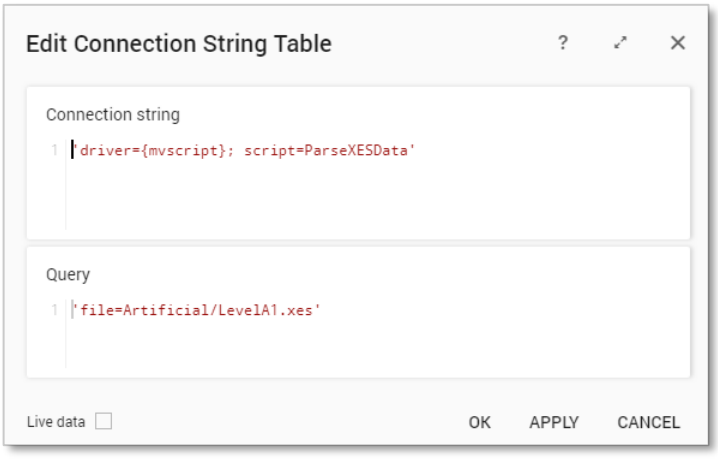
- A New_table item has been created. Right-click the item and select *Advanced > Options*.



- In the opened dialog, set *Table scope* to *Server* and click OK.

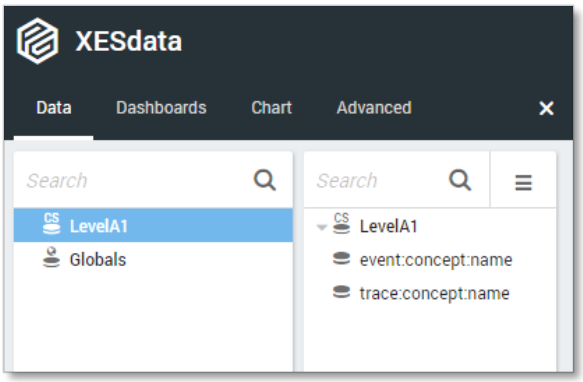


- Edit the table configuration by Right-clicking the New_table and selectiong *Edit*.
- Complete the dialog as follows:



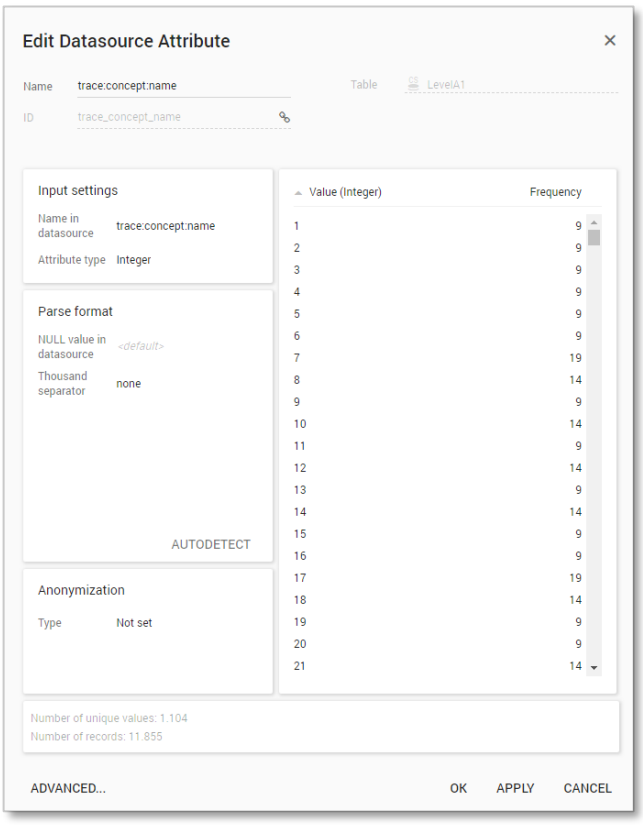
- Click OK in the Edit Connection String Table dialog.
- Click Yes in the Reload data dialog. The data will be loaded.
- Click Yes in the Add new attributes dialog.

- Right-click the New_table option and select *Rename*. Change the name of the table to LevelA1 and click OK.
- The loaded attributes are now visible in the interface.



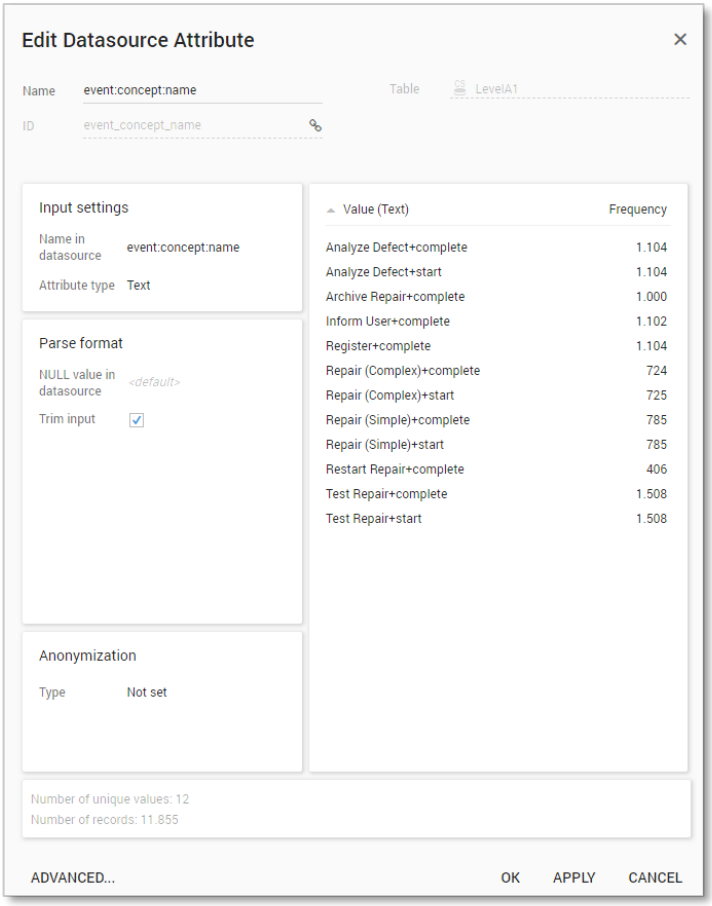
Attributes

- On the data tab, double-click the *trace:concept:name* attribute.



In the right column, the unique values are shown, along with their frequency in the data.

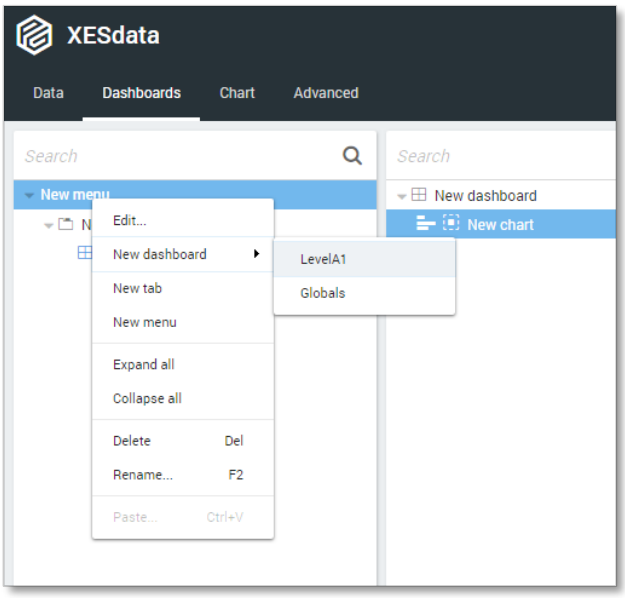
- Click Cancel in the Edit Datasource attribute dialog.
- Double-click the *event:concept:name* attribute.



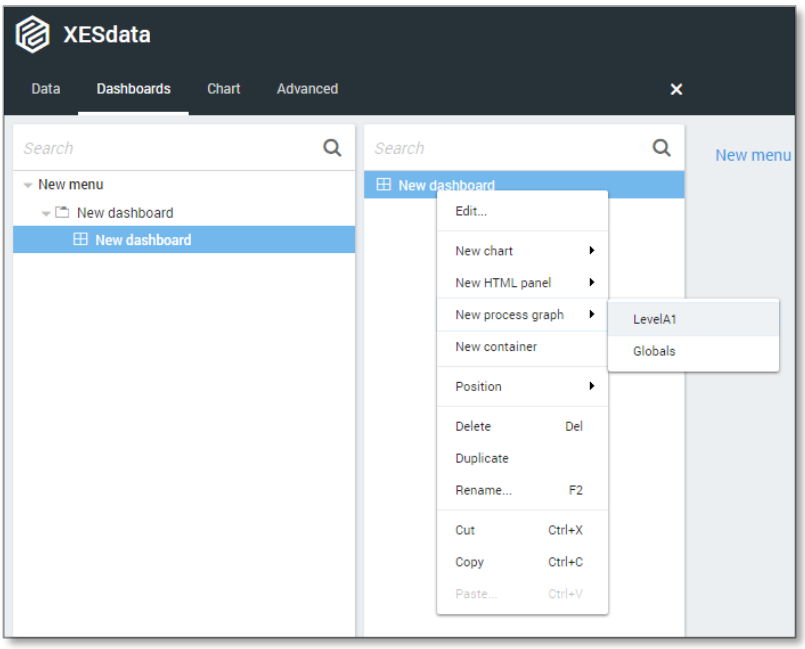
- Click Cancel in this dialog when done.

Create process graph

- Go to the Dashboards tab.
- Right-click the “New menu” item and select *New dashboard > LevelA1*.

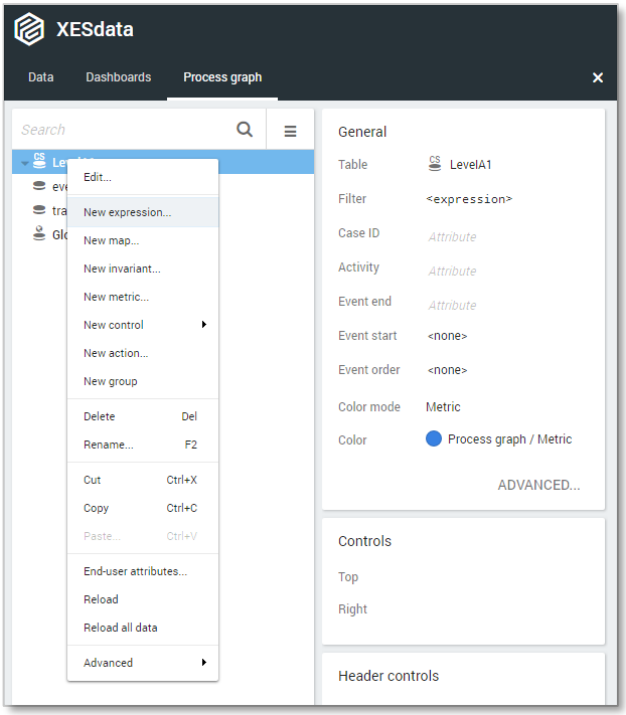


- In the right column, right-click the “New chart” item and select *Delete*.
- Right-click “New dashboard” and select *New process graph > LevelA1*.

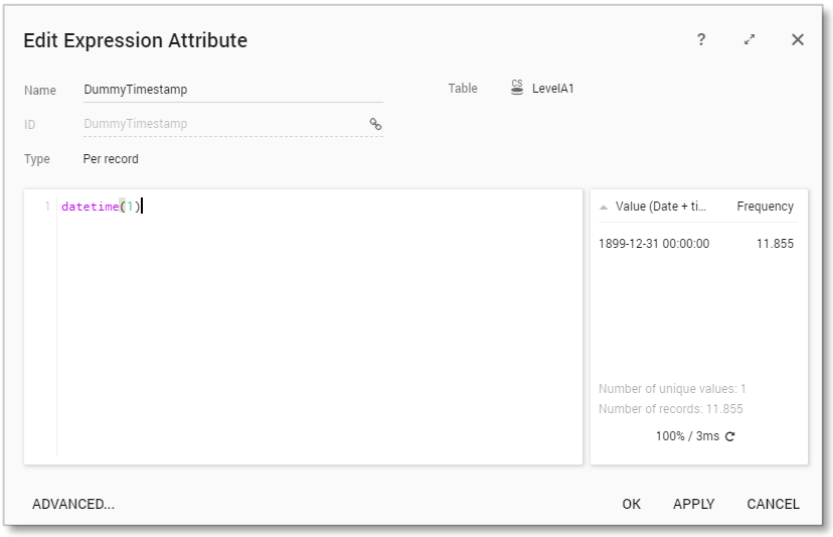


- Go to the new Process graph tab.

- In ProcessGold, a timestamp attribute is mandatory.
- Right-click the LevelA1 table and select *New expression*.

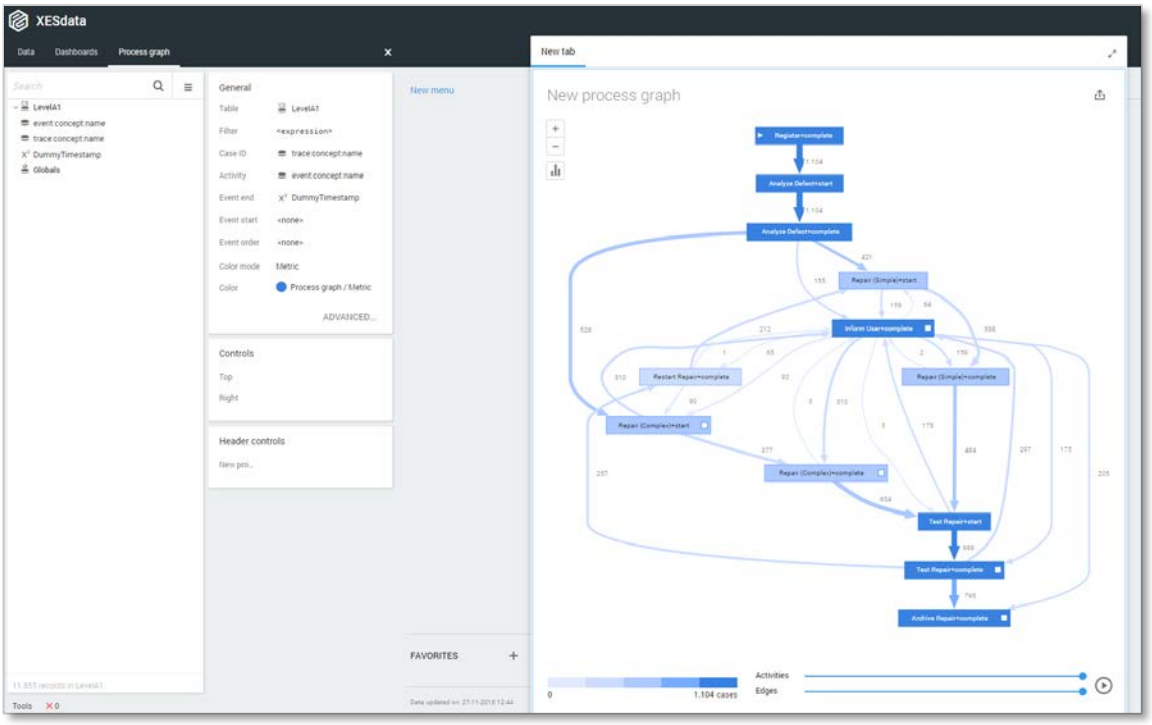


- Change the Name and the contents of the expression as shown below.



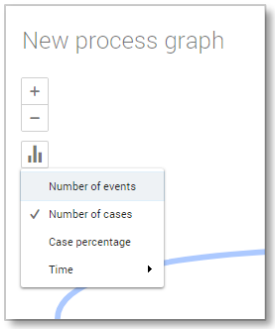
- Click OK to accept the expression.

- In the right column, set the following attributes:
    - Case ID: trace:concept:name
    - Activity: event:concept:name
    - Event end: DummyTimestamp

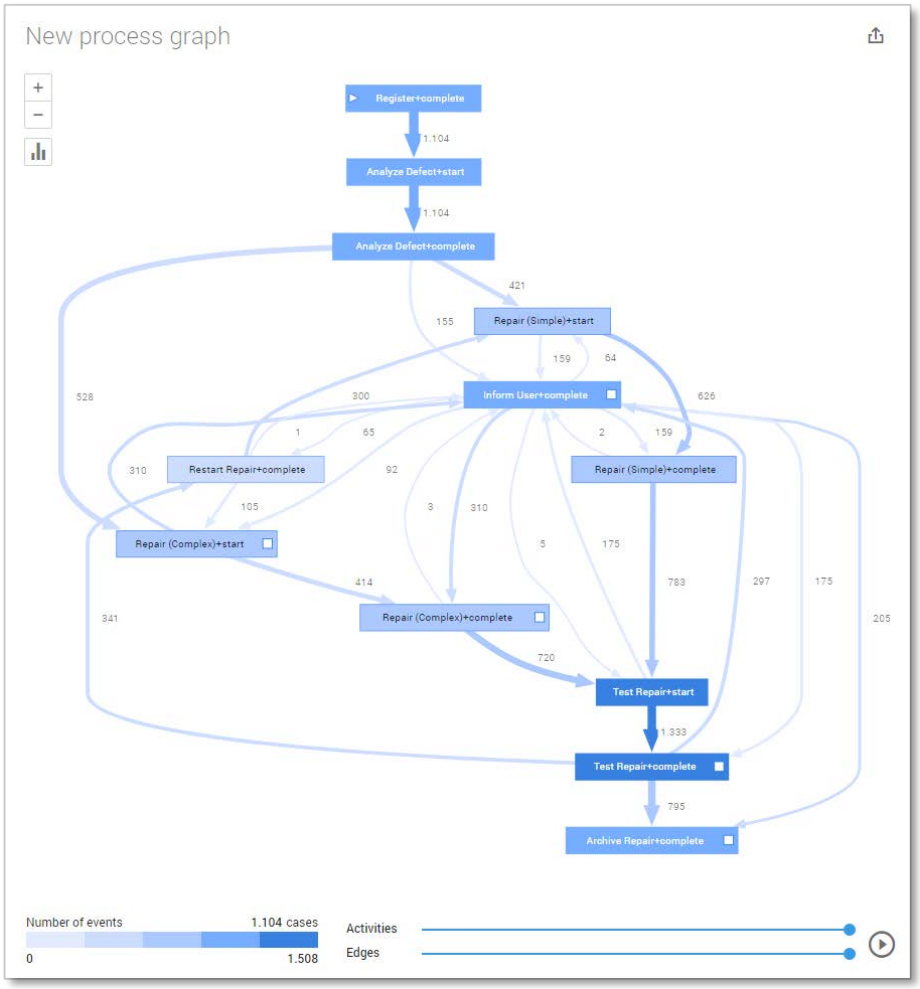


Note that by default, the metric used in a ProcessGold process graph counts the number of cases. To change this, follow the following steps:

- Click the  metric icon in the process graph
- Select the option 'Number of events'



Now the process graph shows the “directly-follows-graph” layout.

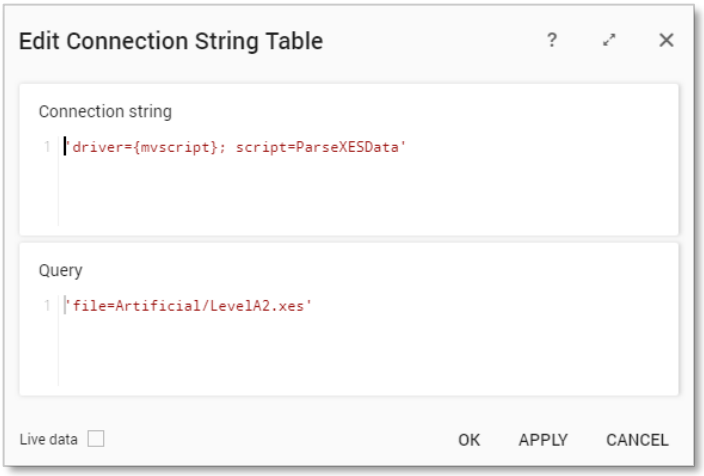


Level A2

Load the data

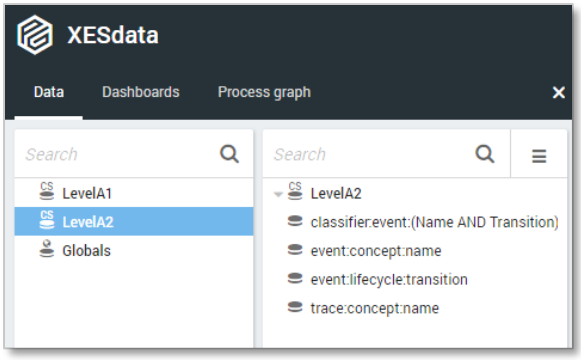
Follow the same steps as in Level A1, except at the following points:

- Use the LevelA2.xes file in the query field of the Connection String:

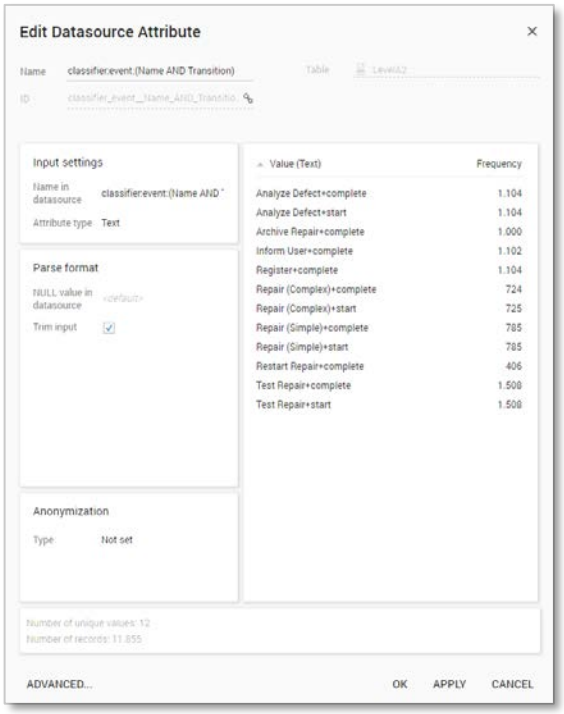


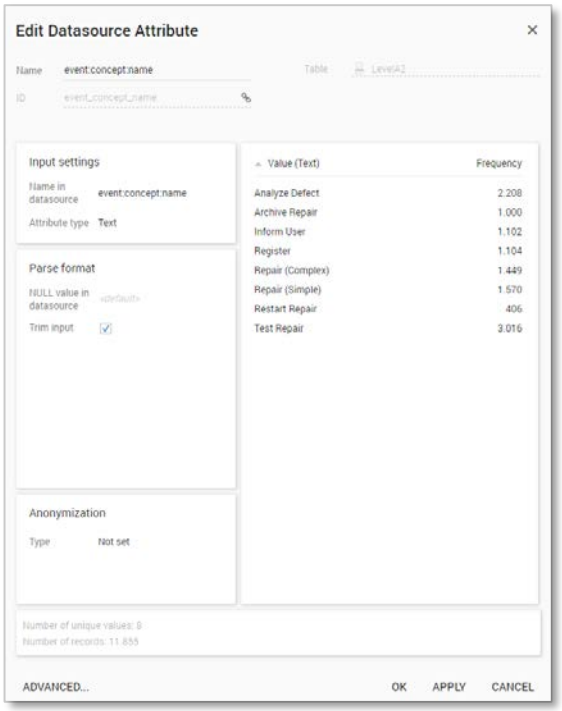
- Rename the newly created table to LevelA2

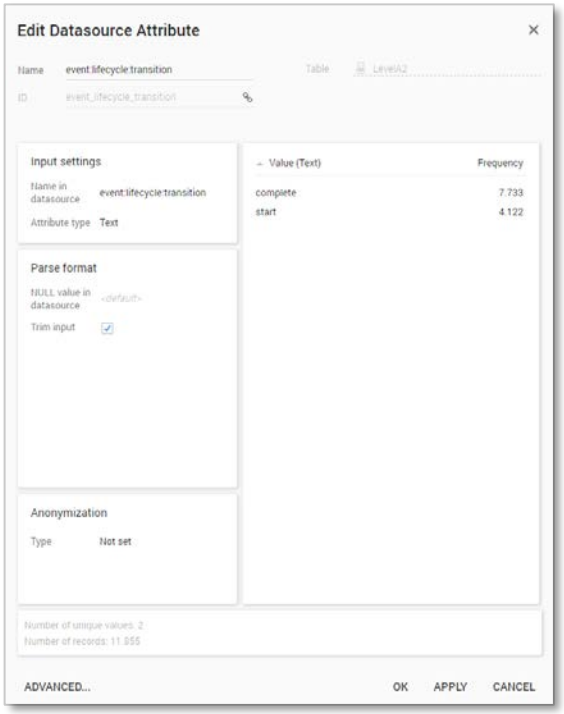
The data will now be correctly loaded.

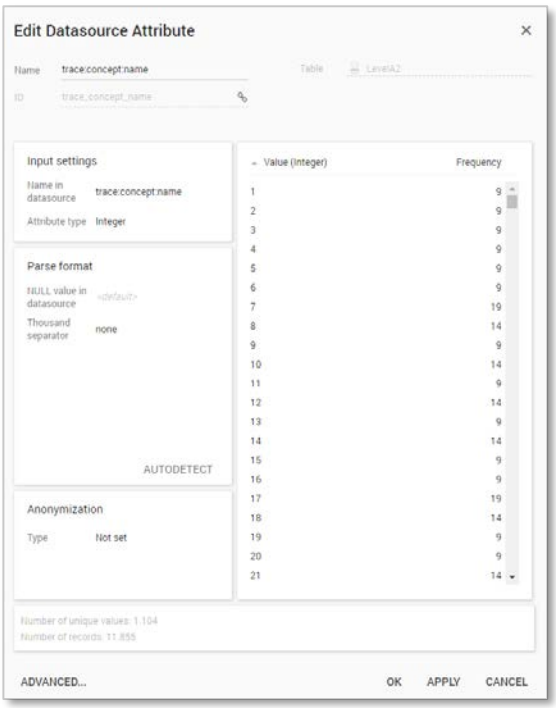


Attributes


Edit Datasource Attribute
Name classifier:event:(Name AND Transition)
Table LevelA2
ID classifier_event__Name_AND_Transitio...
Input settings
Name in datasource classifier:event:(Name AND "
Attribute type Text
Parse format
NULL value in datasource <default>
Trim input
Anonymization
Type Not set
Value (Text) Frequency
Analyze Defect+complete 1.104
Analyze Defect+start 1.104
Archive Repair+complete 1.000
Inform User+complete 1.102
Register+complete 1.104
Repair (Complex)+complete 724
Repair (Complex)+start 725
Repair (Simple)+complete 785
Repair (Simple)+start 785
Restart Repair+complete 406
Test Repair+complete 1.508
Test Repair+start 1.508
Number of unique values: 12
Number of records: 11.855
ADVANCED...
OK
APPLY
CANCEL


Edit Datasource Attribute
Name event:concept:name
Table LevelA2
ID event_concept_name
Input settings
Name in datasource event:concept:name
Attribute type Text
Parse format
NULL value in datasource <default>
Trim input
Anonymization
Type Not set
Value (Text) Frequency
Analyze Defect 2.208
Archive Repair 1.000
Inform User 1.102
Register 1.104
Repair (Complex) 1.449
Repair (Simple) 1.570
Restart Repair 406
Test Repair 3.016
Number of unique values: 8
Number of records: 11.855
ADVANCED...
OK
APPLY
CANCEL


Edit Datasource Attribute
Name event:lifecycle:transition
Table LevelA2
ID event_lifecycle_transition
Input settings
Name in datasource event:lifecycle:transition
Attribute type Text
Parse format
NULL value in datasource <default>
Trim input
Anonymization
Type Not set
Value (Text) Frequency
complete 7.733
start 4.122
Number of unique values: 2
Number of records: 11.855
ADVANCED...
OK
APPLY
CANCEL

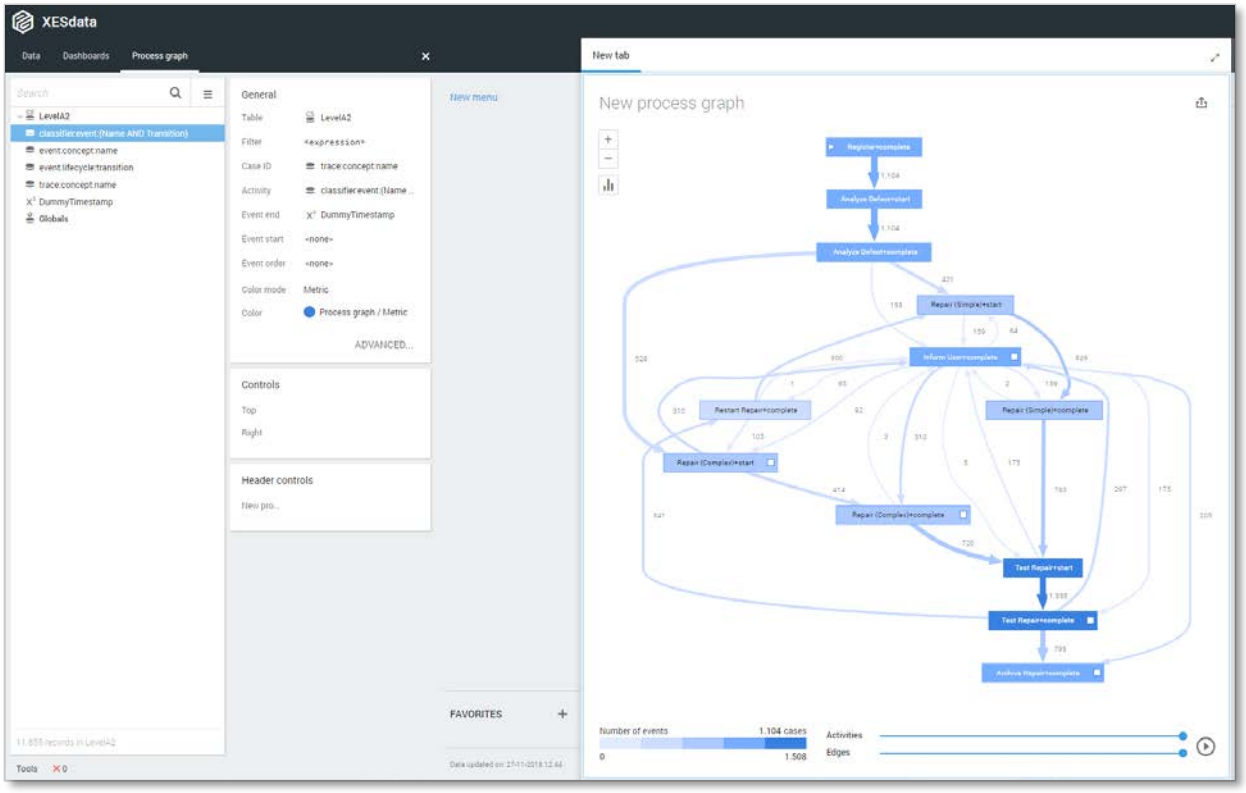

Edit Datasource Attribute
Name trace:concept:name
Table LevelA2
ID trace_concept_name
Input settings
Name in datasource trace:concept:name
Attribute type Integer
Parse format
NULL value in datasource <default>
Thousand separator none
AUTODETECT
Anonymization
Type Not set
Value (Integer) Frequency
1 9
2 9
3 9
4 9
5 9
6 9
7 19
8 14
9 9
10 14
11 9
12 14
13 9
14 14
15 9
16 9
17 19
18 14
19 9
20 9
21 14
Number of unique values: 1.104
Number of records: 11.855
ADVANCED...
OK
APPLY
CANCEL

Create the dashboard

Follow the same steps as in Level A1, except at the following points:

- Create the Process Graph using *New process graph > LevelA2*
- Set the following Process Graph attributes in the right column:
    - Case ID: trace:concept:name
    - Activity: classifier:event:(Name AND Transition)
    - Event end: DummyTimestamp

Now the process graph is visible.

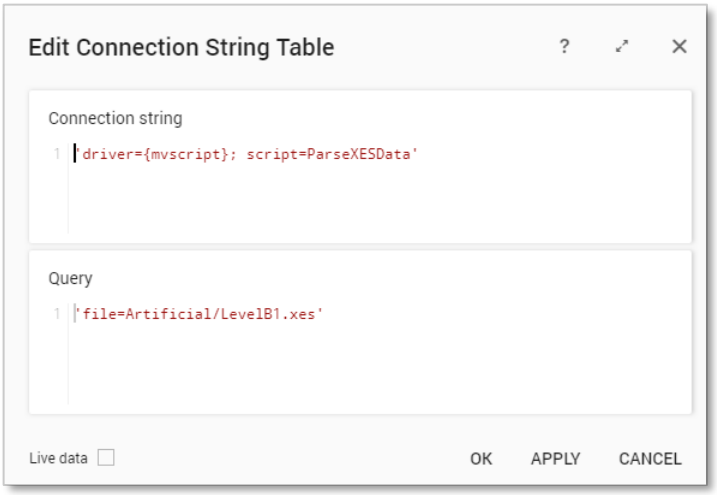


Level B1

Load the data

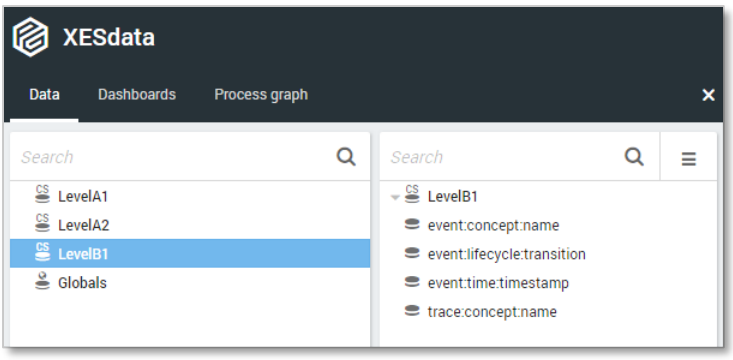
Follow the same steps as in Level A1, except at the following points:

- Use the LevelB1.xes file in the query field of the Connection String:

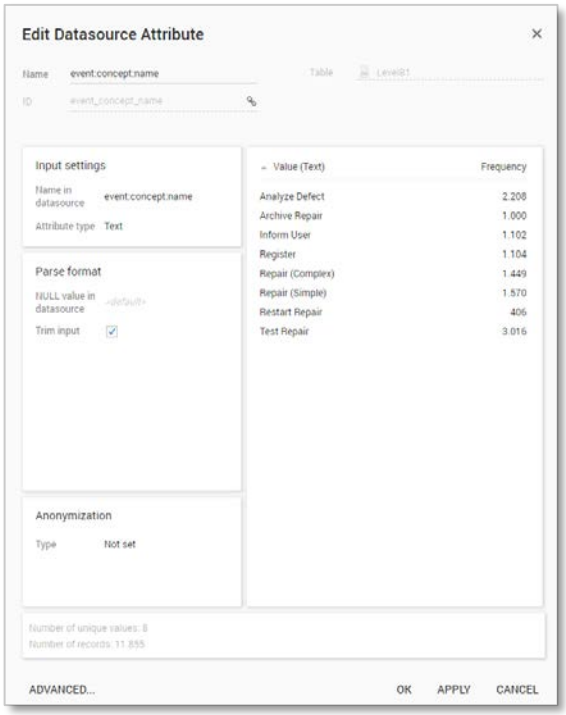


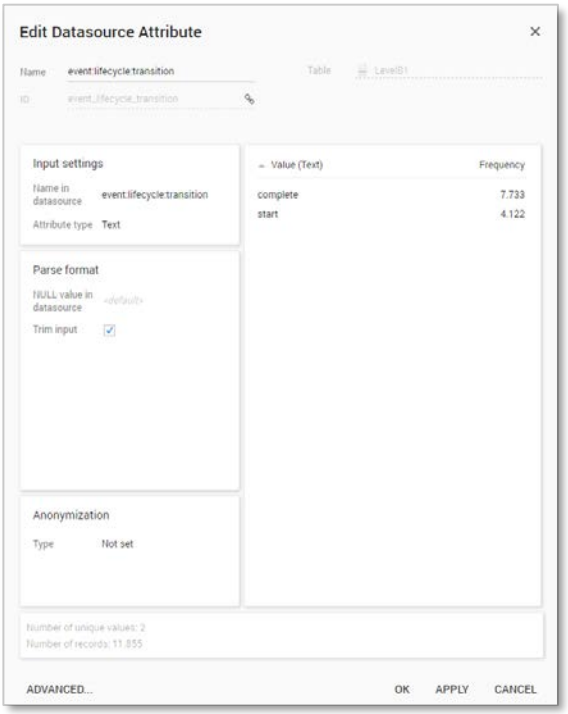
- Rename the newly created table to LevelB1

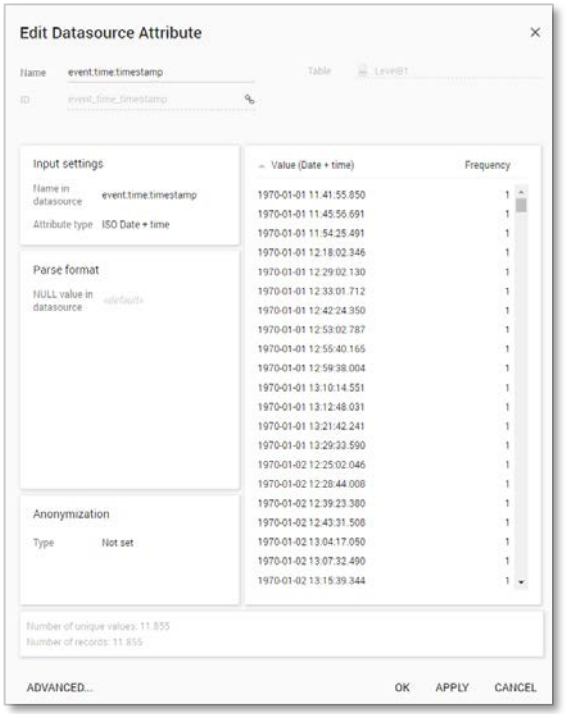
The data will now be correctly loaded.

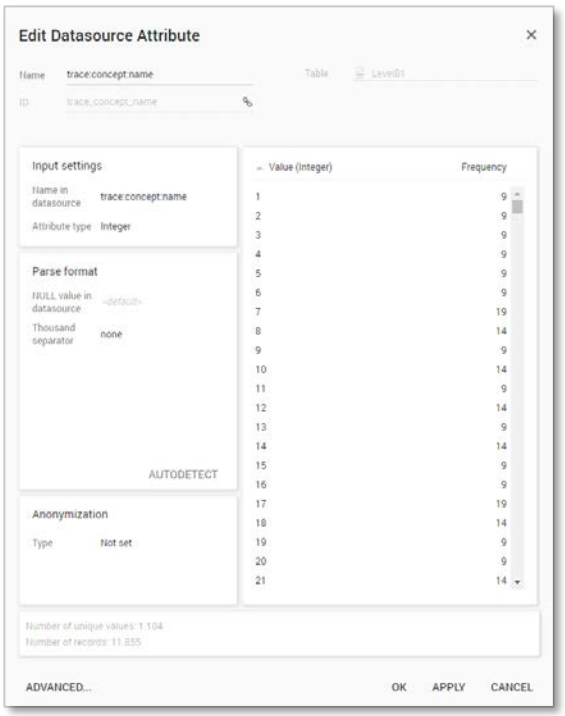


Attributes


Edit Datasource Attribute
Name event:concept:name
Table Level01
ID event_concept_name
Input settings
Name in datasource event:concept:name
Attribute type Text
Parse format
NULL value in datasource «default»
Trim input
Anonymization
Type Not set
Value (Text) Frequency
Analyze Defect 2.208
Archive Repair 1.000
Inform User 1.102
Register 1.104
Repair (Complex) 1.449
Repair (Simple) 1.570
Restart Repair 406
Test Repair 3.016
Number of unique values: 8
Number of records: 11.855
ADVANCED...
OK
APPLY
CANCEL


Edit Datasource Attribute
Name event:lifecycle:transition
Table Level01
ID event_lifecycle_transition
Input settings
Name in datasource event:lifecycle:transition
Attribute type Text
Parse format
NULL value in datasource «default»
Trim input
Anonymization
Type Not set
Value (Text) Frequency
complete 7.733
start 4.122
Number of unique values: 2
Number of records: 11.855
ADVANCED...
OK
APPLY
CANCEL


Edit Datasource Attribute
Name event:time:timestamp
Table Level01
ID event_time_timestamp
Input settings
Name in datasource event:time:timestamp
Attribute type ISO Date + time
Parse format
NULL value in datasource «default»
Anonymization
Type Not set
Value (Date + time) Frequency
1970-01-01 11:41:55.850 1
1970-01-01 11:45:56.691 1
1970-01-01 11:54:25.491 1
1970-01-01 12:18:02.346 1
1970-01-01 12:29:02.130 1
1970-01-01 12:33:01.712 1
1970-01-01 12:42:24.350 1
1970-01-01 12:53:02.787 1
1970-01-01 12:55:40.165 1
1970-01-01 12:59:38.004 1
1970-01-01 13:10:14.551 1
1970-01-01 13:12:48.031 1
1970-01-01 13:21:42.241 1
1970-01-01 13:29:33.590 1
1970-01-02 12:25:02.046 1
1970-01-02 12:28:44.008 1
1970-01-02 12:39:23.380 1
1970-01-02 12:43:31.508 1
1970-01-02 13:04:17.050 1
1970-01-02 13:07:32.490 1
1970-01-02 13:15:39.344 1
Number of unique values: 11.855
Number of records: 11.855
ADVANCED...
OK
APPLY
CANCEL

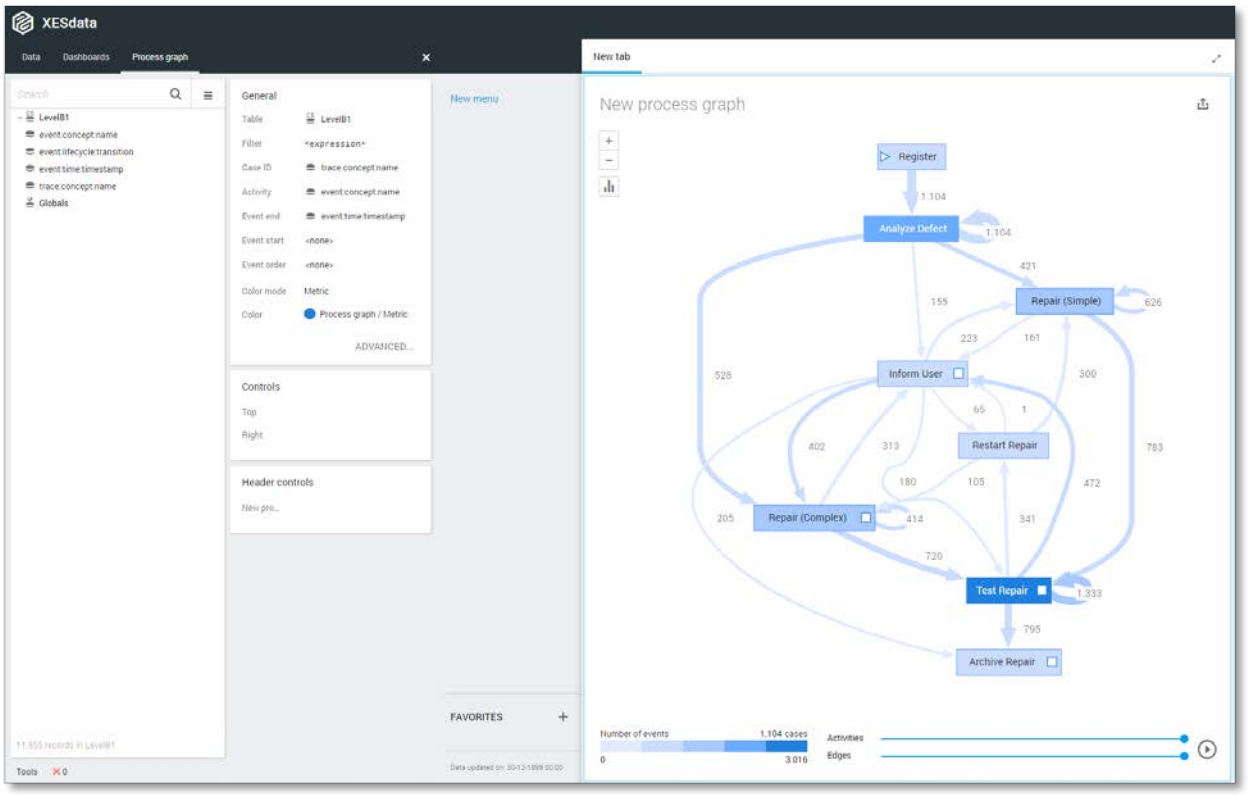

Edit Datasource Attribute
Name trace:concept:name
Table Level01
ID trace_concept_name
Input settings
Name in datasource trace:concept:name
Attribute type Integer
Parse format
NULL value in datasource «default»
Thousand separator none
AUTODETECT
Anonymization
Type Not set
Value (Integer) Frequency
1 9
2 9
3 9
4 9
5 9
6 9
7 19
8 14
9 9
10 14
11 9
12 14
13 9
14 14
15 9
16 9
17 19
18 14
19 9
20 9
21 14
Number of unique values: 1.104
Number of records: 11.855
ADVANCED...
OK
APPLY
CANCEL

Create the dashboard

Follow the same steps as in Level A1, except at the following points:

- Create the Process Graph using *New process graph > LevelB1*
- You do not have to create a DummyTimestamp
- Set the following Process Graph attributes in the right column:
    - Case ID: trace:concept:name
    - Activity: event:concept:name
    - Event end: event:time:timestamp

Now the process graph is visible.

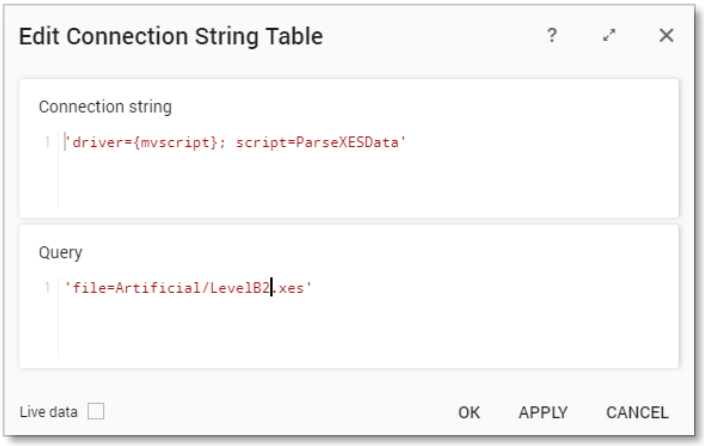


Level B2

Load the data

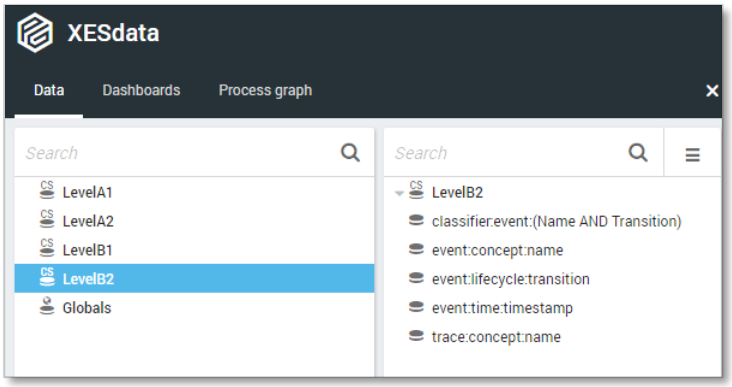
Follow the same steps as in Level A1, except at the following points:

- Use the LevelB2.xes file in the query field of the Connection String:



- Rename the newly created table to LevelB2

The data will now be correctly loaded.



Attributes

Name: classifier:event:(Name AND Transition)

Value (Text)	Frequency
Analyze Defect+complete	1.104
Analyze Defect+start	1.104
Archive Repair+complete	1.000
Inform User+complete	1.102
Register+complete	1.104
Repair (Complex)+complete	724
Repair (Complex)+start	725
Repair (Simple)+complete	785
Repair (Simple)+start	785
Restart Repair+complete	406
Test Repair+complete	1.508
Test Repair+start	1.508

Name: event:concept:name

Value (Text)	Frequency
Analyze Defect	2.208
Archive Repair	1.000
Inform User	1.102
Register	1.104
Repair (Complex)	1.449
Repair (Simple)	1.570
Restart Repair	406
Test Repair	3.016

Name: event:lifecycle:transition

Value (Text)	Frequency
complete	7.733
start	4.122

Name: event:time:timestamp

Value (Date + time)	Frequency
1970-01-01 11:37:09.802	1
1970-01-01 11:40:35.027	1
1970-01-01 11:48:48.327	1
1970-01-01 12:12:23.790	1
1970-01-01 12:22:40.570	1
1970-01-01 12:26:10.082	1
1970-01-01 12:35:31.415	1
1970-01-01 12:45:25.571	1
1970-01-01 12:47:41.839	1
1970-01-01 12:51:06.296	1

Name: trace:concept:name

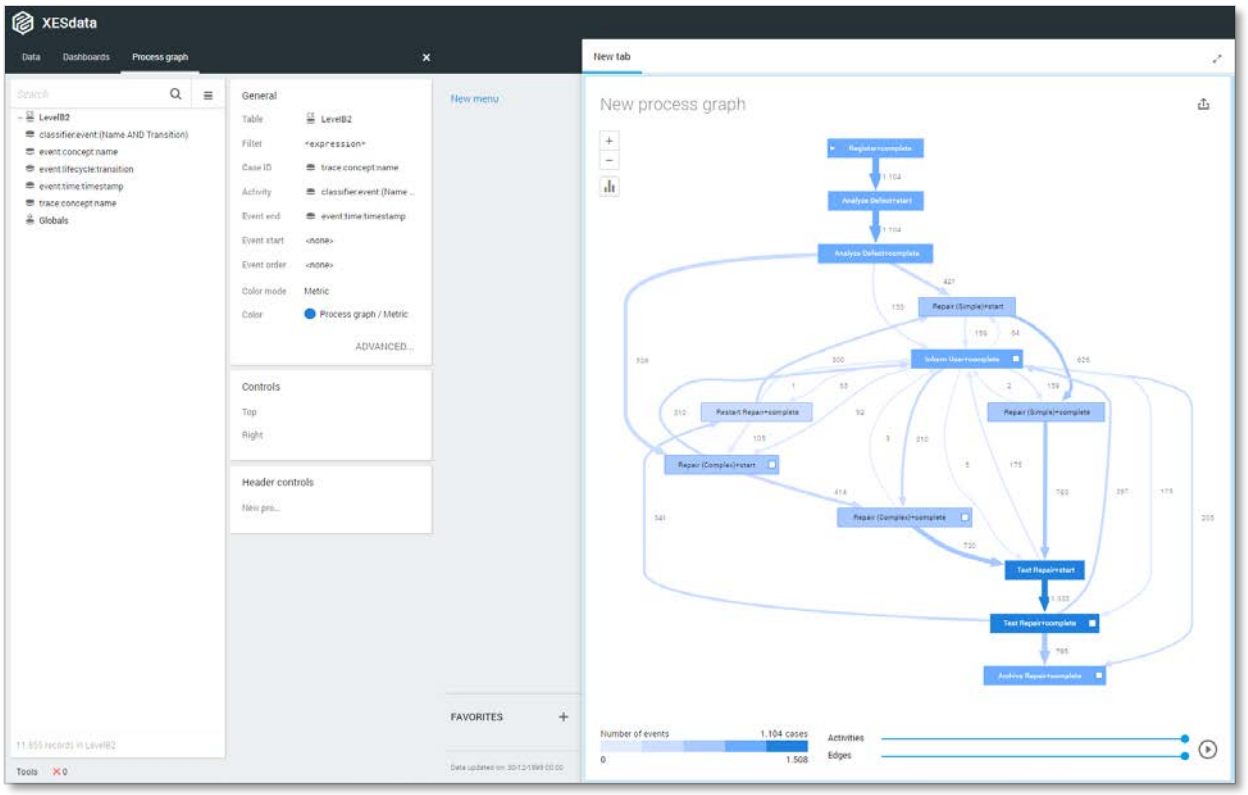
Value (Integer)	Frequency
1	9
2	9
3	9
4	9
5	9
6	9
7	19
8	14
9	9
10	14
11	9

Create the dashboard

Follow the same steps as in Level A1, except at the following points:

- Create the Process Graph using *New process graph > LevelB2*
- You do not have to create a DummyTimestamp
- Set the following Process Graph attributes in the right column:
    - Case ID: trace:concept:name
    - Activity: classifier:event:(Name AND Transition)
    - Event end: event:time:timestamp

Now the process graph is visible.

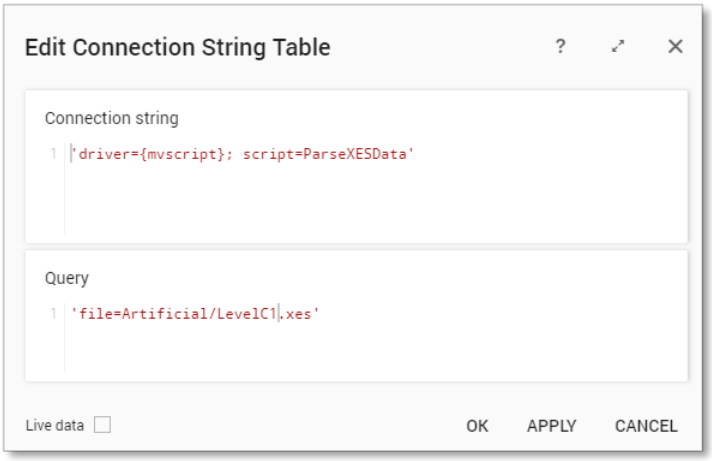


Level C1

Load the data

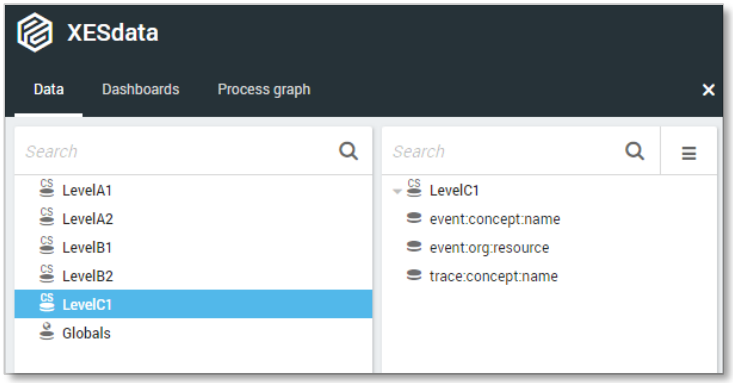
Follow the same steps as in Level A1, except at the following points:

- Use the LevelC1.xes file in the query field of the Connection String:

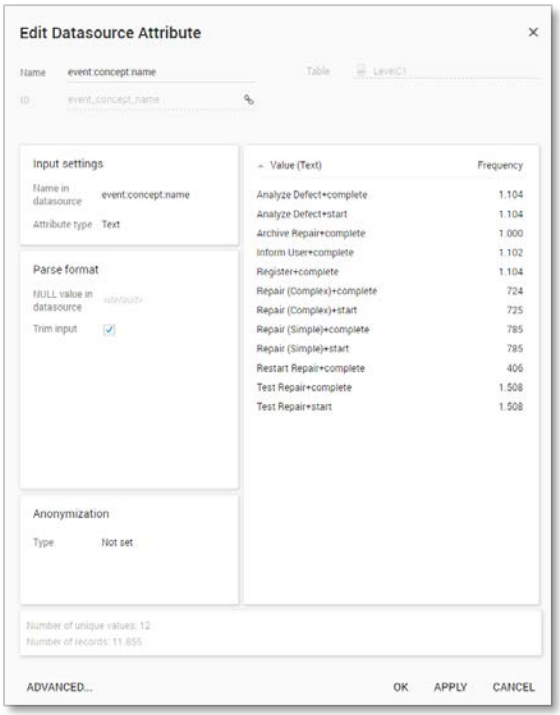


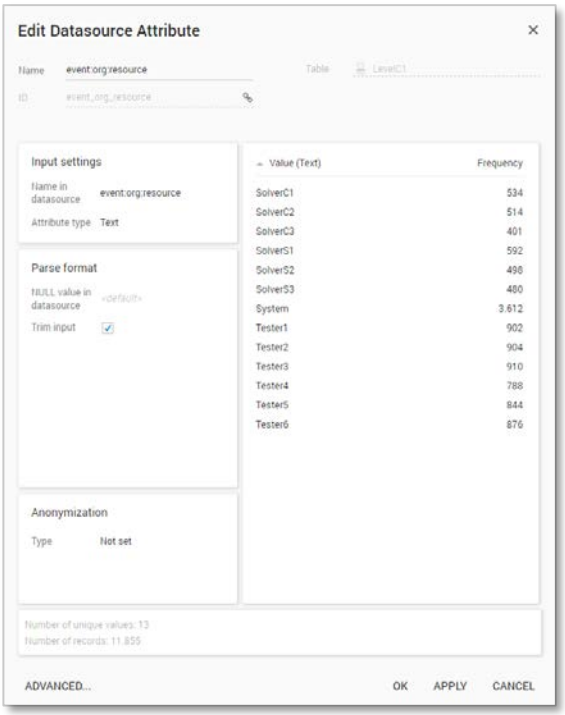
- Rename the newly created table to LevelC1

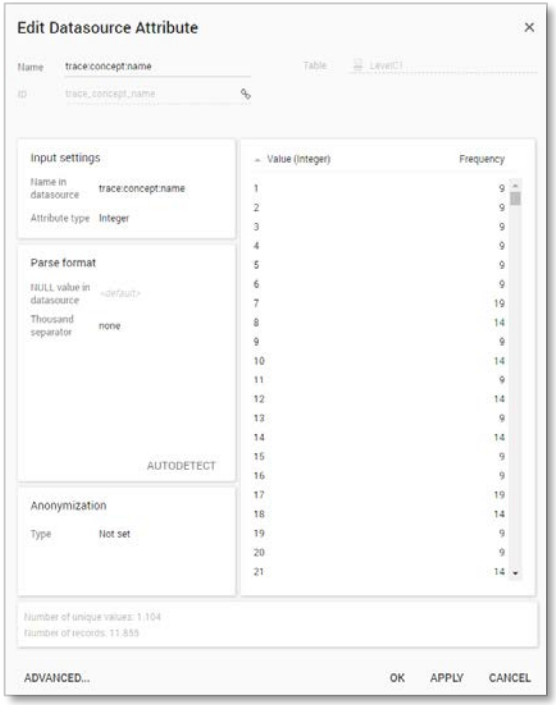
The data will now be correctly loaded.



Attributes


Edit Datasource Attribute
Name event:concept:name
Table LevelC1
ID event_concept_name
Input settings
Name in datasource event:concept:name
Attribute type Text
Parse format
NULL value in datasource «default»
Trim input
Anonymization
Type Not set
Value (Text) Frequency
Analyze Defect+complete 1.104
Analyze Defect+start 1.104
Archive Repair+complete 1.000
Inform User+complete 1.102
Register+complete 1.104
Repair (Complex)+complete 724
Repair (Complex)+start 725
Repair (Simple)+complete 785
Repair (Simple)+start 785
Restart Repair+complete 406
Test Repair+complete 1.508
Test Repair+start 1.508
Number of unique values: 12
Number of records: 11.855
ADVANCED...
OK
APPLY
CANCEL


Edit Datasource Attribute
Name event:org:resource
Table LevelC1
ID event_org_resource
Input settings
Name in datasource event:org:resource
Attribute type Text
Parse format
NULL value in datasource «default»
Trim input
Anonymization
Type Not set
Value (Text) Frequency
SolverC1 534
SolverC2 514
SolverC3 401
SolverS1 592
SolverS2 498
SolverS3 480
System 3.612
Tester1 902
Tester2 904
Tester3 910
Tester4 788
Tester5 844
Tester6 876
Number of unique values: 13
Number of records: 11.855
ADVANCED...
OK
APPLY
CANCEL

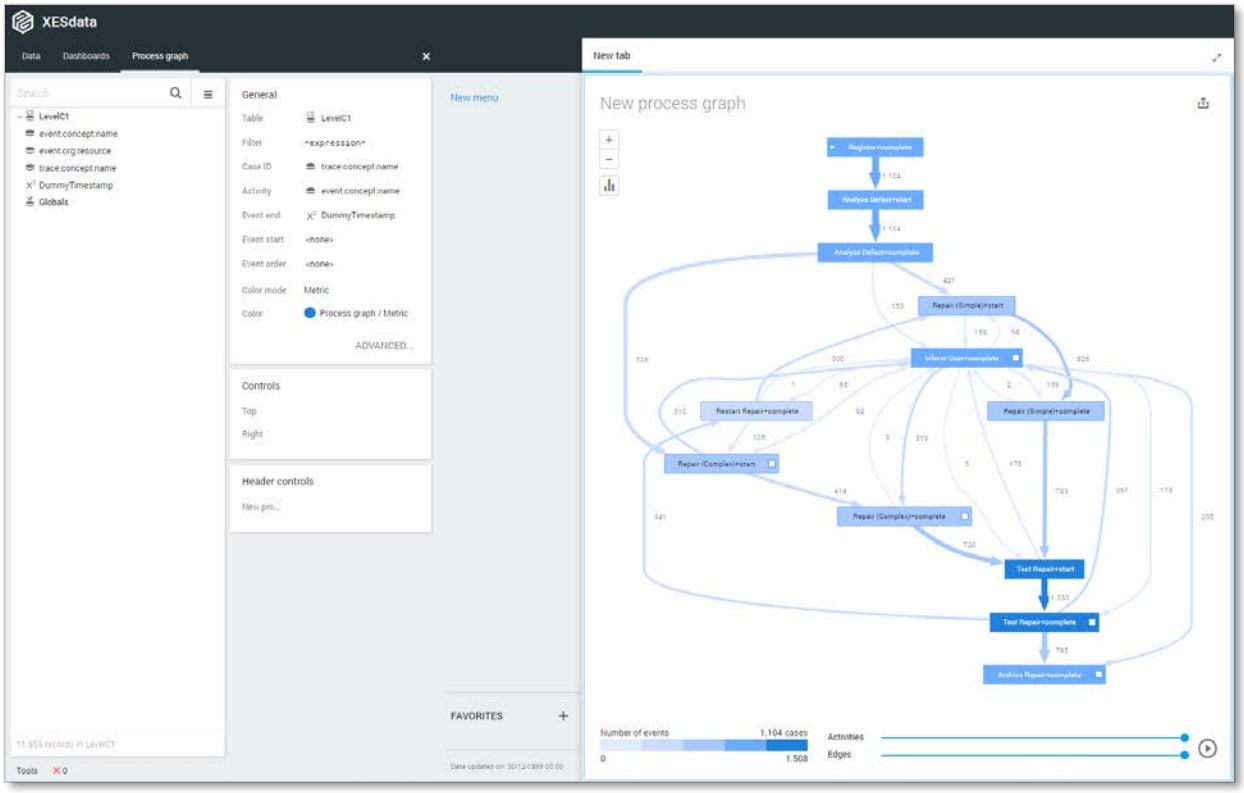

Edit Datasource Attribute
Name trace:concept:name
Table LevelC1
ID trace_concept_name
Input settings
Name in datasource trace:concept:name
Attribute type Integer
Parse format
NULL value in datasource «default»
Thousand separator none
AUTODETECT
Anonymization
Type Not set
Value (Integer) Frequency
1 9
2 9
3 9
4 9
5 9
6 9
7 19
8 14
9 9
10 14
11 9
12 14
13 9
14 14
15 9
16 9
17 19
18 14
19 9
20 9
21 14
Number of unique values: 1.104
Number of records: 11.855
ADVANCED...
OK
APPLY
CANCEL

Create the dashboard

Follow the same steps as in Level A1, except at the following points:

- Create the Process Graph using *New process graph > LevelC1*
- Set the following Process Graph attributes in the right column:
    - Case ID: trace:concept:name
    - Activity: event:concept:name
    - Event end: DummyTimestamp

Now the process graph is visible.

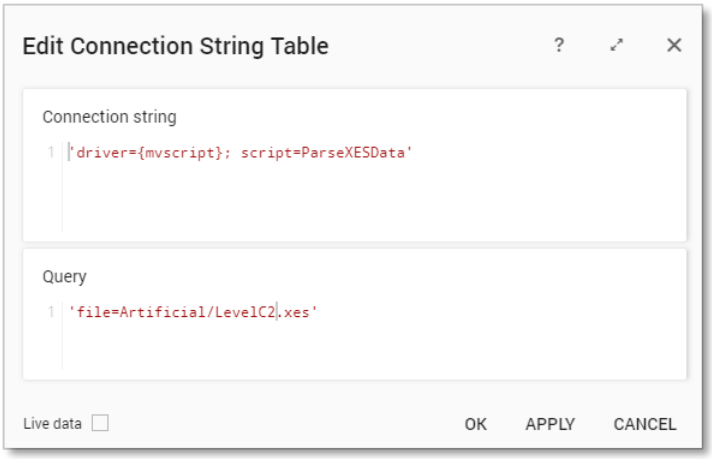


Level C2

Load the data

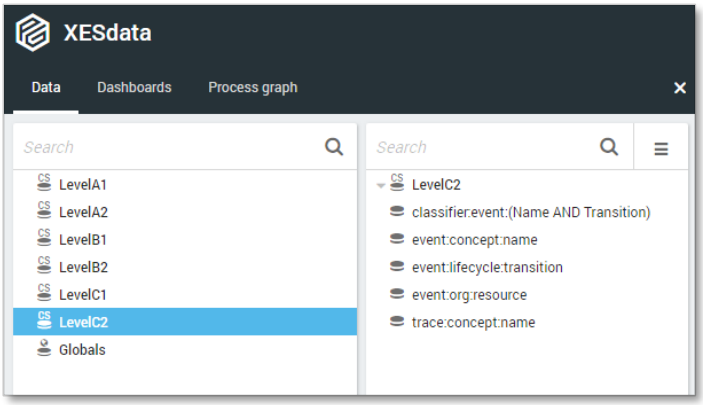
Follow the same steps as in Level A1, except at the following points:

- Use the LevelC2.xes file in the query field of the Connection String:



- Rename the newly created table to LevelC2

The data will now be correctly loaded.



Attributes

Name: classifier:event:(Name AND Transition)

Value (Text)	Frequency
Analyze Defect+complete	1.104
Analyze Defect+start	1.104
Archive Repair+complete	1.000
Inform User+complete	1.102
Register+complete	1.104
Repair (Complex)+complete	724
Repair (Complex)+start	725
Repair (Simple)+complete	785
Repair (Simple)+start	785
Restart Repair+complete	406
Test Repair+complete	1.508
Test Repair+start	1.508

Name: event:concept:name

Value (Text)	Frequency
Analyze Defect	2.208
Archive Repair	1.000
Inform User	1.102
Register	1.104
Repair (Complex)	1.449
Repair (Simple)	1.570
Restart Repair	406
Test Repair	3.016

Name: event:lifecycle:transition

Value (Text)	Frequency
complete	7.733
start	4.122

Name: event:org:resource

Value (Text)	Frequency
SolverC1	534
SolverC2	514
SolverC3	401
SolverS1	592
SolverS2	498
SolverS3	480
System	3.612
Tester1	902
Tester2	904
Tester3	910
Tester4	788
Tester5	844
Tester6	876

Name: trace:concept:name

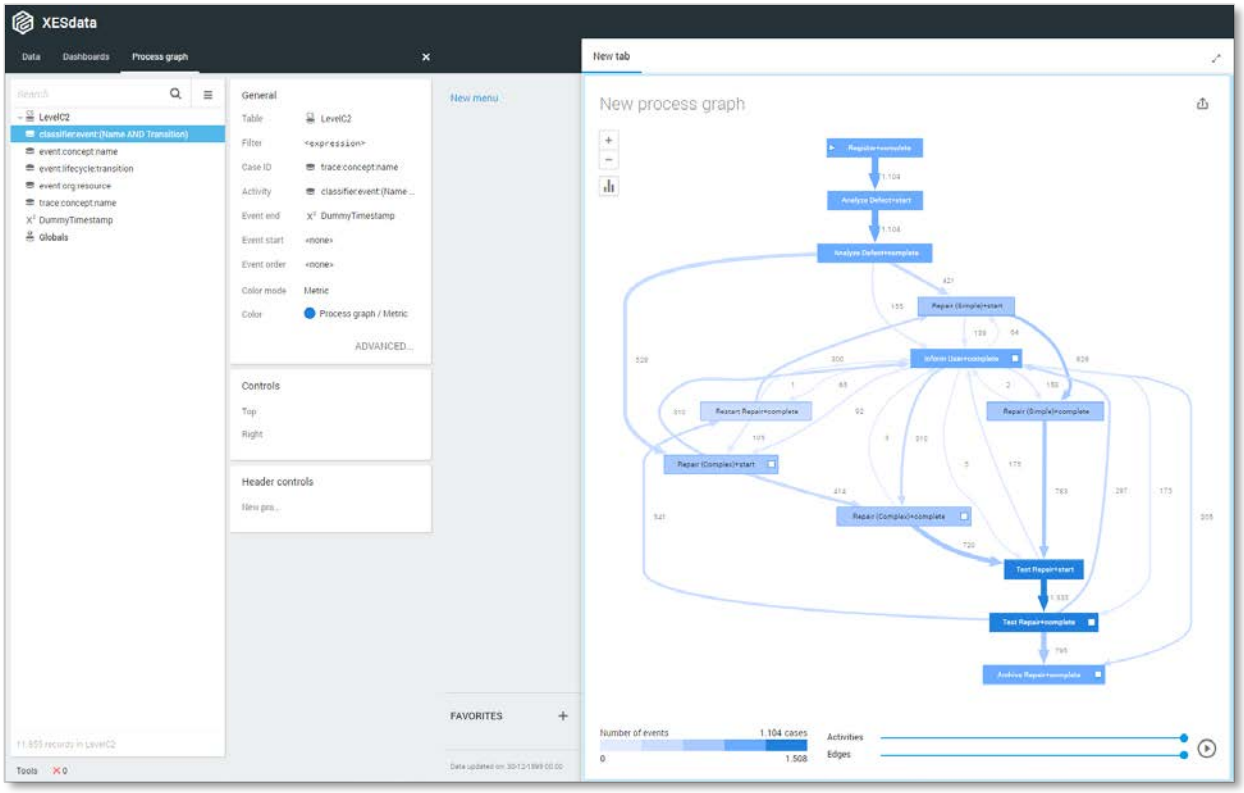
Value (Integer)	Frequency
1	9
2	9
3	9
4	9
5	9
6	9
7	19
8	14
9	9
10	14

Create the dashboard

Follow the same steps as in Level A1, except at the following points:

- Create the Process Graph using *New process graph > LevelC2*
- Set the following Process Graph attributes in the right column:
    - Case ID: trace:concept:name
    - Activity: classifier:event:(Name AND Transition)
    - Event end: DummyTimestamp

Now the process graph is visible.

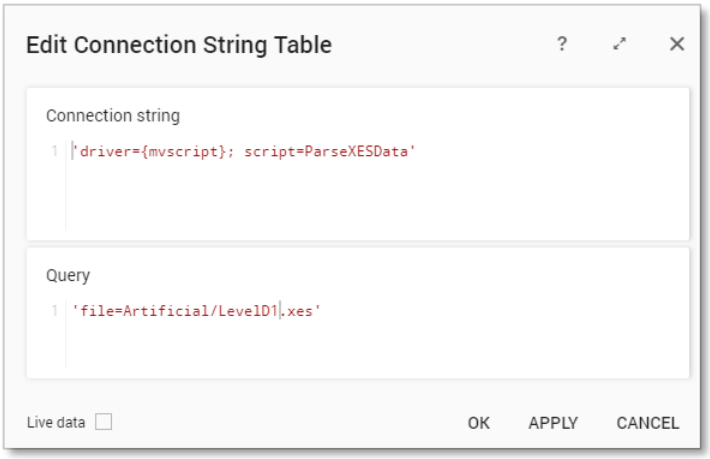


Level D1

Load the data

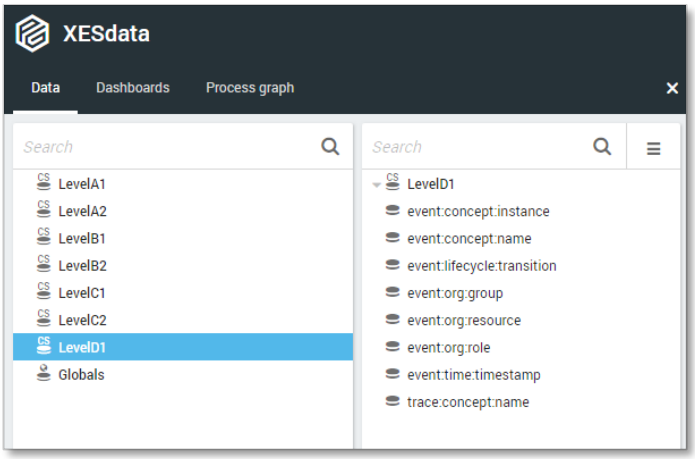
Follow the same steps as in Level A1, except at the following points:

- Use the LevelD1.xes file in the query field of the Connection String:



- Rename the newly created table to LevelD1

The data will now be correctly loaded.



Attributes

Name event:concept:instance

Value (Text)	Frequency
instance 1	10.196
instance 2	1.225
instance 3	426
instance 4	8

Name event:concept:name

Value (Text)	Frequency
Analyze Defect	2.208
Archive Repair	1.000
Inform User	1.102
Register	1.104
Repair (Complex)	1.449
Repair (Simple)	1.570
Restart Repair	406
Test Repair	3.016

Name event:lifecycle:transition

Value (Text)	Frequency
complete	7.733
start	4.122

Name event:org:group

Value (Text)	Frequency
Group -	3.612
Groups 1, 3, and 5	3.019
Groups 2 and 4	5.224

Name event:org:resource

Value (Text)	Frequency
SolverC1	534
SolverC2	514
SolverC3	401
SolverS1	592
SolverS2	498
SolverS3	480
System	3.612
Tester1	902
Tester2	904
Tester3	910
Tester4	788
Tester5	844
Tester6	876

Name event:org:role

Value (Text)	Frequency
NULL	3.612
Role 10	1.449
Role 9	5.224
Roles 1, 2, and 3	1.570

Name event:time:timestamp

Value (Date + time)	Frequency
1970-01-01 11:34:00.066	1
1970-01-01 11:36:54.392	1
1970-01-01 11:44:59.334	1
1970-01-01 12:07:52.318	1
1970-01-01 12:17:13.427	1
1970-01-01 12:19:52.325	1
1970-01-01 12:28:31.767	1
1970-01-01 12:37:47.483	1
1970-01-01 12:40:03.605	1
1970-01-01 12:43:26.085	1

Name trace:concept:name

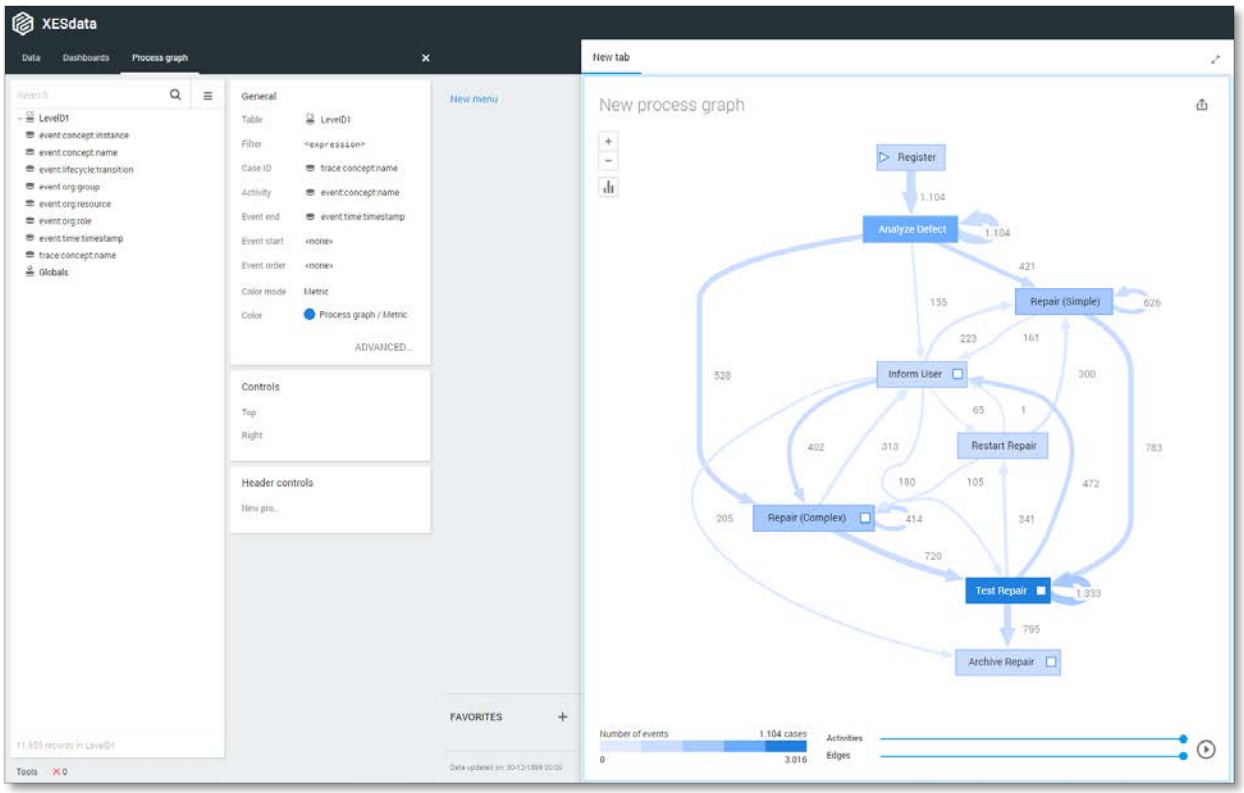
Value (Integer)	Frequency
1	9
2	9
3	9
4	9
5	9
6	9
7	19
8	14
9	9
10	14

Create the dashboard

Follow the same steps as in Level A1, except at the following points:

- Create the Process Graph using *New process graph > LevelD1*
- You do not have to create a DummyTimestamp
- Set the following Process Graph attributes in the right column:
    - Case ID: trace:concept:name
    - Activity: event:concept:name
    - Event end: event:time:timestamp

Now the process graph is visible.

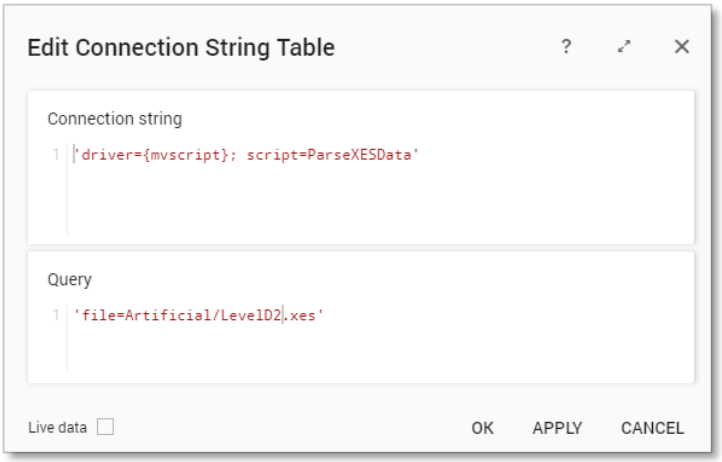


Level D2

Load the data

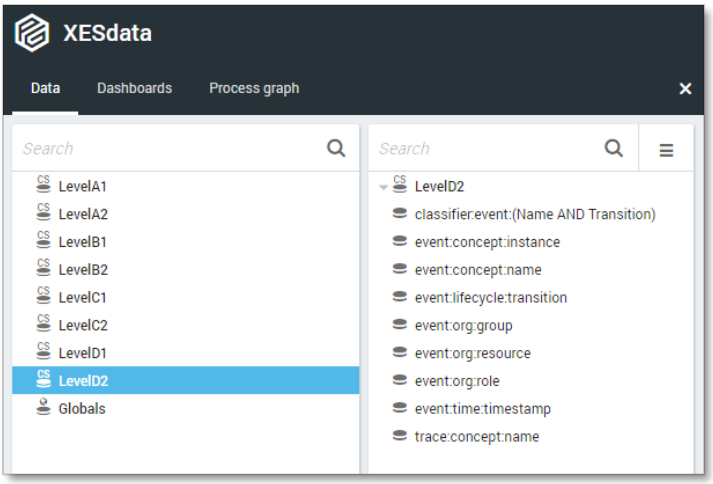
Follow the same steps as in Level A1, except at the following points:

- Use the LevelD2.xes file in the query field of the Connection String:



- Rename the newly created table to LevelD2

The data will now be correctly loaded.



Attributes

Name: classifier:event:(Name AND Transition)

Value (Text)	Frequency
Analyze Defect+complete	1.104
Analyze Defect+start	1.104
Archive Repair+complete	1.000
Inform User+complete	1.102
Register+complete	1.104
Repair (Complex)+complete	724
Repair (Complex)+start	725
Repair (Simple)+complete	785
Repair (Simple)+start	785
Restart Repair+complete	406
Test Repair+complete	1.508
Test Repair+start	1.508

Name: event:concept:instance

Value (Text)	Frequency
instance 1	10.196
instance 2	1.225
instance 3	426
instance 4	8

Name: event:concept:name

Value (Text)	Frequency
Analyze Defect	2.208
Archive Repair	1.000
Inform User	1.102
Register	1.104
Repair (Complex)	1.449
Repair (Simple)	1.570
Restart Repair	406
Test Repair	3.016

Name: event:lifecycle:transition

Value (Text)	Frequency
complete	7.733
start	4.122

Name: event:org:group

Value (Text)	Frequency
Group -	3.612
Groups 1, 3, and 5	3.019
Groups 2 and 4	5.224

Name: event:org:resource

Value (Text)	Frequency
SolverC1	534
SolverC2	514
SolverC3	401
SolverS1	592
SolverS2	498
SolverS3	480
System	3.612
Tester1	902
Tester2	904
Tester3	910
Tester4	788
Tester5	844
Tester6	876

Name: event:org:role

Value (Text)	Frequency
NULL	3.612
Role 10	1.449
Role 9	5.224
Roles 1, 2, and 3	1.570

Name: event:time:timestamp

Value (Date + time)	Frequency
1970-01-01 11:29:50.943	1
1970-01-01 11:31:53.829	1
1970-01-01 11:39:50.561	1
1970-01-01 12:02:03.129	1
1970-01-01 12:11:22.889	1
1970-01-01 12:13:36.899	1
1970-01-01 12:22:10.313	1
1970-01-01 12:30:48.478	1
1970-01-01 12:32:44.736	1

Name: trace:concept:name

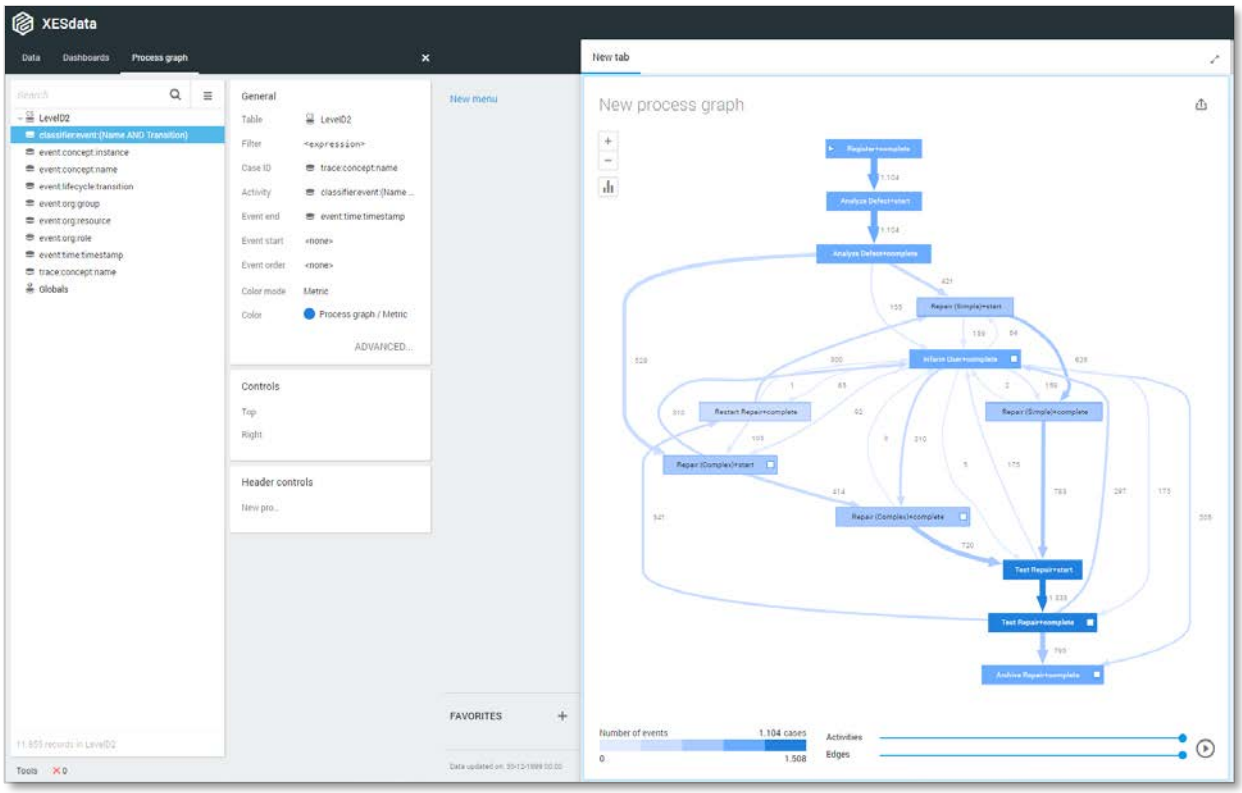
Value (Integer)	Frequency
1	9
2	9
3	9
4	9
5	9
6	9
7	19
8	14
9	9
10	14

Create the dashboard

Follow the same steps as in Level A1, except at the following points:

- Create the Process Graph using *New process graph > LevelD2*
- You do not have to create a DummyTimestamp
- Set the following Process Graph attributes in the right column:
    - Case ID: trace:concept:name
    - Activity: classifier:event:(Name AND Transition)
    - Event end: event:time:timestamp

Now the process graph is visible.

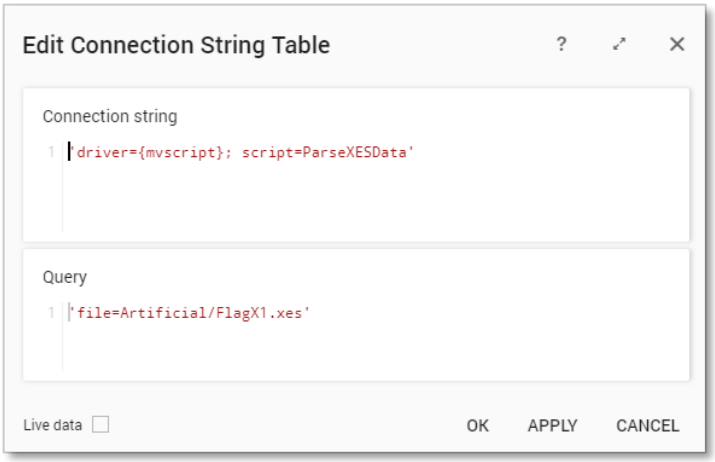


Flag X1

Load the data

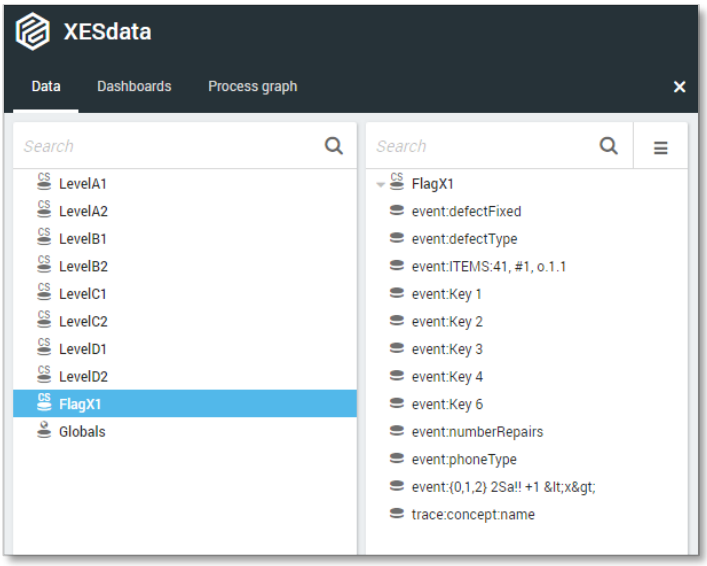
Follow the same steps as in Level A1, except at the following points:

- Use the FlagX1.xes file in the query field of the Connection String:



- Rename the newly created table to FlagX1

The data will now be correctly loaded.



Attributes

Name event:defectFixed

Value (Boolean)	Frequency
NULL	9.347
False	480
True	2.028

Name event:defectType

Value (Integer)	Frequency
NULL	10.751
1	100
2	102
3	80
4	107
5	81
6	124
7	143
8	128
9	112
10	127

Name event:ITEMS:41, #1, o.1.1

Value (Text)	Frequency
NULL	3.612
Role 10	1.449
Role 9	5.224
Roles 1, 2, and 3	1.570

Name event:Key 1

Value (Text)	Frequency
Analyze Defect	2.208
Archive Repair	1.000
Inform User	1.102
Register	1.104
Repair (Complex)	1.449
Repair (Simple)	1.570
Restart Repair	406
Test Repair	3.016

Name event:Key 2

Value (Text)	Frequency
instance 1	10.196
instance 2	1.225
instance 3	426
instance 4	8

Name event:Key 3

Value (Text)	Frequency
SolverC1	534
SolverC2	514
SolverC3	401
SolverS1	592
SolverS2	498
SolverS3	480
System	3.612
Tester1	902
Tester2	904
Tester3	910
Tester4	788
Tester5	844
Tester6	876

Name event:Key 4

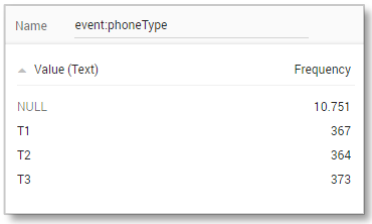
Value (Date + time)	Frequency
1970-01-01 11:58:41.767	1
1970-01-01 12:04:04.630	1
1970-01-01 12:14:50.292	1
1970-01-01 12:40:15.337	1
1970-01-01 12:52:28.540	1
1970-01-01 12:58:18.262	1
1970-01-01 13:09:29.595	1
1970-01-01 13:21:12.703	1
1970-01-01 13:25:50.116	1
1970-01-01 13:31:21.921	1

Name event:Key 6

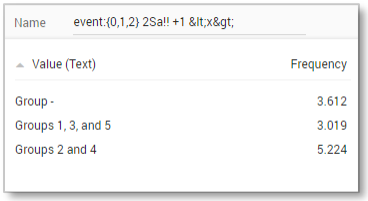
Value (Text)	Frequency
complete	7.733
start	4.122

Name event:numberRepairs

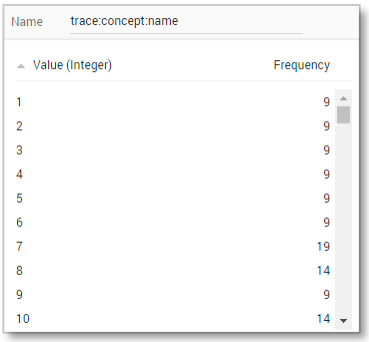
Value (Integer)	Frequency
0	1.257
1	1.854
2	1.437
3	1.272
4	1.104
5	1.103
6	1.102
7	704
8	398
9	293



Name	event:phoneType
Value (Text)	Frequency
NULL	10.751
T1	367
T2	364
T3	373



Name	event:{0,1,2} 2Sa!! +1 <x>
Value (Text)	Frequency
Group -	3.612
Groups 1, 3, and 5	3.019
Groups 2 and 4	5.224



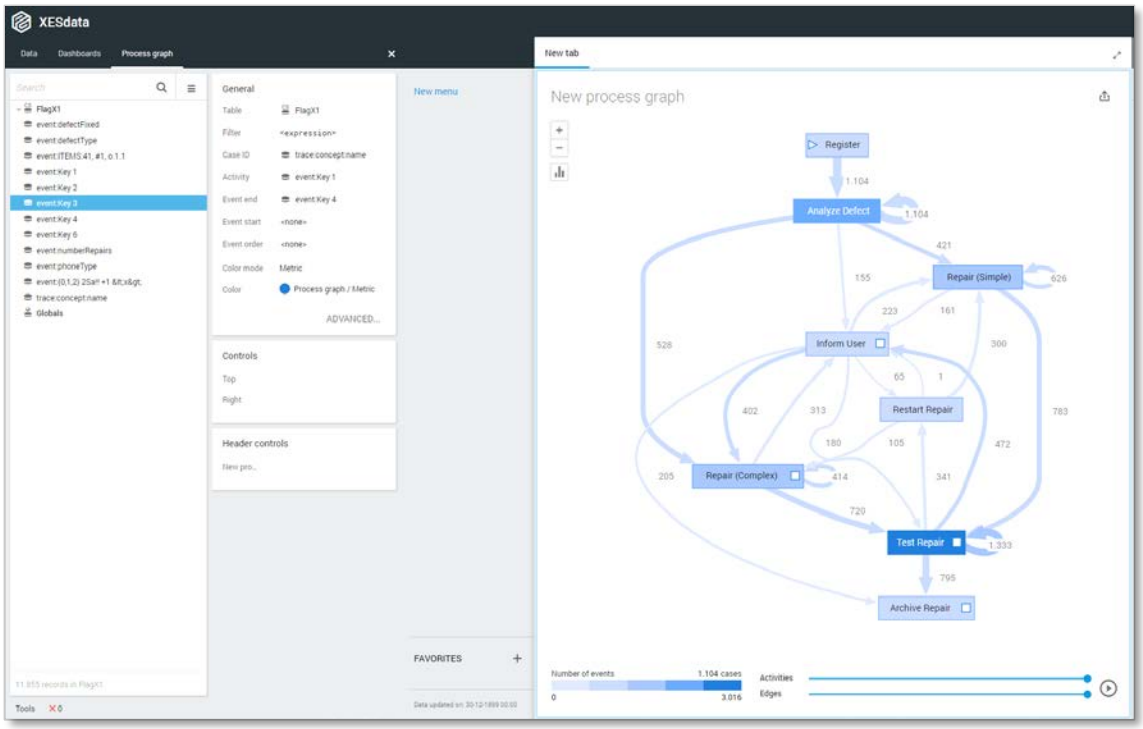
Name	trace:concept:name
Value (Integer)	Frequency
1	9
2	9
3	9
4	9
5	9
6	9
7	19
8	14
9	9
10	14

Create the dashboard

Follow the same steps as in Level A1, except at the following points:

- Create the Process Graph using *New process graph > FlagX1*
- You do not have to create a DummyTimestamp
- Set the following Process Graph attributes in the right column:
  - Case ID: trace:concept:name
  - Activity: event:Key 1
  - Event end: event:Key 4

Now the process graph is visible.

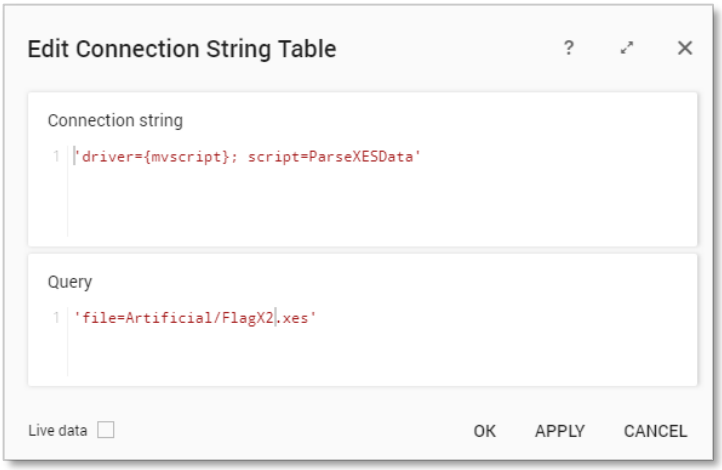


Flag X2

Load the data

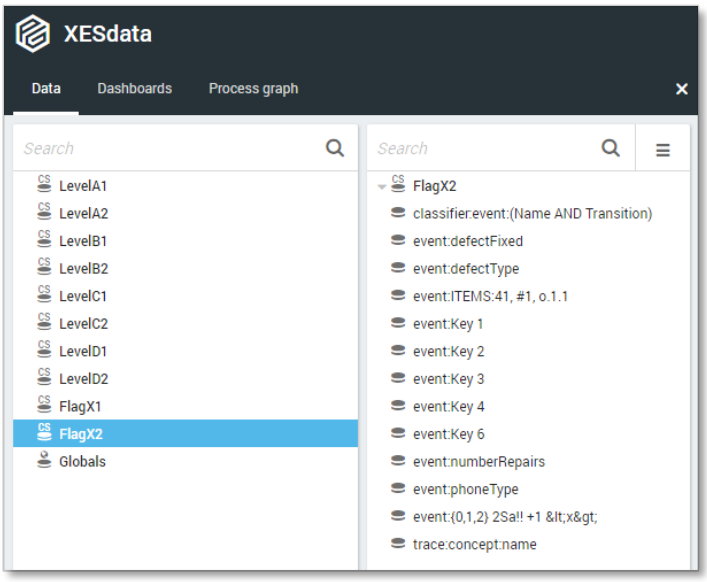
Follow the same steps as in Level A1, except at the following points:

- Use the FlagX2.xes file in the query field of the Connection String:



- Rename the newly created table to FlagX2

The data will now be correctly loaded.



Attributes

Name: classifier:event:(Name AND Transition)

Value (Text)	Frequency
Analyze Defect+complete	1.104
Analyze Defect+start	1.104
Archive Repair+complete	1.000
Inform User+complete	1.102
Register+complete	1.104
Repair (Complex)+complete	724
Repair (Complex)+start	725
Repair (Simple)+complete	785
Repair (Simple)+start	785
Restart Repair+complete	406
Test Repair+complete	1.508
Test Repair+start	1.508

Name: event:defectFixed

Value (Boolean)	Frequency
NULL	9.347
False	480
True	2.028

Name: event:defectType

Value (Integer)	Frequency
NULL	10.751
1	100
2	102
3	80
4	107
5	81
6	124
7	143
8	128
9	112
10	127

Name: event:ITEMS:41, #1, o.1.1

Value (Text)	Frequency
NULL	3.612
Role 10	1.449
Role 9	5.224
Roles 1, 2, and 3	1.570

Name: event:Key 1

Value (Text)	Frequency
Analyze Defect	2.208
Archive Repair	1.000
Inform User	1.102
Register	1.104
Repair (Complex)	1.449
Repair (Simple)	1.570
Restart Repair	406
Test Repair	3.016

Name: event:Key 2

Value (Text)	Frequency
instance 1	10.196
instance 2	1.225
instance 3	426
instance 4	8

Name: event:Key 3

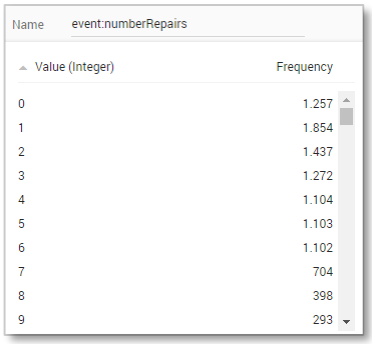
Value (Text)	Frequency
SolverC1	534
SolverC2	514
SolverC3	401
SolverS1	592
SolverS2	498
SolverS3	480
System	3.612
Tester1	902
Tester2	904
Tester3	910
Tester4	788
Tester5	844
Tester6	876

Name: event:Key 4

Value (Date + time)	Frequency
1970-01-01 11:53:41.764	1
1970-01-01 11:58:08.733	1
1970-01-01 12:08:09.104	1
1970-01-01 12:32:47.190	1
1970-01-01 12:44:50.484	1
1970-01-01 12:49:52.373	1
1970-01-01 13:00:10.451	1
1970-01-01 13:11:16.943	1
1970-01-01 13:15:08.468	1
1970-01-01 13:19:42.405	1

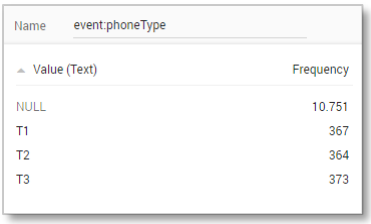
Name: event:Key 6

Value (Text)	Frequency
complete	7.733
start	4.122



Name event:numberRepairs

Value (Integer)	Frequency
0	1.257
1	1.854
2	1.437
3	1.272
4	1.104
5	1.103
6	1.102
7	704
8	398
9	293

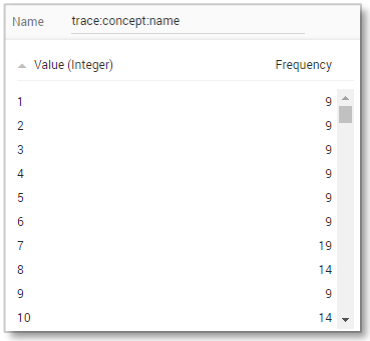


Name event:phoneType

Value (Text)	Frequency
NULL	10.751
T1	367
T2	364
T3	373

Name event:{0,1,2} 2Sa!! +1 <x>

Value (Text)	Frequency
Group -	3.612
Groups 1, 3, and 5	3.019
Groups 2 and 4	5.224



Name trace:concept:name

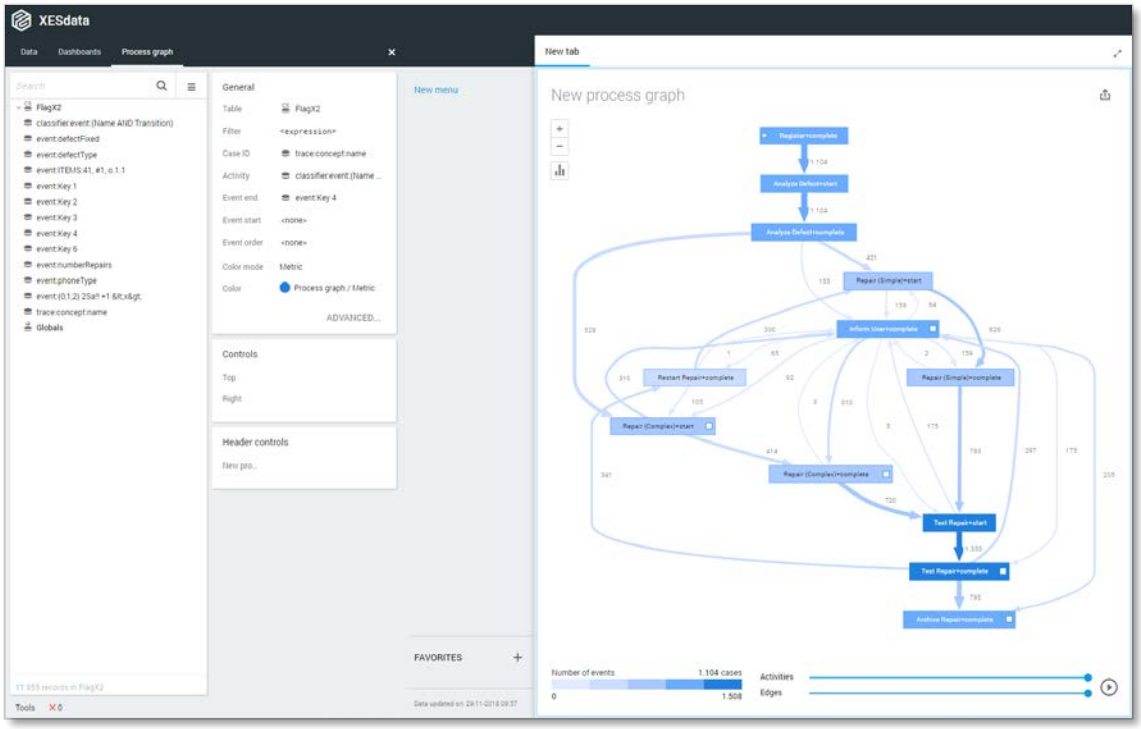
Value (Integer)	Frequency
1	9
2	9
3	9
4	9
5	9
6	9
7	19
8	14
9	9
10	14

Create the dashboard

Follow the same steps as in Level A1, except at the following points:

- Create the Process Graph using *New process graph > FlagX2*
- You do not have to create a DummyTimestamp
- Set the following Process Graph attributes in the right column:
    - Case ID: trace:concept:name
    - Activity: classifier:event:(Name AND Transition)
    - Event end: event:Key 4

Now the process graph is visible.



IMPORT

REAL-LIFE LOGS

SANITIZED BPIC LOGS

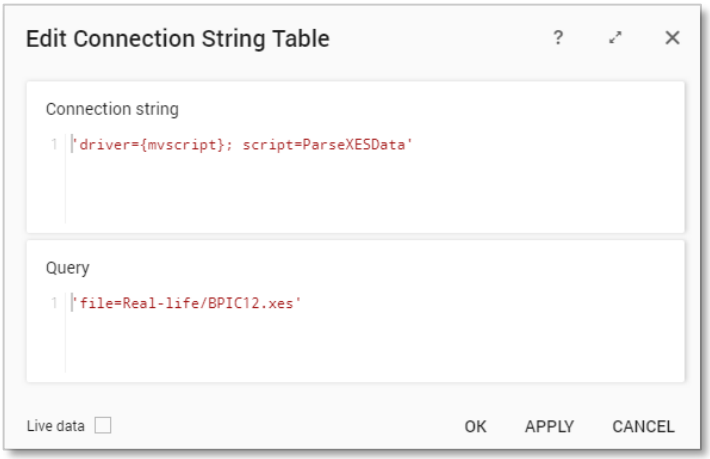
NAME	TRACES	EVENTS	SIZE IN KB
BPIC12	13,087	262,200	72,363
BPIC13_closed_problems	1,487	6,660	4,090
BPIC13_incidents	7,554	65,533	38,627
BPIC13_open_problems	819	2,351	1,370
BPIC15_1	1,199	52,217	40,261
BPIC15_2	832	44,354	33,616
BPIC15_3	1,409	59,681	45,673
BPIC15_4	1,053	47,293	36,131
BPIC15_5	1,156	59,083	44,961
BPIC17 – Offer log	42,995	193,849	107,557
BPIC17	31,509	1,202,267	565,373

BPIC12

Load the data

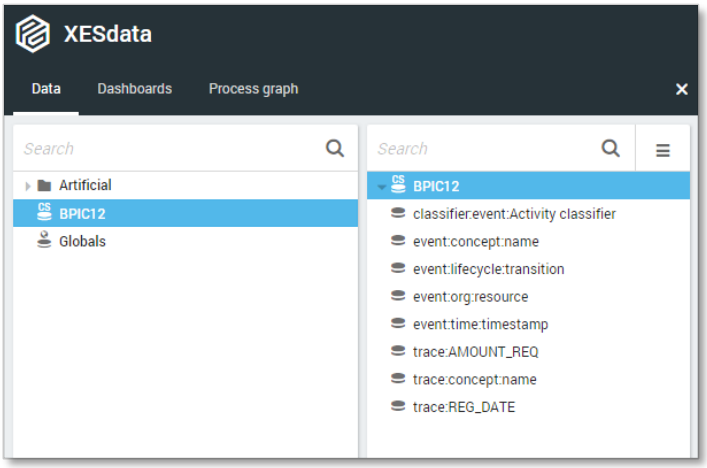
Follow the same steps as in Level A1, except at the following points:

- Use the Real-life/BPIC12.xes file in the query field of the Connection String:

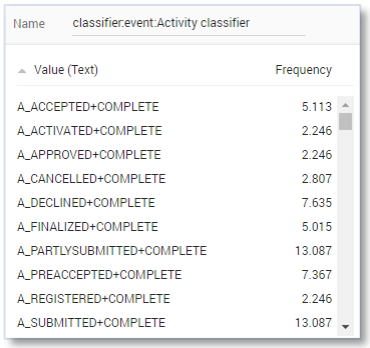


- Rename the newly created table to BPIC12.

The data will now be correctly loaded.

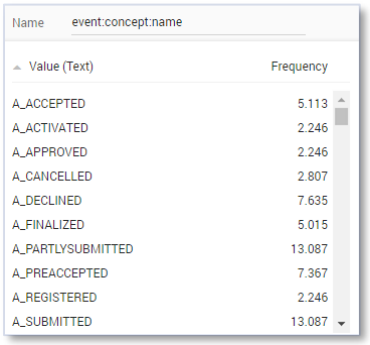


Attributes



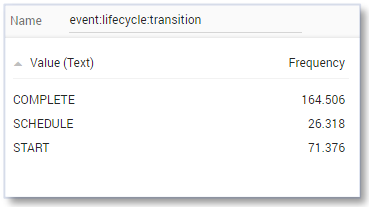
Name: classifier:event:Activity classifier

Value (Text)	Frequency
A_ACCEPTED+COMPLETE	5.113
A_ACTIVATED+COMPLETE	2.246
A_APPROVED+COMPLETE	2.246
A_CANCELLED+COMPLETE	2.807
A_DECLINED+COMPLETE	7.635
A_FINALIZED+COMPLETE	5.015
A_PARTLYSUBMITTED+COMPLETE	13.087
A_PREACCEPTED+COMPLETE	7.367
A_REGISTERED+COMPLETE	2.246
A_SUBMITTED+COMPLETE	13.087



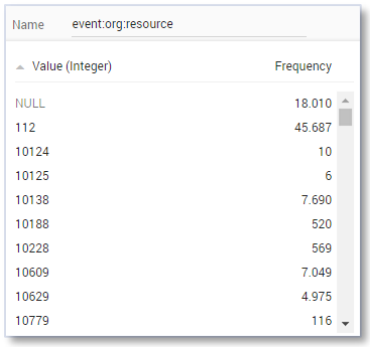
Name: event:concept:name

Value (Text)	Frequency
A_ACCEPTED	5.113
A_ACTIVATED	2.246
A_APPROVED	2.246
A_CANCELLED	2.807
A_DECLINED	7.635
A_FINALIZED	5.015
A_PARTLYSUBMITTED	13.087
A_PREACCEPTED	7.367
A_REGISTERED	2.246
A_SUBMITTED	13.087



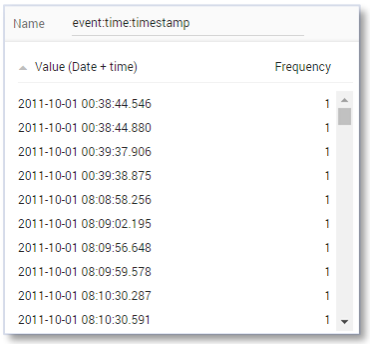
Name: event:lifecycle:transition

Value (Text)	Frequency
COMPLETE	164.506
SCHEDULE	26.318
START	71.376



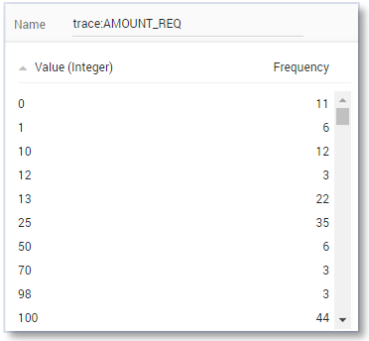
Name: event:org:resource

Value (Integer)	Frequency
NULL	18.010
112	45.687
10124	10
10125	6
10138	7.690
10188	520
10228	569
10609	7.049
10629	4.975
10779	116



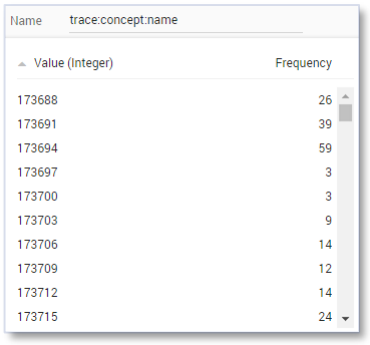
Name: event:time:timestamp

Value (Date + time)	Frequency
2011-10-01 00:38:44.546	1
2011-10-01 00:38:44.880	1
2011-10-01 00:39:37.906	1
2011-10-01 00:39:38.875	1
2011-10-01 08:08:58.256	1
2011-10-01 08:09:02.195	1
2011-10-01 08:09:56.648	1
2011-10-01 08:09:59.578	1
2011-10-01 08:10:30.287	1
2011-10-01 08:10:30.591	1



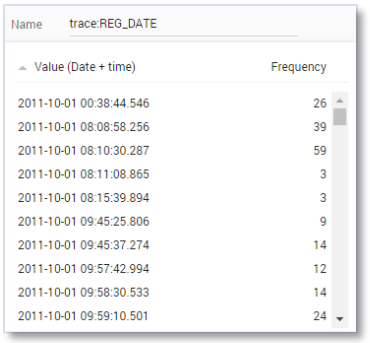
Name: trace:AMOUNT_REQ

Value (Integer)	Frequency
0	11
1	6
10	12
12	3
13	22
25	35
50	6
70	3
98	3
100	44



Name: trace:concept:name

Value (Integer)	Frequency
173688	26
173691	39
173694	59
173697	3
173700	3
173703	9
173706	14
173709	12
173712	14
173715	24



Name: trace:REG_DATE

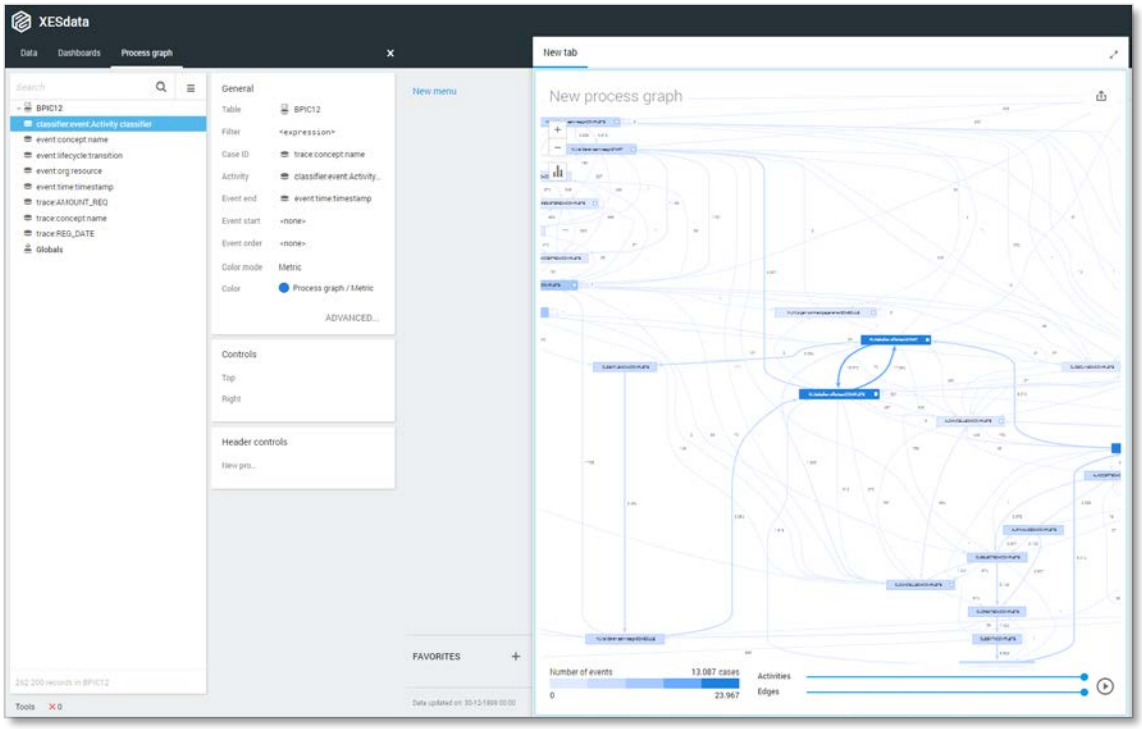
Value (Date + time)	Frequency
2011-10-01 00:38:44.546	26
2011-10-01 08:08:58.256	39
2011-10-01 08:10:30.287	59
2011-10-01 08:11:08.865	3
2011-10-01 08:15:39.894	3
2011-10-01 09:45:25.806	9
2011-10-01 09:45:37.274	14
2011-10-01 09:57:42.994	12
2011-10-01 09:58:30.533	14
2011-10-01 09:59:10.501	24

Create the dashboard

Follow the same steps as in Level A1, except at the following points:

- Create the Process Graph using *New process graph > BPIC12*
- You do not have to create a DummyTimestamp
- Set the following Process Graph attributes in the right column:
    - Case ID: trace:concept:name
    - Activity: classifier:event:Activity classifier
    - Event end: event:time:timestamp

Now the process graph is visible.

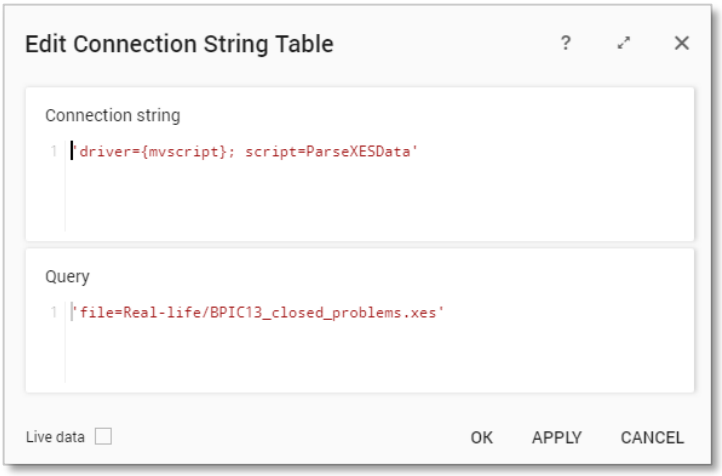


BPIC13_closed_problems

Load the data

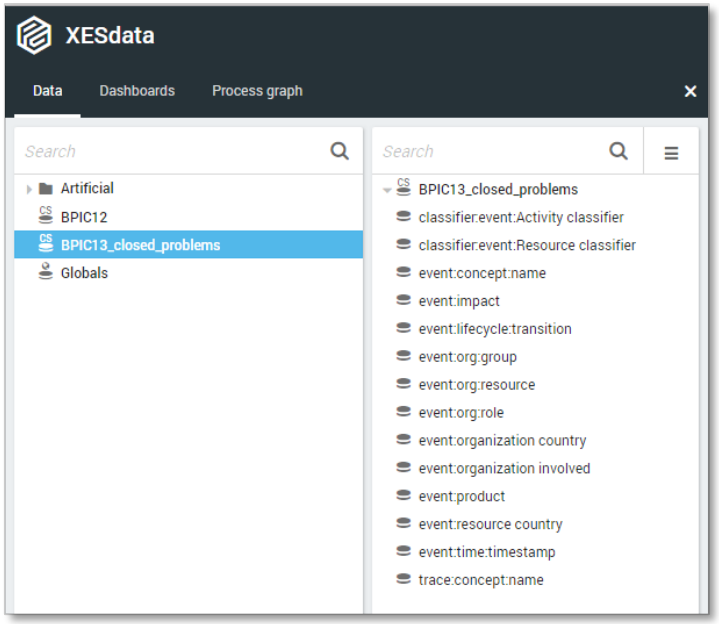
Follow the same steps as in Level A1, except at the following points:

- Use the Real-life/BPIC13_closed_problems.xes file in the query field of the Connection String:



- Rename the newly created table to BPIC13_closed_problems.

The data will now be correctly loaded.



Attributes

Name: classifier:event:Activity classifier

Value (Text)	Frequency
Accepted+Assigned	614
Accepted+In Progress	3.066
Accepted+Wait	527
Completed+Cancelled	3
Completed+Closed	1.565
Queued+Awaiting Assignment	875
Unmatched+Unmatched	10

Name: classifier:event:Resource classifier

Value (Text)	Frequency
-	26
Aaron	3
Abby	2
Abhimanyu	1
Abhinav	10
Abhishek	1
Adam	16
Aditi	5
Adriano	4
Agneta	23

Name: event:concept:name

Value (Text)	Frequency
Accepted	4.207
Completed	1.568
Queued	875
Unmatched	10

Name: event:impact

Value (Text)	Frequency
High	1.363
Low	905
Major	575
Medium	3.817

Name: event:lifecycle:transition

Value (Text)	Frequency
Assigned	614
Awaiting Assignment	875
Cancelled	3
Closed	1.565
In Progress	3.066
Unmatched	10
Wait	527

Name: event:org:group

Value (Text)	Frequency
Org line A1	1
Org line A2	1.766
Org line B	174
Org line C	2.702
Org line D	16
Org line F	50
Org line G1	11
Org line G3	1.164
Org line G4	608
Org line V11	33
Org line V2	92
Org line V4	2
Org line V5	9
Org line V7n	27
Other	5

Name: event:org:resource

Value (Text)	Frequency
-	26
Aaron	3
Abby	2
Abhimanyu	1
Abhinav	10
Abhishek	1
Adam	16
Aditi	5
Adriano	4
Agneta	23

Name: event:org:role

Value (Text)	Frequency
NULL	2.078
A2_1	400
A2_2	496
A2_3	416
A2_4	204
A2_5	121
C_1	80
C_2	19
C_3	47
C_4	19

Name: event:organization country

Value (Text)	Frequency
0	13
au	5
be	209
br	81
ca	4
cn	147
de	2
fr	237
gb	171
in	954
jp	24
kr	18
mx	2
nl	29
pl	247
se	2.681
us	1.836

Name event:organization involved

Value (Text)	Frequency
!DO NOT USE!	1
A10	67
A8 2nd	2
B4 2nd	1
C8	1
D1	19
D10	3
D2	3
D4	4
D7	2

Name event:product

Value (Text)	Frequency
OTHERS	2
PROD100	3
PROD101	4
PROD104	20
PROD108	18
PROD119	9
PROD120	3
PROD13	17
PROD132	19
PROD140	5

Name event:resource country

Value (Text)	Frequency
0	5
Australia	3
Belgium	178
Brazil	93
Canada	4
China	73
Czech Republic	2
Denmark	1
France	252
Germany	2
INDIA	702
Japan	24
Korea	12
MALAYSIA	2
Mexico	2
Netherlands	27
POLAND	833
Sweden	3.452
THAILAND	15
United Kingdom	168
USA	810

Name event:time:timestamp

Value (Date + time)	Frequency
2006-01-11 15:49:42	1
2006-11-07 10:00:36	1
2006-11-07 13:05:44	1
2007-03-20 09:06:25	1
2007-05-10 16:21:54	1
2007-07-25 14:21:05	1
2008-05-07 18:58:51	1
2008-06-04 12:02:18	1
2008-10-06 16:44:37	1
2008-11-13 09:43:32	1

Name trace:concept:name

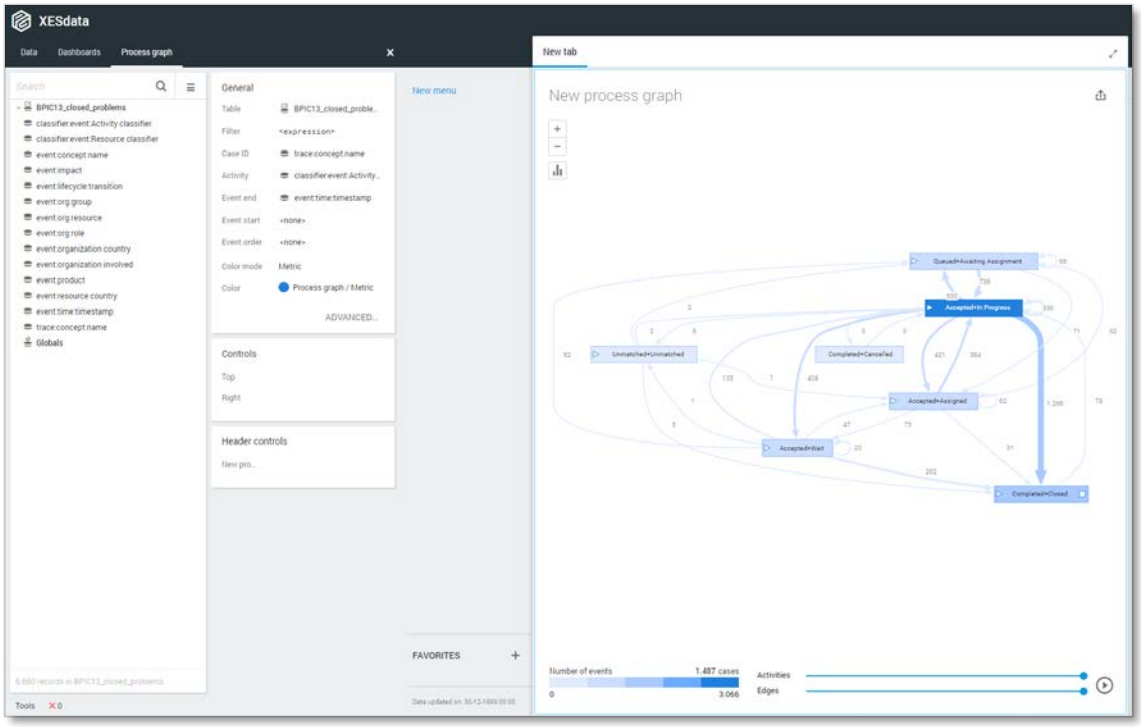
Value (Text)	Frequency
1-109135791	5
1-147898401	6
1-165554831	5
1-172473423	5
1-182640781	7
1-230541365	7
1-236817141	7
1-270399977	8
1-270427461	5
1-310231291	3

Create the dashboard

Follow the same steps as in Level A1, except at the following points:

- Create the Process Graph using *New process graph > BPIC13_closed_problems*
- You do not have to create a DummyTimestamp
- Set the following Process Graph attributes in the right column:
    - Case ID: trace:concept:name
    - Activity: classifier:event:Activity classifier
    - Event end: event:time:timestamp

Now the process graph is visible.

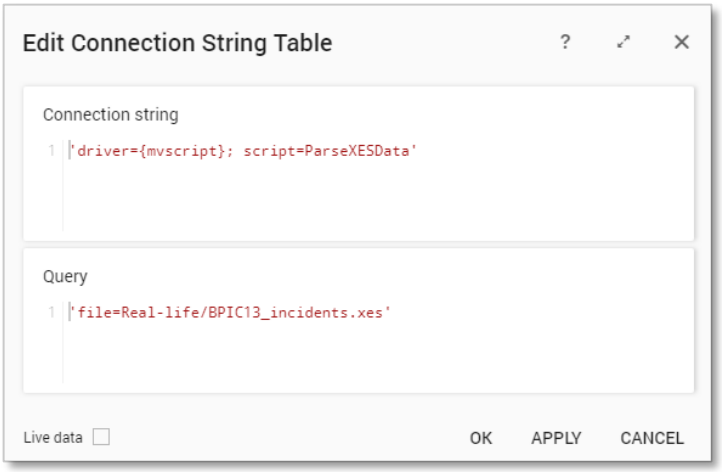


BPIC13_incidents

Load the data

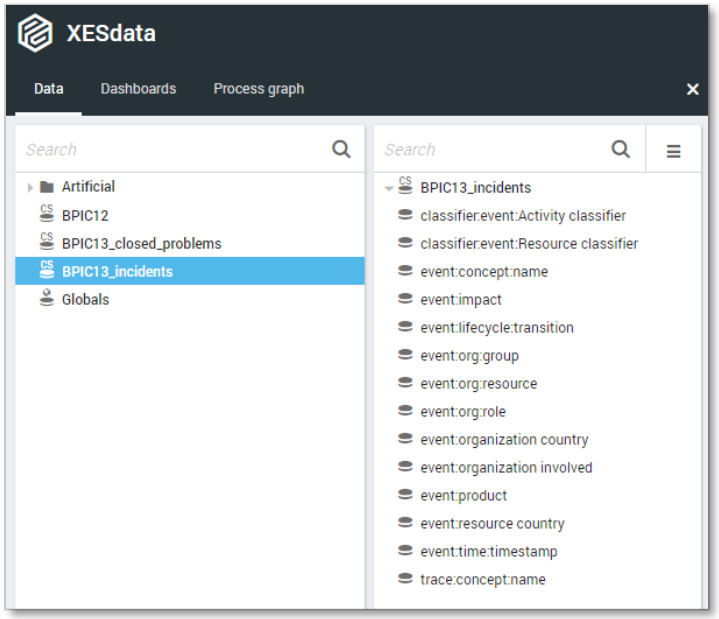
Follow the same steps as in Level A1, except at the following points:

- Use the Real-life/BPIC13_incidents.xes file in the query field of the Connection String:



- Rename the newly created table to BPIC13_incidents.

The data will now be correctly loaded.



Attributes

Name classifier:event:Activity classifier

Value (Text)	Frequency
Accepted+Assigned	3.221
Accepted+In Progress	30.239
Accepted+Wait	1.533
Accepted+Wait - Customer	101
Accepted+Wait - Implementation	493
Accepted+Wait - User	4.217
Accepted+Wait - Vendor	313
Completed+Cancelled	1
Completed+Closed	5.716
Completed+In Call	2.035
Completed+Resolved	6.115
Queued+Awaiting Assignment	11.544
Unmatched+Unmatched	5

Name classifier:event:Resource classifier

Value (Text)	Frequency
-	30
Aaron	37
Abby	83
Abdelkader	1
Abdul	83
Abhijit	2
Abhimanyu	2
Abhinav	26
Abhiseka	77
Abhishek	6

Name event:concept:name

Value (Text)	Frequency
Accepted	40.117
Completed	13.867
Queued	11.544
Unmatched	5

Name event:impact

Value (Text)	Frequency
High	2.707
Low	27.877
Major	44
Medium	34.905

Name event:lifecycle:transition

Value (Text)	Frequency
Assigned	3.221
Awaiting Assignment	11.544
Cancelled	1
Closed	5.716
In Call	2.035
In Progress	30.239
Resolved	6.115
Unmatched	5
Wait	1.533
Wait - Customer	101
Wait - Implementation	493
Wait - User	4.217
Wait - Vendor	313

Name event:org:group

Value (Text)	Frequency
A1	1
A10	146
A11	10
A12	2
A13	3
A14	106
A15	2
A16	2
A17	4
A18	35

Name event:org:resource

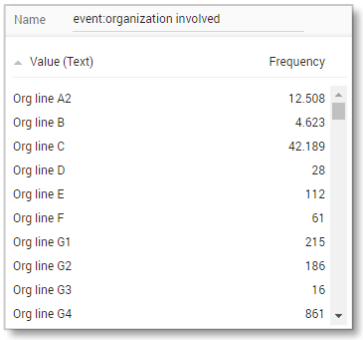
Value (Text)	Frequency
-	30
Aaron	37
Abby	83
Abdelkader	1
Abdul	83
Abhijit	2
Abhimanyu	2
Abhinav	26
Abhiseka	77
Abhishek	6

Name event:org:role

Value (Text)	Frequency
NULL	6.950
A2_1	9.977
A2_2	2.618
A2_3	1.136
A2_4	1.691
A2_5	618
C_1	36
C_3	2
C_5	7
C_6	219

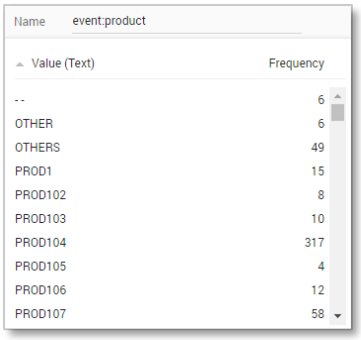
Name event:organization country

Value (Text)	Frequency
0	245
au	188
be	5.944
br	2.660
ca	403
cl	22
cn	1.186
de	55
fr	3.158
gb	267



Name event:organization involved

Value (Text)	Frequency
Org line A2	12.508
Org line B	4.623
Org line C	42.189
Org line D	28
Org line E	112
Org line F	61
Org line G1	215
Org line G2	186
Org line G3	16
Org line G4	861

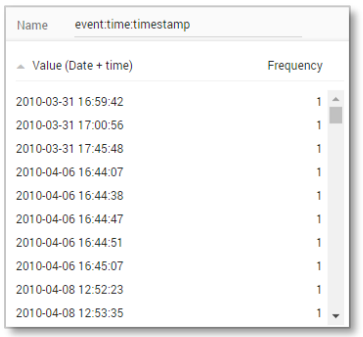


Name event:product

Value (Text)	Frequency
- -	6
OTHER	6
OTHERS	49
PROD1	15
PROD102	8
PROD103	10
PROD104	317
PROD105	4
PROD106	12
PROD107	58

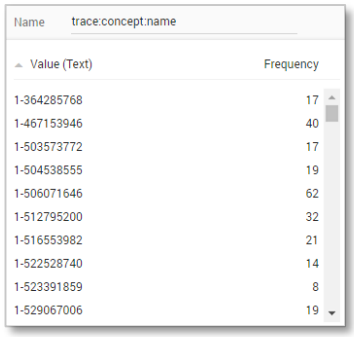
Name event:resource country

Value (Text)	Frequency
0	6.380
Argentina	4
Australia	139
Austria	5
Belgium	3.816
Brazil	6.036
Canada	358
Chile	29
China	1.102
Czech Republic	114



Name event:time:timestamp

Value (Date + time)	Frequency
2010-03-31 16:59:42	1
2010-03-31 17:00:56	1
2010-03-31 17:45:48	1
2010-04-06 16:44:07	1
2010-04-06 16:44:38	1
2010-04-06 16:44:47	1
2010-04-06 16:44:51	1
2010-04-06 16:45:07	1
2010-04-08 12:52:23	1
2010-04-08 12:53:35	1



Name trace:concept:name

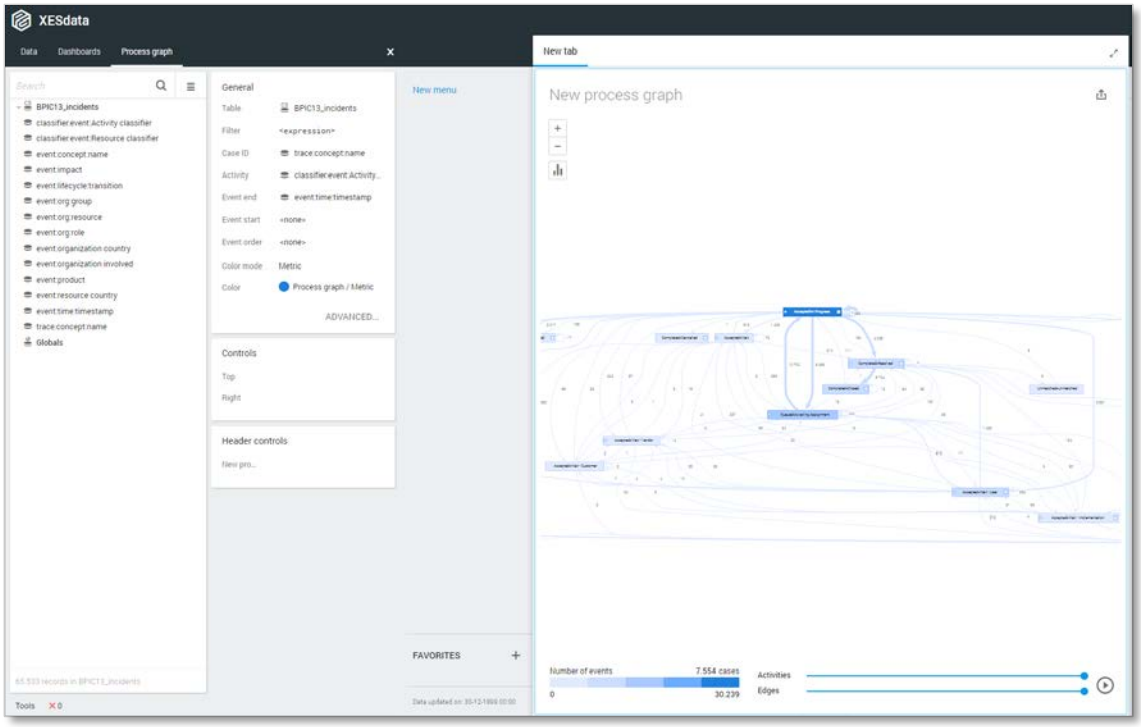
Value (Text)	Frequency
1-364285768	17
1-467153946	40
1-503573772	17
1-504538555	19
1-506071646	62
1-512795200	32
1-516553982	21
1-522528740	14
1-523391859	8
1-529067006	19

Create the dashboard

Follow the same steps as in Level A1, except at the following points:

- Create the Process Graph using *New process graph > BPIC13_incidents*
- You do not have to create a DummyTimestamp
- Set the following Process Graph attributes in the right column:
    - Case ID: trace:concept:name
    - Activity: classifier:event:Activity classifier
    - Event end: event:time:timestamp

Now the process graph is visible.

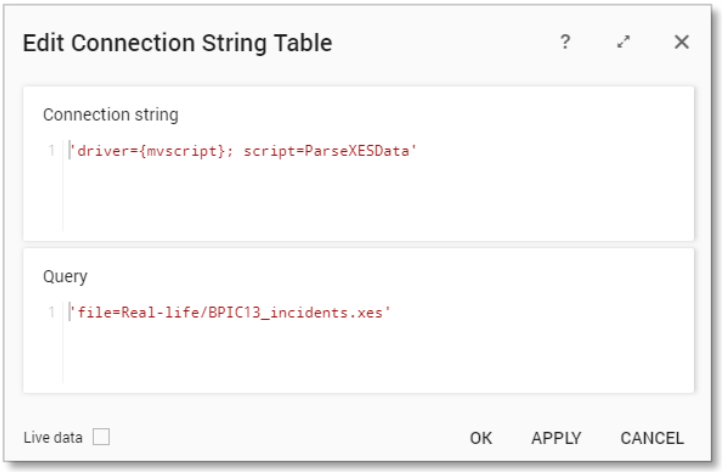


BPIC13_open_problems

Load the data

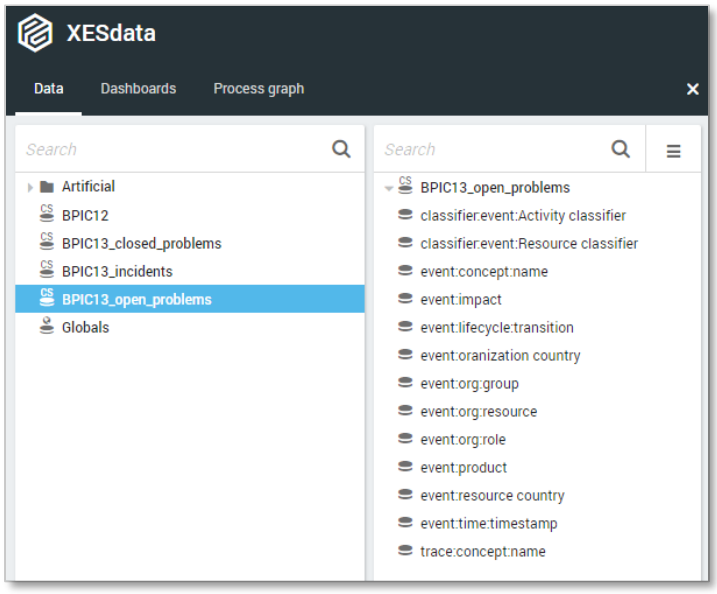
Follow the same steps as in Level A1, except at the following points:

- Use the Real-life/BPIC13_open_problems.xes file in the query field of the Connection String:



- Rename the newly created table to BPIC13_open_problems.

The data will now be correctly loaded.



Attributes

Name: classifier:event:Activity classifier

Value (Text)	Frequency
Accepted+Assigned	215
Accepted+In Progress	1.154
Accepted+Wait	212
Completed+Closed	387
Queued+Awaiting Assignment	383

Name: classifier:event:Resource classifier

Value (Text)	Frequency
-	20
Adam	2
Agneta	9
Alain	4
Alan	9
Alice	5
Amar	11
Amit	1
Amitabh	3
Anandgiri	2

Name: event:concept:name

Value (Text)	Frequency
Accepted	1.581
Completed	387
Queued	383

Name: event:impact

Value (Text)	Frequency
High	644
Low	294
Major	165
Medium	1.248

Name: event:lifecycle:transition

Value (Text)	Frequency
Assigned	215
Awaiting Assignment	383
Closed	387
In Progress	1.154
Wait	212

Name: event:oranization country

Value (Text)	Frequency
0	5
au	6
be	134
br	28
ca	1
cn	78
dk	1
fr	73
gb	176
in	324
jp	9
pl	86
se	1.068
us	362

Name: event:org:group

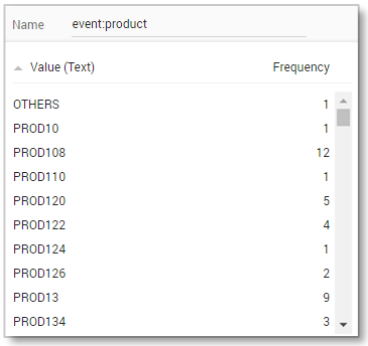
Value (Text)	Frequency
Org line A2	612
Org line B	96
Org line C	1.126
Org line D	16
Org line F	18
Org line G1	7
Org line G3	124
Org line G4	332
Org line V11	2
Org line V2	17
Org line V5	1

Name: event:org:resource

Value (Text)	Frequency
-	20
Adam	2
Agneta	9
Alain	4
Alan	9
Alice	5
Amar	11
Amit	1
Amitabh	3
Anandgiri	2

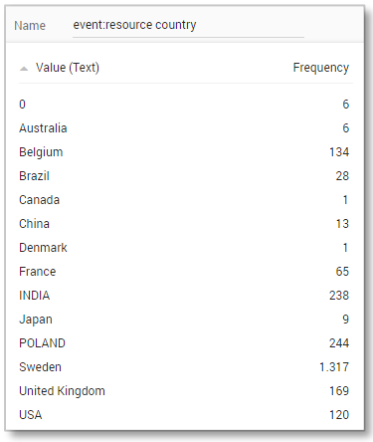
Name: event:org:role

Value (Text)	Frequency
NULL	506
A2_1	289
A2_2	142
A2_3	68
A2_4	83
A2_5	15
C_1	15
C_2	13
C_3	14
C_4	7



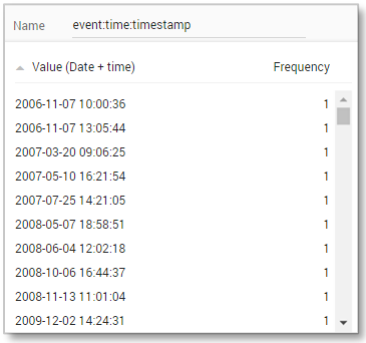
Name event:product

Value (Text)	Frequency
OTHERS	1
PROD10	1
PROD108	12
PROD110	1
PROD120	5
PROD122	4
PROD124	1
PROD126	2
PROD13	9
PROD134	3



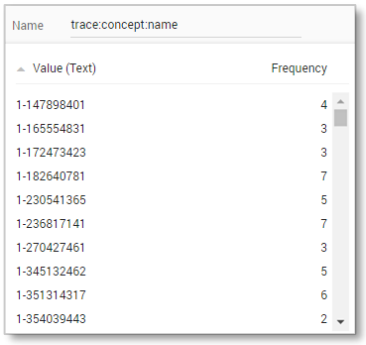
Name event:resource country

Value (Text)	Frequency
0	6
Australia	6
Belgium	134
Brazil	28
Canada	1
China	13
Denmark	1
France	65
INDIA	238
Japan	9
POLAND	244
Sweden	1.317
United Kingdom	169
USA	120



Name event:time:timestamp

Value (Date + time)	Frequency
2006-11-07 10:00:36	1
2006-11-07 13:05:44	1
2007-03-20 09:06:25	1
2007-05-10 16:21:54	1
2007-07-25 14:21:05	1
2008-05-07 18:58:51	1
2008-06-04 12:02:18	1
2008-10-06 16:44:37	1
2008-11-13 11:01:04	1
2009-12-02 14:24:31	1



Name trace:concept:name

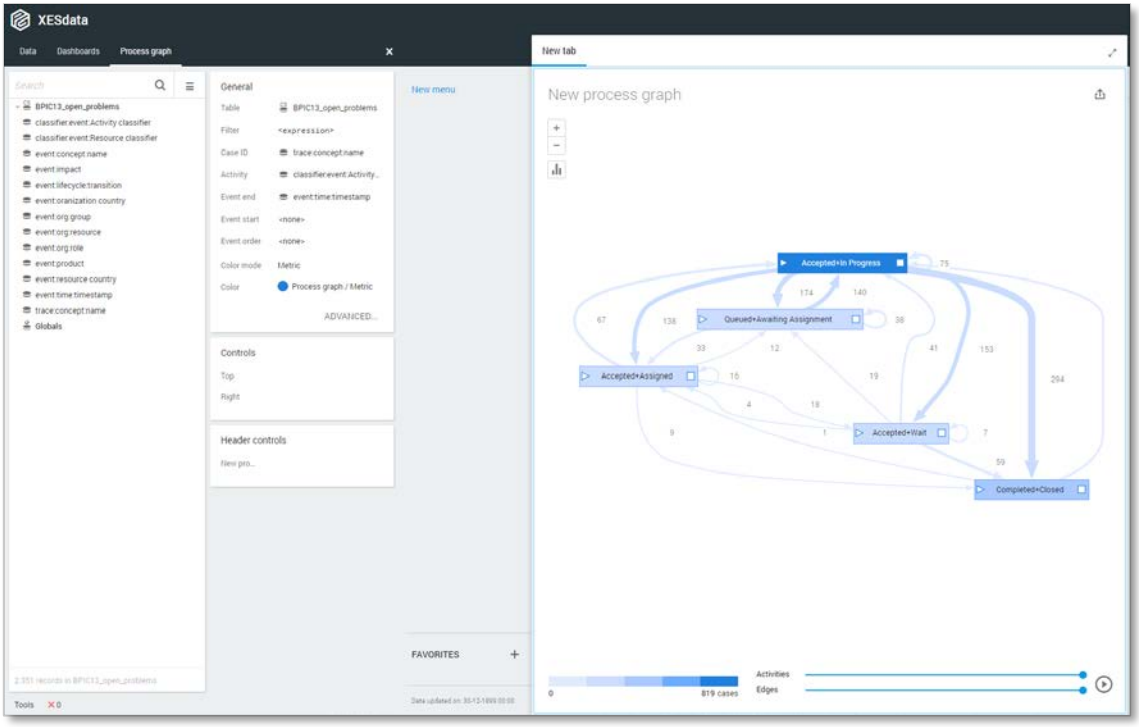
Value (Text)	Frequency
1-147898401	4
1-165554831	3
1-172473423	3
1-182640781	7
1-230541365	5
1-236817141	7
1-270427461	3
1-345132462	5
1-351314317	6
1-354039443	2

Create the dashboard

Follow the same steps as in Level A1, except at the following points:

- Create the Process Graph using *New process graph > BPIC13_open_problems*
- You do not have to create a DummyTimestamp
- Set the following Process Graph attributes in the right column:
    - Case ID: trace:concept:name
    - Activity: classifier:event:Activity classifier
    - Event end: event:time:timestamp

Now the process graph is visible.

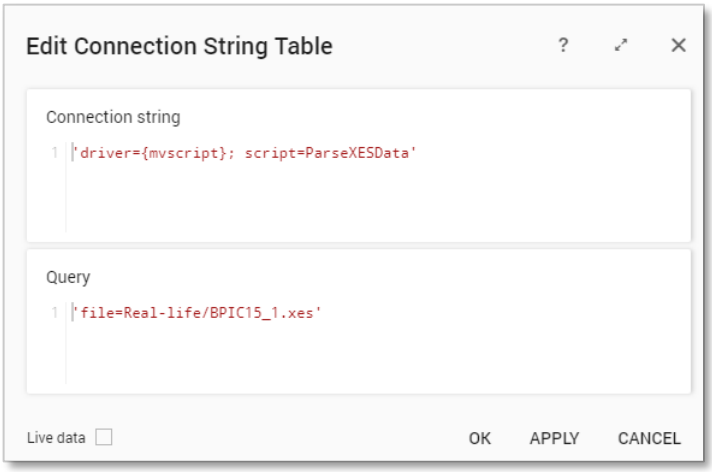


BPIC15_1

Load the data

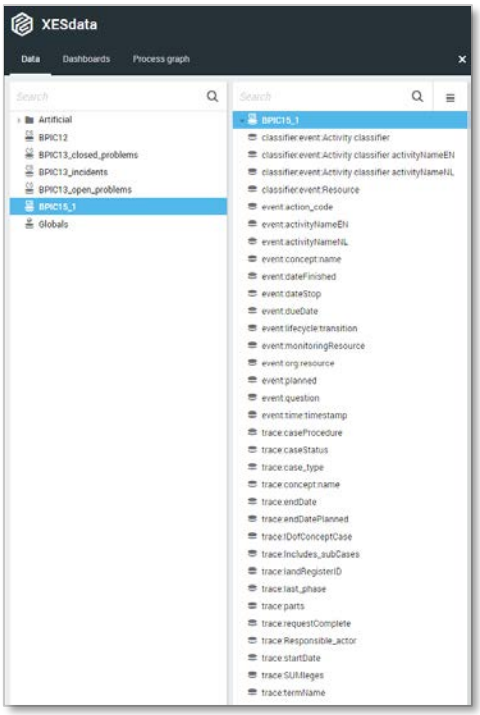
Follow the same steps as in Level A1, except at the following points:

- Use the Real-life/BPIC15_1.xes file in the query field of the Connection String:

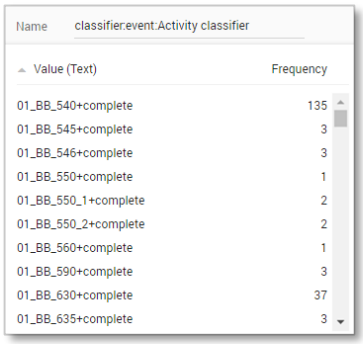


- Rename the newly created table to BPIC15_1.

The data will now be correctly loaded.

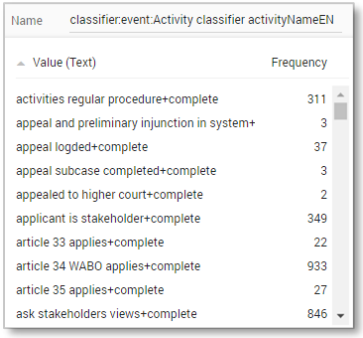


Attributes



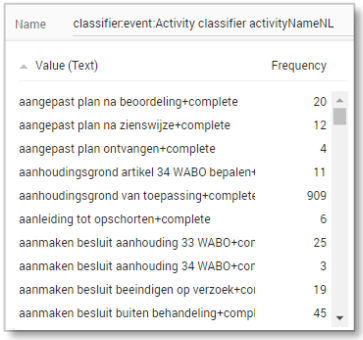
Name classifier:event:Activity classifier

Value (Text)	Frequency
01_BB_540+complete	135
01_BB_545+complete	3
01_BB_546+complete	3
01_BB_550+complete	1
01_BB_550_1+complete	2
01_BB_550_2+complete	2
01_BB_560+complete	1
01_BB_590+complete	3
01_BB_630+complete	37
01_BB_635+complete	3



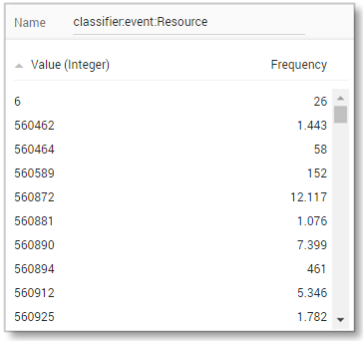
Name classifier:event:Activity classifier activityNameEN

Value (Text)	Frequency
activities regular procedure+complete	311
appeal and preliminary injunction in system+	3
appeal logded+complete	37
appeal subcase completed+complete	3
appealed to higher court+complete	2
applicant is stakeholder+complete	349
article 33 applies+complete	22
article 34 WABO applies+complete	933
article 35 applies+complete	27
ask stakeholders views+complete	846



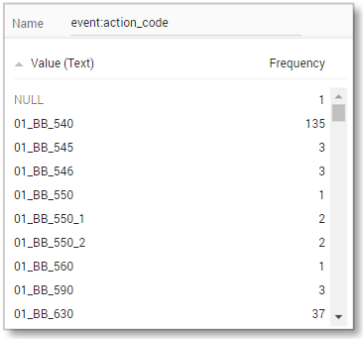
Name classifier:event:Activity classifier activityNameNL

Value (Text)	Frequency
aangepast plan na beoordeling+complete	20
aangepast plan na zienswijze+complete	12
aangepast plan ontvangen+complete	4
aanhoudingsgrond artikel 34 WABO bepalen+	11
aanhoudingsgrond van toepassing+complete	909
aanleiding tot opschorten+complete	6
aanmaken besluit aanhouding 33 WABO+cor	25
aanmaken besluit aanhouding 34 WABO+cor	3
aanmaken besluit beeindigen op verzoek+co	19
aanmaken besluit buiten behandeling+compl	45



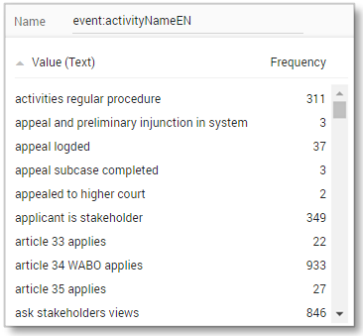
Name classifier:event:Resource

Value (Integer)	Frequency
6	26
560462	1.443
560464	58
560589	152
560872	12.117
560881	1.076
560890	7.399
560894	461
560912	5.346
560925	1.782



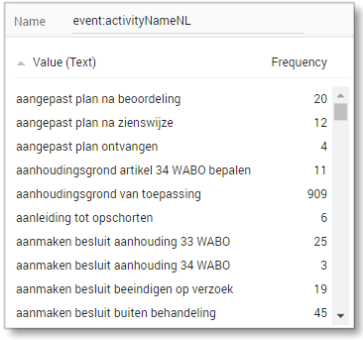
Name event:action_code

Value (Text)	Frequency
NULL	1
01_BB_540	135
01_BB_545	3
01_BB_546	3
01_BB_550	1
01_BB_550_1	2
01_BB_550_2	2
01_BB_560	1
01_BB_590	3
01_BB_630	37



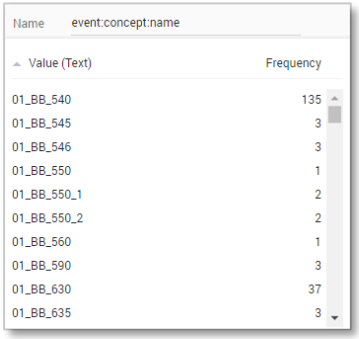
Name event:activityNameEN

Value (Text)	Frequency
activities regular procedure	311
appeal and preliminary injunction in system	3
appeal logded	37
appeal subcase completed	3
appealed to higher court	2
applicant is stakeholder	349
article 33 applies	22
article 34 WABO applies	933
article 35 applies	27
ask stakeholders views	846



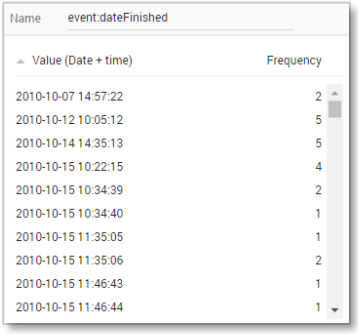
Name event:activityNameNL

Value (Text)	Frequency
aangepast plan na beoordeling	20
aangepast plan na zienswijze	12
aangepast plan ontvangen	4
aanhoudingsgrond artikel 34 WABO bepalen	11
aanhoudingsgrond van toepassing	909
aanleiding tot opschorten	6
aanmaken besluit aanhouding 33 WABO	25
aanmaken besluit aanhouding 34 WABO	3
aanmaken besluit beeindigen op verzoek	19
aanmaken besluit buiten behandeling	45



Name event:concept:name

Value (Text)	Frequency
01_BB_540	135
01_BB_545	3
01_BB_546	3
01_BB_550	1
01_BB_550_1	2
01_BB_550_2	2
01_BB_560	1
01_BB_590	3
01_BB_630	37
01_BB_635	3



Name event:dateFinished

Value (Date + time)	Frequency
2010-10-07 14:57:22	2
2010-10-12 10:05:12	5
2010-10-14 14:35:13	5
2010-10-15 10:22:15	4
2010-10-15 10:34:39	2
2010-10-15 10:34:40	1
2010-10-15 11:35:05	1
2010-10-15 11:35:06	2
2010-10-15 11:46:43	1
2010-10-15 11:46:44	1

Name event:dateStop

Value (Date + time)	Frequency
NULL	52.215
2012-04-03 10:48:53	1
2012-04-17 12:35:24	1

Name event:dueDate

Value (Date + time)	Frequency
NULL	48.877
2010-10-04 13:04:41	1
2010-10-10 14:43:08	1
2010-10-14 10:51:19	1
2010-10-15 09:54:56	1
2010-10-17 09:56:10	1
2010-10-17 10:21:48	1
2010-10-17 10:22:11	1
2010-10-17 12:26:12	1
2010-10-17 13:42:23	1

Name event:time:timestamp

Value (Date + time)	Frequency
2010-10-05 00:00:00	1
2010-10-06 00:00:00	2
2010-10-07 00:00:00	1
2010-10-07 14:57:14	1
2010-10-11 00:00:00	3
2010-10-12 00:00:00	3
2010-10-12 09:54:56	1
2010-10-12 09:56:10	1
2010-10-12 09:56:15	1
2010-10-12 09:56:28	1

Name event:lifecycle:transition

Value (Text)	Frequency
complete	52.217

Name event:monitoringResource

Value (Integer)	Frequency
6	2
560462	2.014
560464	2.488
560589	282
560872	5.012
560881	104
560884	3
560890	4.119
560894	1.167
560912	3.551

Name event:org:resource

Value (Integer)	Frequency
6	26
560462	1.443
560464	58
560589	152
560872	12.117
560881	1.076
560890	7.399
560894	461
560912	5.346
560925	1.782

Name event:planned

Value (Date + time)	Frequency
NULL	6.013
2010-10-02 13:04:41	1
2010-10-08 14:43:08	1
2010-10-12 10:51:19	1
2010-10-13 09:54:56	1
2010-10-13 09:56:10	1
2010-10-13 09:56:15	1
2010-10-13 09:56:29	1
2010-10-15 12:26:12	1
2010-10-15 13:42:23	1

Name event:question

Value (Text)	Frequency
0	7
1	2
1-12-2011 0:00:00	1
1-12-2012 0:00:00	4
1-2-2011 0:00:00	3
1-2-2012 0:00:00	7
1-3-2011 0:00:00	1
1-4-2011 0:00:00	1
1-5-2012 0:00:00	1
1-5-2014 0:00:00	1

Name trace:caseStatus

Value (Text)	Frequency
G	28.775
O	23.431
T	11

Name trace:caseProcedure

Value (Text)	Frequency
NULL	46.538
Regulier	818
Uitgebreid	4.861

Name trace:case_type

Value (Integer)	Frequency
557669	52.217

Name trace:concept:name

Value (Integer)	Frequency
2742737	7
2760925	2
2771451	53
2782209	38
2783345	51
2794023	27
2797217	43
2799076	2
2802160	21
2814003	41

Name trace:endDate

Value (Date + time)	Frequency
NULL	7.744
2010-11-16 00:00:00	38
2010-11-23 00:00:00	38
2010-12-06 00:00:00	194
2010-12-07 00:00:00	27
2010-12-21 00:00:00	43
2010-12-24 00:00:00	9
2011-01-13 00:00:00	40
2011-01-20 00:00:00	51
2011-01-24 00:00:00	80

Name trace:endDatePlanned

Value (Date + time)	Frequency
NULL	45.090
2010-12-29 00:00:00	35
2011-02-10 00:00:00	62
2011-05-03 00:00:00	53
2011-05-27 00:00:00	42
2011-08-08 00:00:00	42
2011-08-22 00:00:00	41
2011-08-25 00:00:00	35
2011-09-09 00:00:00	40
2011-09-12 00:00:00	21

Name trace:Includes_subCases

Value (Text)	Frequency
NULL	11.280
J	36.204
N	4.733

Name trace:landRegisterID

Value (Integer)	Frequency
NULL	44.210
715030	54
715338	57
715482	45
715516	13
715590	76
715758	86
715996	48
716672	48
716718	69

Name trace:IDofConceptCase

Value (Integer)	Frequency
NULL	16.381
2760933	2
2771472	53
2799084	2
2802701	21
2817552	74
2824824	7
2832470	47
2852294	9
2857162	35

Name trace:requestComplete

Value (Boolean)	Frequency
False	13.524
True	38.693

Name trace:parts

Value (Text)	Frequency
NULL	23
Aanleg (Uitvoeren werk of werkzaamheid)	1.314
Aanleg (Uitvoeren werk of werkzaamheid),Bo	81
Aanleg (Uitvoeren werk of werkzaamheid),Ha	43
Aanleg (Uitvoeren werk of werkzaamheid),Ka	50
Bouw	26.243
Bouw,Aanleg (Uitvoeren werk of werkzaamhe	150
Bouw,Aanleg (Uitvoeren werk of werkzaamhe	53
Bouw,Aanleg (Uitvoeren werk of werkzaamhe	110
Bouw,Aanleg (Uitvoeren werk of werkzaamhe	44

Name trace:Responsible_actor

Value (Integer)	Frequency
NULL	19
560462	506
560464	15.453
560589	58
560872	1.481
560881	50
560884	9
560890	11
560894	395
560912	6.166

Name trace:last_phase

Value (Text)	Frequency
Aangepast plan gevraagd	13
Aanvraag ontvangen	1.049
Aanvraag ontvankelijk	116
Aanvullende gegevens gevraagd	215
Aanvullende gegevens ontvangen	161
Advies bekend	580
Beschikking verzonden	20.813
Besluit genomen	1.772
Besluit onherroepelijk	2.729
Besluit vernietigd	9

Name trace:startDate

Value (Date + time)	Frequency
2010-10-05 00:00:00	2
2010-10-06 00:00:00	91
2010-10-07 00:00:00	51
2010-10-12 00:00:00	70
2010-10-13 00:00:00	23
2010-10-19 00:00:00	82
2010-10-22 00:00:00	109
2010-10-25 00:00:00	73
2010-10-26 00:00:00	49
2010-10-27 00:00:00	7

Name trace:termName

Value (Text)	Frequency
NULL	13.743
Termijn aanvullende gegevens	331
Termijn bezwaar en beroep 1	33.291
Termijn bezwaar en beroep 2	229
Termijn ontwerpbeschikking ter inzage 1	53
Termijn reactieve aanwijzing	87
Termijn ter inzage buiten behandeling	358
Termijn ter inzage verlenging	27
Termijn tot besluit	2.523
Termijn tot besluit na geen zienswijzen	302
Termijn tot besluit omgezet	221
Termijn tot besluit omgezet 2	111
Termijn tot besluit verlengd	319
Termijn tot bezwaar buiten behandeling	622

Name trace:SUMleges

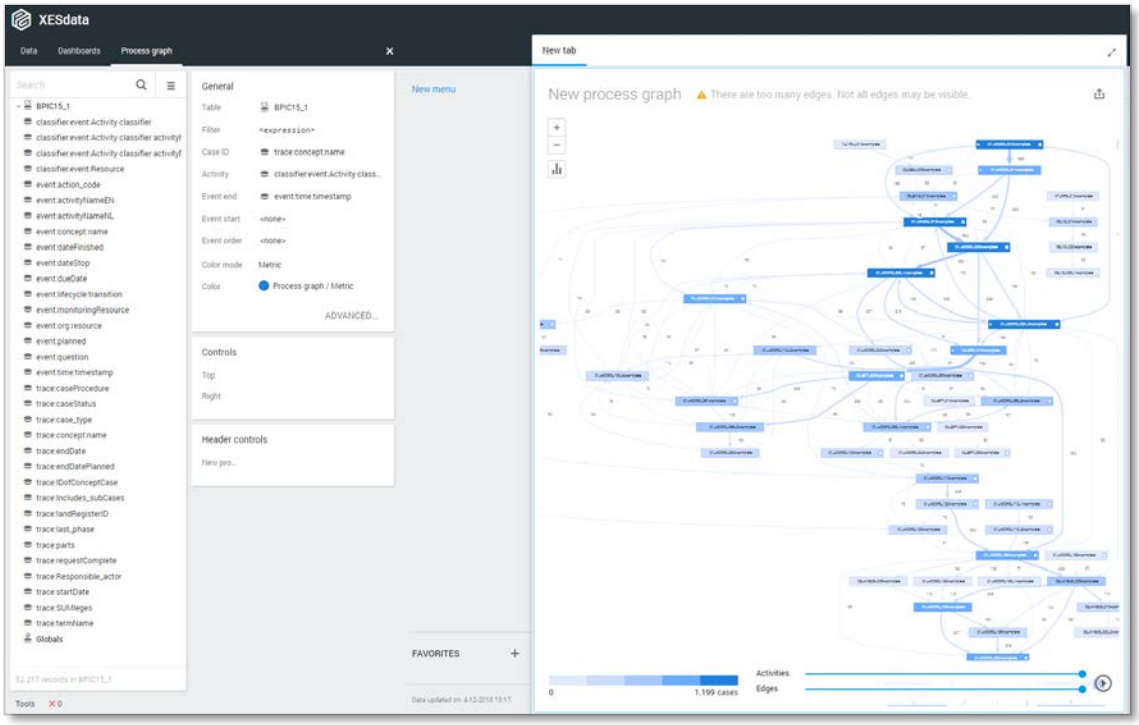
Value (Double)	Frequency
NULL	8.632
-2234.54	54
-624.4691	35
-195.19666	39
-184.40625	47
-73.52646	46
0	493
1.686	43
2.48685	45
3.372	42

Create the dashboard

Follow the same steps as in Level A1, except at the following points:

- Create the Process Graph using *New process graph > BPIC15_1*
- You do not have to create a DummyTimestamp
- Set the following Process Graph attributes in the right column:
    - Case ID: trace:concept:name
    - Activity: classifier:event:Activity classifier
    - Event end: event:time:timestamp

Now the process graph is visible.



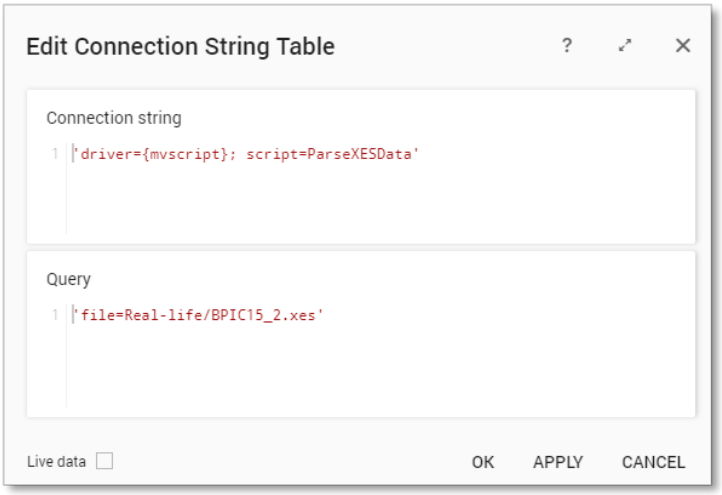
Note that not all edges could be drawn due to the size of the graph.

BPIC15_2

Load the data

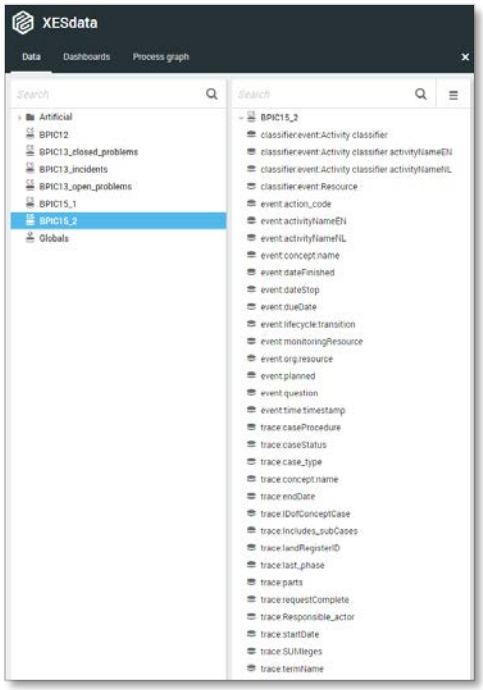
Follow the same steps as in Level A1, except at the following points:

- Use the Real-life/BPIC15_2.xes file in the query field of the Connection String:

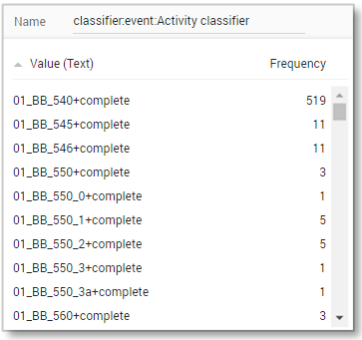


- Rename the newly created table to BPIC15_2.

The data will now be correctly loaded.

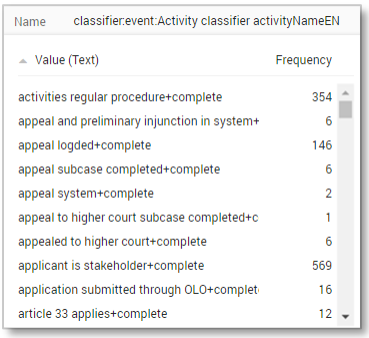


Attributes



Name classifier:event:Activity classifier

Value (Text)	Frequency
01_BB_540+complete	519
01_BB_545+complete	11
01_BB_546+complete	11
01_BB_550+complete	3
01_BB_550_0+complete	1
01_BB_550_1+complete	5
01_BB_550_2+complete	5
01_BB_550_3+complete	1
01_BB_550_3a+complete	1
01_BB_560+complete	3

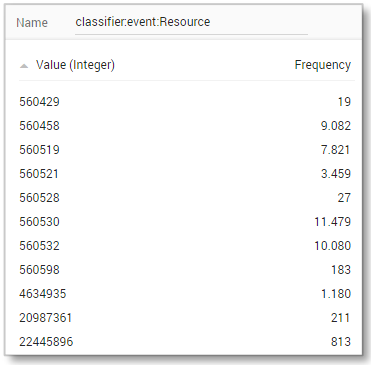


Name classifier:event:Activity classifier activityNameEN

Value (Text)	Frequency
activities regular procedure+complete	354
appeal and preliminary injunction in system+	6
appeal logded+complete	146
appeal subcase completed+complete	6
appeal system+complete	2
appeal to higher court subcase completed+c	1
appealed to higher court+complete	6
applicant is stakeholder+complete	569
application submitted through OLO+complet	16
article 33 applies+complete	12

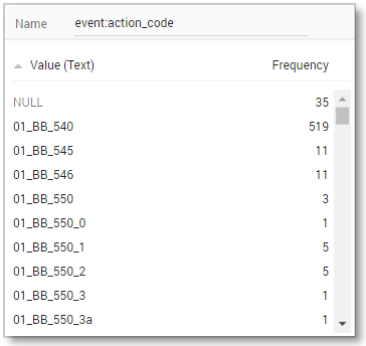
Name classifier:event:Activity classifier activityNameNL

Value (Text)	Frequency
aangepast plan na beoordeling+complete	10
aangepast plan na zienswijze+complete	15
aangepast plan ontvangen+complete	2
aanhoudingsgrond van toepassing+complete	681
aanleiding tot opschorten+complete	9
aanmaken besluit aanhouding 33 WABO+cor	9
aanmaken besluit aanhouding 35 WABO+cor	3
aanmaken besluit beeindigen op verzoek+co	6
aanmaken besluit buiten behandeling+compl	32
aanmaken besluit omgevingsvergunning+cor	712



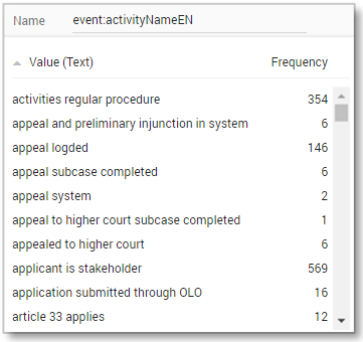
Name classifier:event:Resource

Value (Integer)	Frequency
560429	19
560458	9.082
560519	7.821
560521	3.459
560528	27
560530	11.479
560532	10.080
560598	183
4634935	1.180
20987361	211
22445896	813



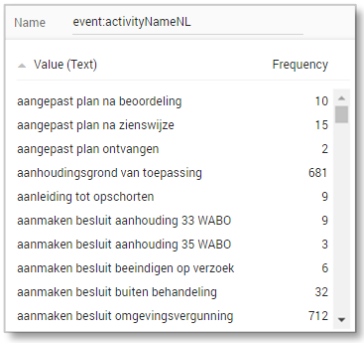
Name event:action_code

Value (Text)	Frequency
NULL	35
01_BB_540	519
01_BB_545	11
01_BB_546	11
01_BB_550	3
01_BB_550_0	1
01_BB_550_1	5
01_BB_550_2	5
01_BB_550_3	1
01_BB_550_3a	1



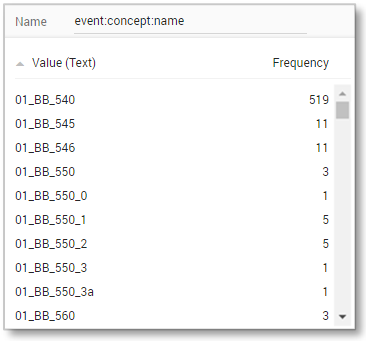
Name event:activityNameEN

Value (Text)	Frequency
activities regular procedure	354
appeal and preliminary injunction in system	6
appeal logded	146
appeal subcase completed	6
appeal system	2
appeal to higher court subcase completed	1
appealed to higher court	6
applicant is stakeholder	569
application submitted through OLO	16
article 33 applies	12



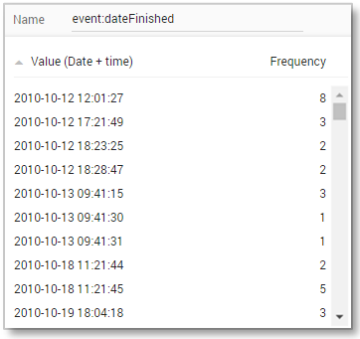
Name event:activityNameNL

Value (Text)	Frequency
aangepast plan na beoordeling	10
aangepast plan na zienswijze	15
aangepast plan ontvangen	2
aanhoudingsgrond van toepassing	681
aanleiding tot opschorten	9
aanmaken besluit aanhouding 33 WABO	9
aanmaken besluit aanhouding 35 WABO	3
aanmaken besluit beeindigen op verzoek	6
aanmaken besluit buiten behandeling	32
aanmaken besluit omgevingsvergunning	712



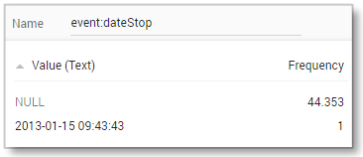
Name event:concept:name

Value (Text)	Frequency
01_BB_540	519
01_BB_545	11
01_BB_546	11
01_BB_550	3
01_BB_550_0	1
01_BB_550_1	5
01_BB_550_2	5
01_BB_550_3	1
01_BB_550_3a	1
01_BB_560	3



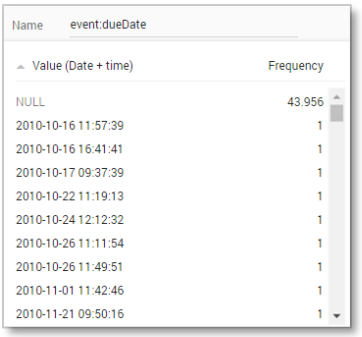
Name event:dateFinished

Value (Date + time)	Frequency
2010-10-12 12:01:27	8
2010-10-12 17:21:49	3
2010-10-12 18:23:25	2
2010-10-12 18:28:47	2
2010-10-13 09:41:15	3
2010-10-13 09:41:30	1
2010-10-13 09:41:31	1
2010-10-18 11:21:44	2
2010-10-18 11:21:45	5
2010-10-19 18:04:18	3



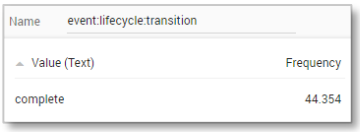
Name event:dateStop

Value (Text)	Frequency
NULL	44.353
2013-01-15 09:43:43	1



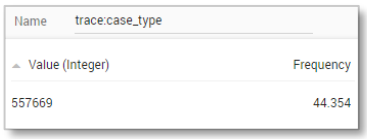
Name event:dueDate

Value (Date + time)	Frequency
NULL	43.956
2010-10-16 11:57:39	1
2010-10-16 16:41:41	1
2010-10-17 09:37:39	1
2010-10-22 11:19:13	1
2010-10-24 12:12:32	1
2010-10-26 11:11:54	1
2010-10-26 11:49:51	1
2010-11-01 11:42:46	1
2010-11-21 09:50:16	1



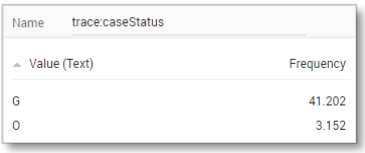
Name event:lifecycle:transition

Value (Text)	Frequency
complete	44.354



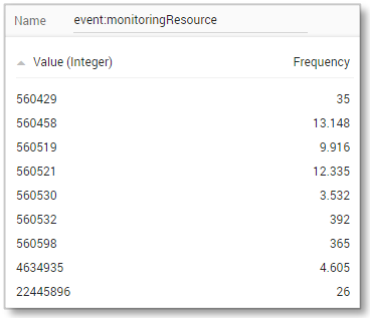
Name trace:case_type

Value (Integer)	Frequency
557669	44.354



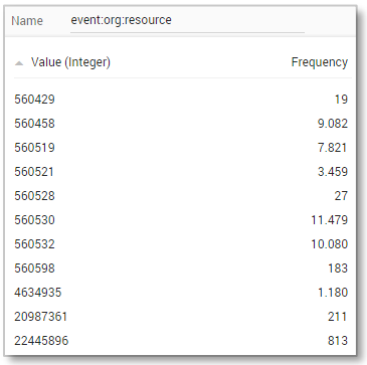
Name trace:caseStatus

Value (Text)	Frequency
G	41.202
O	3.152



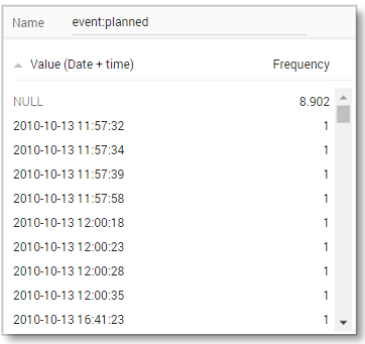
Name event:monitoringResource

Value (Integer)	Frequency
560429	35
560458	13.148
560519	9.916
560521	12.335
560530	3.532
560532	392
560598	365
4634935	4.605
22445896	26



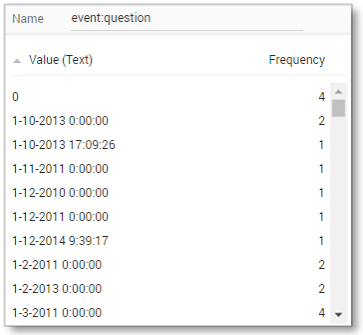
Name event:org:resource

Value (Integer)	Frequency
560429	19
560458	9.082
560519	7.821
560521	3.459
560528	27
560530	11.479
560532	10.080
560598	183
4634935	1.180
20987361	211
22445896	813



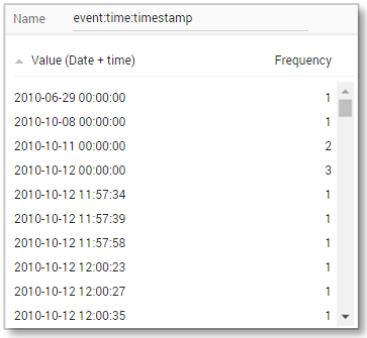
Name event:planned

Value (Date + time)	Frequency
NULL	8.902
2010-10-13 11:57:32	1
2010-10-13 11:57:34	1
2010-10-13 11:57:39	1
2010-10-13 11:57:58	1
2010-10-13 12:00:18	1
2010-10-13 12:00:23	1
2010-10-13 12:00:28	1
2010-10-13 12:00:35	1
2010-10-13 16:41:23	1



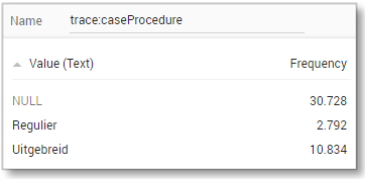
Name event:question

Value (Text)	Frequency
0	4
1-10-2013 0:00:00	2
1-10-2013 17:09:26	1
1-11-2011 0:00:00	1
1-12-2010 0:00:00	1
1-12-2011 0:00:00	1
1-12-2014 9:39:17	1
1-2-2011 0:00:00	2
1-2-2013 0:00:00	2
1-3-2011 0:00:00	4



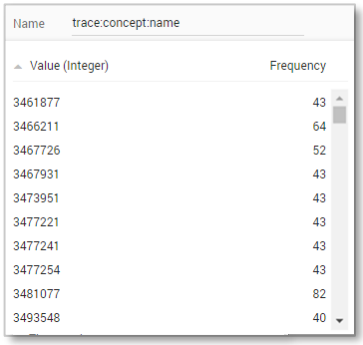
Name event:time:timestamp

Value (Date + time)	Frequency
2010-06-29 00:00:00	1
2010-10-08 00:00:00	1
2010-10-11 00:00:00	2
2010-10-12 00:00:00	3
2010-10-12 11:57:34	1
2010-10-12 11:57:39	1
2010-10-12 11:57:58	1
2010-10-12 12:00:23	1
2010-10-12 12:00:27	1
2010-10-12 12:00:35	1



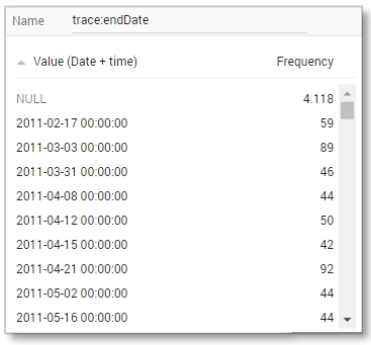
Name trace:caseProcedure

Value (Text)	Frequency
NULL	30.728
Regulier	2.792
Uitgebreid	10.834



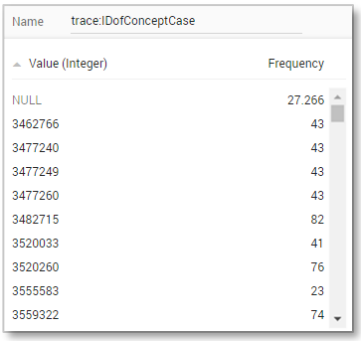
Name trace:concept:name

Value (Integer)	Frequency
3461877	43
3466211	64
3467726	52
3467931	43
3473951	43
3477221	43
3477241	43
3477254	43
3481077	82
3493548	40



Name trace:endDate

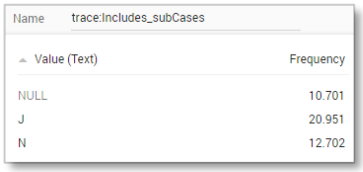
Value (Date + time)	Frequency
NULL	4.118
2011-02-17 00:00:00	59
2011-03-03 00:00:00	89
2011-03-31 00:00:00	46
2011-04-08 00:00:00	44
2011-04-12 00:00:00	50
2011-04-15 00:00:00	42
2011-04-21 00:00:00	92
2011-05-02 00:00:00	44
2011-05-16 00:00:00	44



Name trace:IDofConceptCase

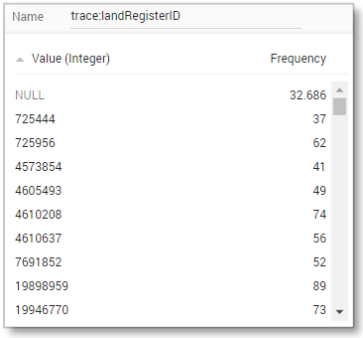
Value (Integer)	Frequency
NULL	27.266
3462766	43
3477240	43
3477249	43
3477260	43
3482715	82
3520033	41
3520260	76
3555583	23
3559322	74

IMPORT



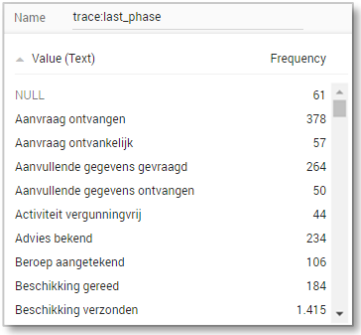
Name trace:Includes_subCases

Value (Text)	Frequency
NULL	10.701
J	20.951
N	12.702



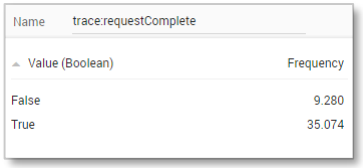
Name trace:landRegisterID

Value (Integer)	Frequency
NULL	32.686
725444	37
725956	62
4573854	41
4605493	49
4610208	74
4610637	56
7691852	52
19898959	89
19946770	73



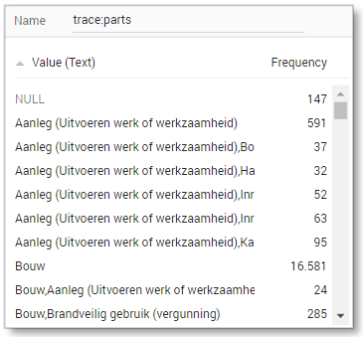
Name trace:last_phase

Value (Text)	Frequency
NULL	61
Aanvraag ontvangen	378
Aanvraag ontvankelijk	57
Aanvullende gegevens gevraagd	264
Aanvullende gegevens ontvangen	50
Activiteit vergunningvrij	44
Advies bekend	234
Beroep aangetekend	106
Beschikking gereed	184
Beschikking verzonden	1.415



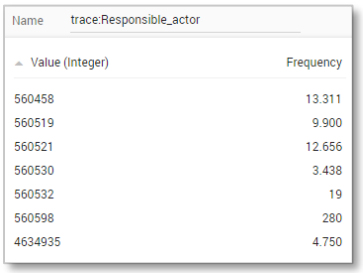
Name trace:requestComplete

Value (Boolean)	Frequency
False	9.280
True	35.074



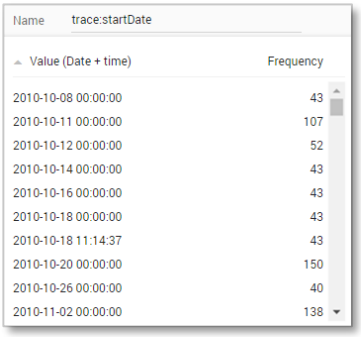
Name trace:parts

Value (Text)	Frequency
NULL	147
Aanleg (Uitvoeren werk of werkzaamheid)	591
Aanleg (Uitvoeren werk of werkzaamheid),Bo	37
Aanleg (Uitvoeren werk of werkzaamheid),Ha	32
Aanleg (Uitvoeren werk of werkzaamheid),Inr	52
Aanleg (Uitvoeren werk of werkzaamheid),Inr	63
Aanleg (Uitvoeren werk of werkzaamheid),Ka	95
Bouw	16.581
Bouw,Aanleg (Uitvoeren werk of werkzaamhe	24
Bouw,Brandveilig gebruik (vergunning)	285



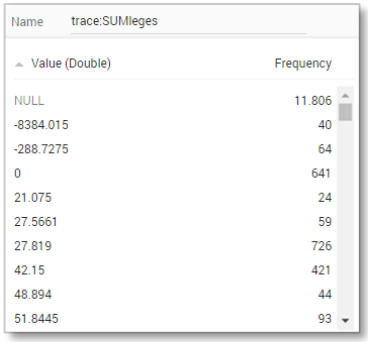
Name trace:Responsible_actor

Value (Integer)	Frequency
560458	13.311
560519	9.900
560521	12.656
560530	3.438
560532	19
560598	280
4634935	4.750



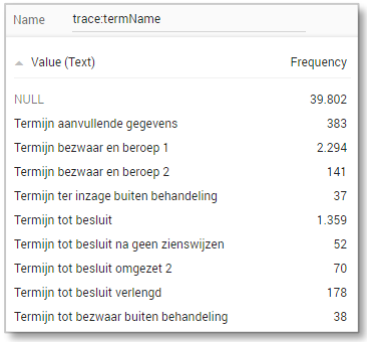
Name trace:startDate

Value (Date + time)	Frequency
2010-10-08 00:00:00	43
2010-10-11 00:00:00	107
2010-10-12 00:00:00	52
2010-10-14 00:00:00	43
2010-10-16 00:00:00	43
2010-10-18 00:00:00	43
2010-10-18 11:14:37	43
2010-10-20 00:00:00	150
2010-10-26 00:00:00	40
2010-11-02 00:00:00	138



Name trace:SUMleges

Value (Double)	Frequency
NULL	11.806
-8384.015	40
-288.7275	64
0	641
21.075	24
27.5661	59
27.819	726
42.15	421
48.894	44
51.8445	93



Name trace:termName

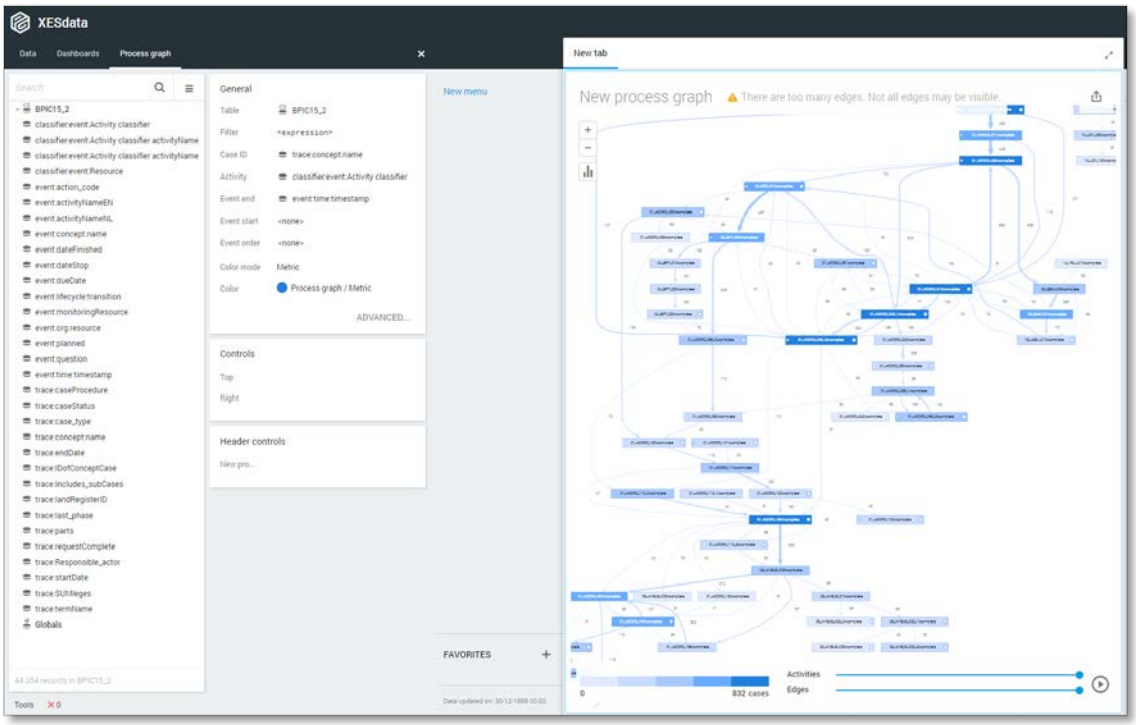
Value (Text)	Frequency
NULL	39.802
Termijn aanvullende gegevens	383
Termijn bezwaar en beroep 1	2.294
Termijn bezwaar en beroep 2	141
Termijn ter inzage buiten behandeling	37
Termijn tot besluit	1.359
Termijn tot besluit na geen zienswijzen	52
Termijn tot besluit omgezet 2	70
Termijn tot besluit verlengd	178
Termijn tot bezwaar buiten behandeling	38

Create the dashboard

Follow the same steps as in Level A1, except at the following points:

- Create the Process Graph using *New process graph > BPIC15_2*
- You do not have to create a DummyTimestamp
- Set the following Process Graph attributes in the right column:
    - Case ID: trace:concept:name
    - Activity: classifier:event:Activity classifier
    - Event end: event:time:timestamp

Now the process graph is visible.



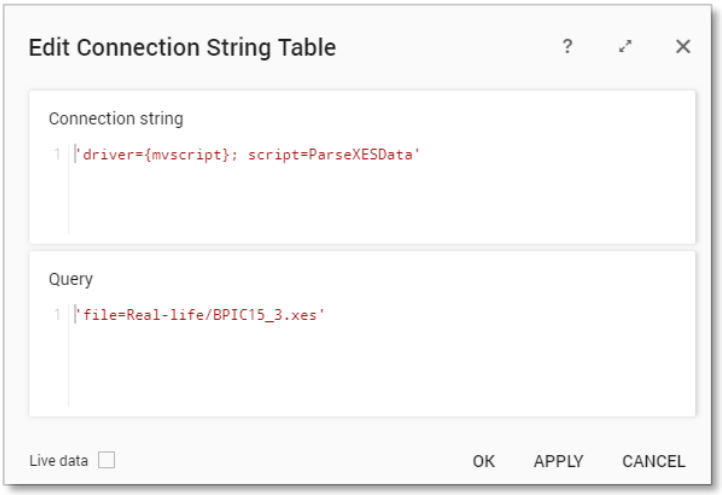
Note that not all edges could be drawn due to the size of the graph.

BPIC15_3

Load the data

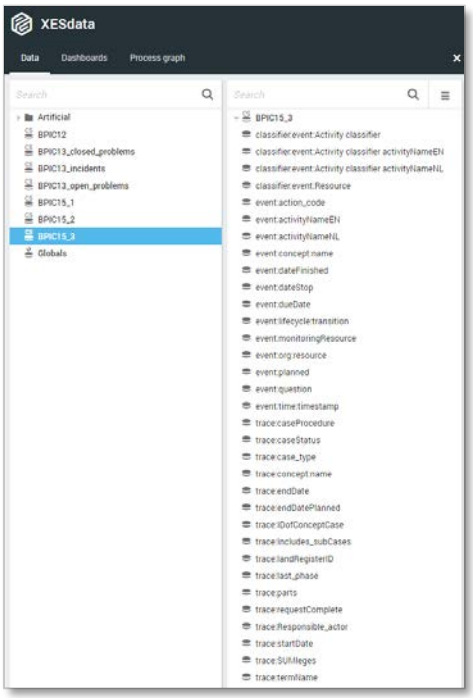
Follow the same steps as in Level A1, except at the following points:

- Use the Real-life/BPIC15_3.xes file in the query field of the Connection String:



- Rename the newly created table to BPIC15_3.

The data will now be correctly loaded.



Attributes

Name: classifier:event:Activity classifier

Value (Text)	Frequency
01_BB_540+complete	39
01_BB_545+complete	1
01_BB_546+complete	1
01_BB_630+complete	19
01_BB_640+complete	1
01_BB_650_1+complete	1
01_BB_650_2+complete	1
01_BB_730+complete	9
01_BB_755+complete	3
01_BB_760+complete	1

Name: classifier:event:Activity classifier activityNameEN

Value (Text)	Frequency
activities regular procedure+complete	395
appeal logded+complete	19
applicant is stakeholder+complete	1.131
application submitted through OLO+complet	4
article 33 applies+complete	40
article 34 WABO applies+complete	1.238
article 35 applies+complete	42
ask stakeholders views+complete	1.059
assessment of content completed+complete	1.049
by law+complete	1.059

Name: classifier:event:Activity classifier activityNameNL

Value (Text)	Frequency
aangepast plan na beoordeling+complete	104
aangepast plan na zienswijze+complete	15
aangepast plan ontvangen+complete	71
aanhoudingsgrond artikel 34 WABO bepalen+	5
aanhoudingsgrond van toepassing+complete	1.122
aanleiding tot opschorten+complete	28
aanmaken besluit aanhouding 33 WABO+cor	39
aanmaken besluit aanhouding 35 WABO+cor	1
aanmaken besluit beeindigen op verzoek+co	8
aanmaken besluit buiten behandeling+compl	51

Name: classifier:event:Resource

Value (Integer)	Frequency
6	2
560454	14.620
560673	10.457
560696	5.240
560713	11
560741	7.429
560749	8.763
560922	130
2013365	8.819
3069866	22
3122446	417
3148844	13
3442724	2.043
5025869	1.715

Name: event:action_code

Value (Text)	Frequency
01_BB_540	39
01_BB_545	1
01_BB_546	1
01_BB_630	19
01_BB_640	1
01_BB_650_1	1
01_BB_650_2	1
01_BB_730	9
01_BB_755	3
01_BB_760	1

Name: event:activityNameEN

Value (Text)	Frequency
activities regular procedure	395
appeal logded	19
applicant is stakeholder	1.131
application submitted through OLO	4
article 33 applies	40
article 34 WABO applies	1.238
article 35 applies	42
ask stakeholders views	1.059
assessment of content completed	1.049
by law	1.059

Name: event:activityNameNL

Value (Text)	Frequency
aangepast plan na beoordeling	104
aangepast plan na zienswijze	15
aangepast plan ontvangen	71
aanhoudingsgrond artikel 34 WABO bepalen	5
aanhoudingsgrond van toepassing	1.122
aanleiding tot opschorten	28
aanmaken besluit aanhouding 33 WABO	39
aanmaken besluit aanhouding 35 WABO	1
aanmaken besluit beeindigen op verzoek	8
aanmaken besluit buiten behandeling	51

Name: event:concept:name

Value (Text)	Frequency
01_BB_540	39
01_BB_545	1
01_BB_546	1
01_BB_630	19
01_BB_640	1
01_BB_650_1	1
01_BB_650_2	1
01_BB_730	9
01_BB_755	3
01_BB_760	1

Name: event:dateFinished

Value (Date + time)	Frequency
2010-10-11 10:51:23	7
2010-10-11 11:02:12	1
2010-10-11 11:42:40	1
2010-10-13 14:08:46	6
2010-10-19 15:50:09	3
2010-10-19 15:50:33	1
2010-10-19 15:50:34	1
2010-10-19 16:03:56	2
2010-10-19 16:03:57	3
2010-10-19 16:12:55	1

Name: event:dateStop

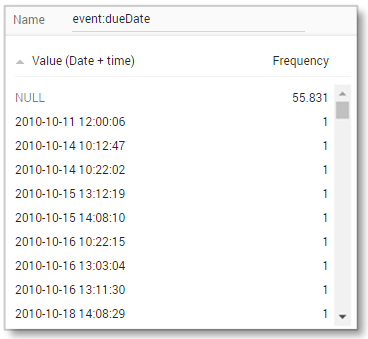
Value (Text)	Frequency
NULL	59.680
2012-05-10 21:07:13	1

Name: event:lifecycle:transition

Value (Text)	Frequency
complete	59.681

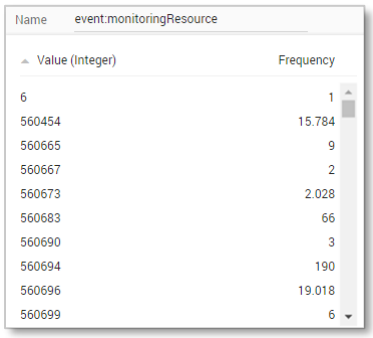
Name: trace:caseProcedure

Value (Text)	Frequency
NULL	51.567
Regulier	1.309
Uitgebreid	6.805



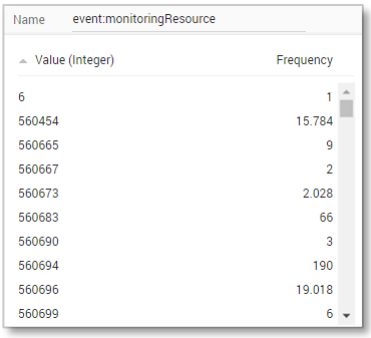
Name event:dueDate

Value (Date + time)	Frequency
NULL	55.831
2010-10-11 12:00:06	1
2010-10-14 10:12:47	1
2010-10-14 10:22:02	1
2010-10-15 13:12:19	1
2010-10-15 14:08:10	1
2010-10-16 10:22:15	1
2010-10-16 13:03:04	1
2010-10-16 13:11:30	1
2010-10-18 14:08:29	1



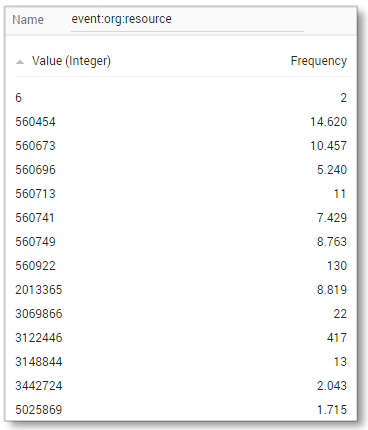
Name event:monitoringResource

Value (Integer)	Frequency
6	1
560454	15.784
560665	9
560667	2
560673	2.028
560683	66
560690	3
560694	190
560696	19.018
560699	6



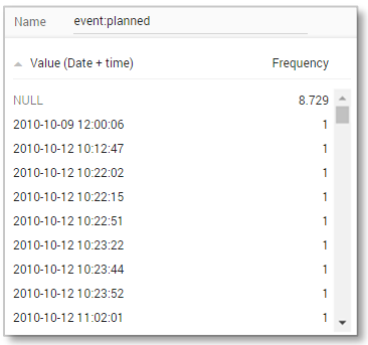
Name event:monitoringResource

Value (Integer)	Frequency
6	1
560454	15.784
560665	9
560667	2
560673	2.028
560683	66
560690	3
560694	190
560696	19.018
560699	6



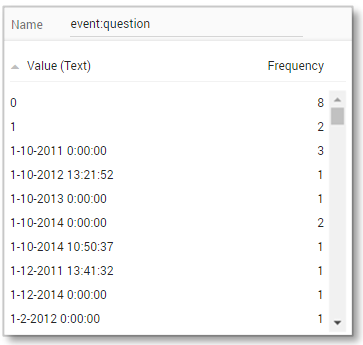
Name event:org:resource

Value (Integer)	Frequency
6	2
560454	14.620
560673	10.457
560696	5.240
560713	11
560741	7.429
560749	8.763
560922	130
2013365	8.819
3069866	22
3122446	417
3148844	13
3442724	2.043
5025869	1.715



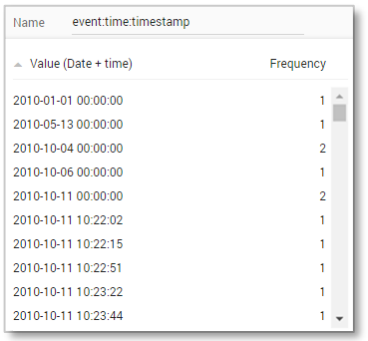
Name event:planned

Value (Date + time)	Frequency
NULL	8.729
2010-10-09 12:00:06	1
2010-10-12 10:12:47	1
2010-10-12 10:22:02	1
2010-10-12 10:22:15	1
2010-10-12 10:22:51	1
2010-10-12 10:23:22	1
2010-10-12 10:23:44	1
2010-10-12 10:23:52	1
2010-10-12 11:02:01	1



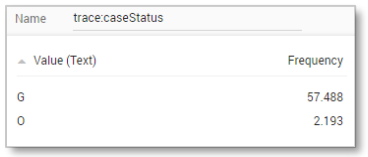
Name event:question

Value (Text)	Frequency
0	8
1	2
1-10-2011 0:00:00	3
1-10-2012 13:21:52	1
1-10-2013 0:00:00	1
1-10-2014 0:00:00	2
1-10-2014 10:50:37	1
1-12-2011 13:41:32	1
1-12-2014 0:00:00	1
1-2-2012 0:00:00	1



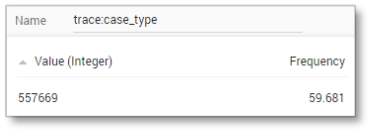
Name event:time:timestamp

Value (Date + time)	Frequency
2010-01-01 00:00:00	1
2010-05-13 00:00:00	1
2010-10-04 00:00:00	2
2010-10-06 00:00:00	1
2010-10-11 00:00:00	2
2010-10-11 10:22:02	1
2010-10-11 10:22:15	1
2010-10-11 10:22:51	1
2010-10-11 10:23:22	1
2010-10-11 10:23:44	1



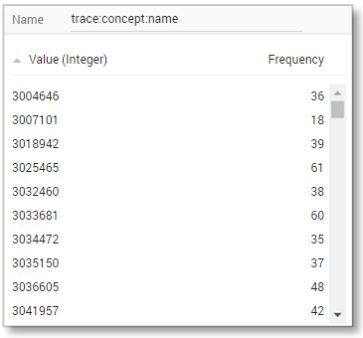
Name trace:caseStatus

Value (Text)	Frequency
G	57.488
O	2.193



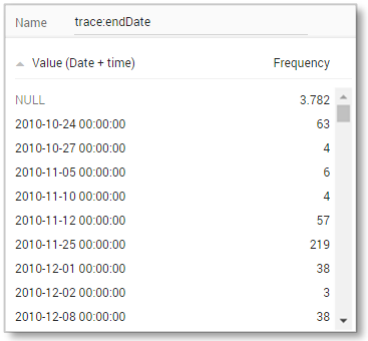
Name trace:case_type

Value (Integer)	Frequency
557669	59.681



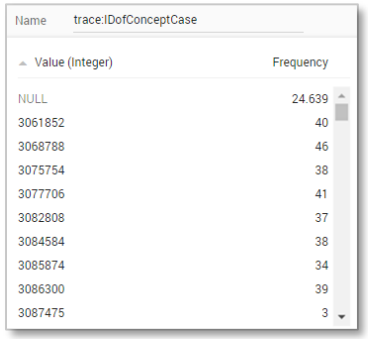
Name trace:concept:name

Value (Integer)	Frequency
3004646	36
3007101	18
3018942	39
3025465	61
3032460	38
3033681	60
3034472	35
3035150	37
3036605	48
3041957	42



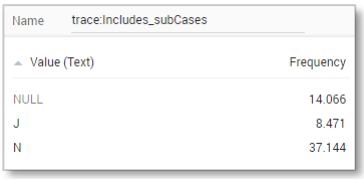
Name trace:endDate

Value (Date + time)	Frequency
NULL	3.782
2010-10-24 00:00:00	63
2010-10-27 00:00:00	4
2010-11-05 00:00:00	6
2010-11-10 00:00:00	4
2010-11-12 00:00:00	57
2010-11-25 00:00:00	219
2010-12-01 00:00:00	38
2010-12-02 00:00:00	3
2010-12-08 00:00:00	38



Name trace:IDofConceptCase

Value (Integer)	Frequency
NULL	24.639
3061852	40
3068788	46
3075754	38
3077706	41
3082808	37
3084584	38
3085874	34
3086300	39
3087475	3



Name trace:Includes_subCases

Value (Text)	Frequency
NULL	14.066
J	8.471
N	37.144

Name trace:endDatePlanned

Value (Date + time)	Frequency
NULL	58.403
2010-12-06 00:00:00	41
2011-08-19 00:00:00	44
2011-08-31 00:00:00	50
2011-09-28 00:00:00	16
2011-09-29 00:00:00	46
2011-10-03 00:00:00	17
2011-10-17 00:00:00	72
2011-10-21 00:00:00	74
2011-10-27 00:00:00	66
2011-10-29 00:00:00	39
2012-06-21 00:00:00	54
2012-09-18 00:00:00	104
2012-10-23 00:00:00	267
2012-11-20 00:00:00	145
2012-11-26 00:00:00	62
2012-12-28 00:00:00	62
2013-03-23 00:00:00	63
2014-05-14 00:00:00	56

Name trace:landRegisterID

Value (Integer)	Frequency
NULL	47.826
3876955	87
3895233	44
3938337	5
3942821	46
3960386	17
3996388	38
4032872	168
4055349	69
4056065	39

Name trace:Responsible_actor

Value (Integer)	Frequency
560454	18.701
560665	9
560683	59
560690	23
560694	160
560696	14.069
560699	7
560713	38
560719	61
560922	54
1946514	180
2013365	12.905
2894257	9
3069865	899
3069866	2.933
3122446	284
3148844	105
3442724	6.882
5025869	995
7096495	1.308

Name trace:requestComplete

Value (Boolean)	Frequency
False	13.998
True	45.683

Name trace:parts

Value (Text)	Frequency
NULL	1.107
Aanleg (Uitvoeren werk of werkzaamheid)	380
Aanleg (Uitvoeren werk of werkzaamheid),Bo	80
Aanleg (Uitvoeren werk of werkzaamheid),Ha	42
Bouw	23.049
Bouw,Aanleg (Uitvoeren werk of werkzaamhe	8
Bouw,Aanleg (Uitvoeren werk of werkzaamhe	71
Bouw,Aanleg (Uitvoeren werk of werkzaamhe	36
Bouw,Brandveilig gebruik (melding),Sloop	46
Bouw,Brandveilig gebruik (vergunning)	92

Name trace:last_phase

Value (Text)	Frequency
Aangepast plan gevraagd	87
Aanvraag ontvangen	1.230
Aanvraag ontvankelijk	39
Aanvullende gegevens gevraagd	502
Aanvullende gegevens ontvangen	117
Activiteit meldingplichtig	146
Activiteit vergunningvrij	50
Advies bekend	4.354
Beschikking verzonden	29.177
Beslissing aangehouden	37

Name trace:startDate

Value (Date + time)	Frequency
2010-10-04 00:00:00	54
2010-10-11 00:00:00	39
2010-10-14 00:00:00	194
2010-10-15 00:00:00	37
2010-10-18 00:00:00	48
2010-10-19 00:00:00	63
2010-10-20 00:00:00	118
2010-10-21 00:00:00	87
2010-10-24 00:00:00	40
2010-10-25 12:00:09	4

Name trace:SUMleges

Value (Double)	Frequency
NULL	20.506
-6.744	81
11.25405	158
11.4648	1.078
11.802	2.021
12.01275	1.867
22.761	49
22.97175	220
23.4354	36
33.72	28

Name trace:termName

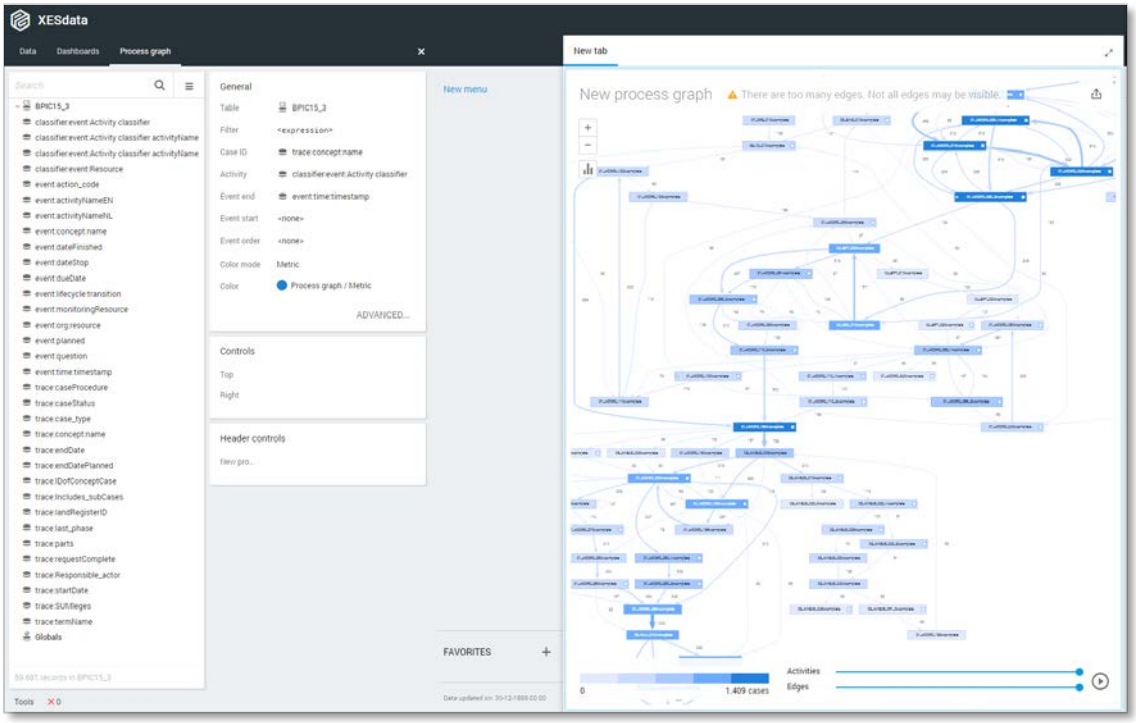
Value (Text)	Frequency
NULL	8.518
Opschorttermijn	435
Termijn aangepast plan 1	100
Termijn aangepast plan 2	57
Termijn aanvullende gegevens	422
Termijn bezwaar en beroep 1	43.054
Termijn ontwerpbeschikking ter inzage 1	191
Termijn ter inzage buiten behandeling	197
Termijn tot besluit	5.047
Termijn tot besluit na geen zienswijzen	658
Termijn tot besluit omgezet	180
Termijn tot besluit omgezet 2	214
Termijn tot besluit verlengd	389
Termijn tot bezwaar buiten behandeling	219

Create the dashboard

Follow the same steps as in Level A1, except at the following points:

- Create the Process Graph using *New process graph > BPIC15_3*
- You do not have to create a DummyTimestamp
- Set the following Process Graph attributes in the right column:
    - Case ID: trace:concept:name
    - Activity: classifier:event:Activity classifier
    - Event end: event:time:timestamp

Now the process graph is visible.



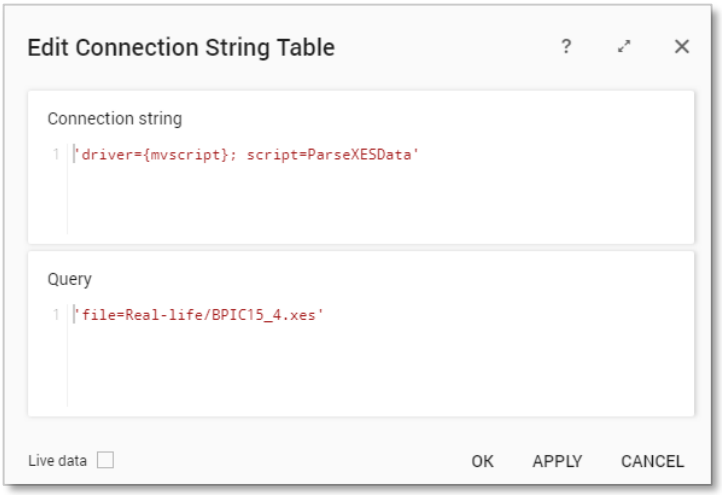
Note that not all edges could be drawn due to the size of the graph.

BPIC15_4

Load the data

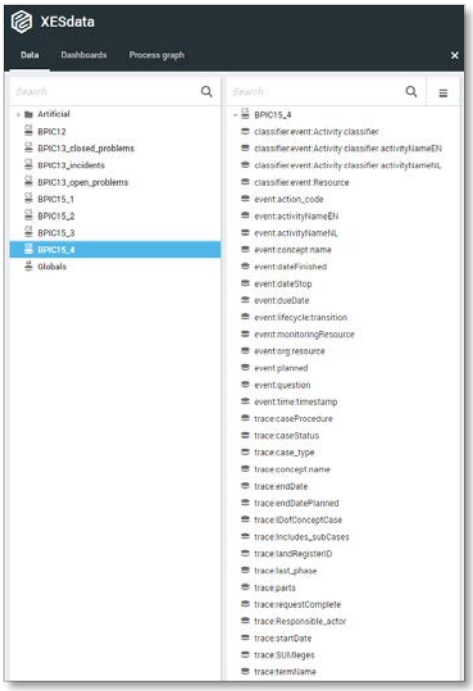
Follow the same steps as in Level A1, except at the following points:

- Use the Real-life/BPIC15_4.xes file in the query field of the Connection String:



- Rename the newly created table to BPIC15_4.

The data will now be correctly loaded.



Attributes

Name: classifier:event:Activity classifier

Value (Text)	Frequency
01_BB_540+complete	635
01_BB_545+complete	3
01_BB_546+complete	3
01_BB_550+complete	4
01_BB_560+complete	4
01_BB_590+complete	4
01_BB_630+complete	78
01_BB_635+complete	2
01_BB_636+complete	2
01_BB_700+complete	1

Name: classifier:event:Activity classifier activityNameEN

Value (Text)	Frequency
activities regular procedure+complete	287
appeal and preliminary injunction in system+	2
appeal logded+complete	78
appealed to higher court+complete	1
applicant is stakeholder+complete	867
application submitted through OLO+complet	35
article 33 applies+complete	3
article 34 WABO applies+complete	877
article 35 applies+complete	19
ask stakeholders views+complete	791

Name: classifier:event:Activity classifier activityNameNL

Value (Text)	Frequency
aangepast plan na beoordeling+complete	3
aangepast plan na zienswijze+complete	7
aangepast plan ontvangen+complete	1
aanhoudingsgrond artikel 34 WABO bepalen+	3
aanhoudingsgrond van toepassing+complete	881
aanleiding tot opschorten+complete	5
aanmaken besluit aanhouding 33 WABO+cor	19
aanmaken besluit beeindigen op verzoek+co	11
aanmaken besluit buiten behandeling+compl	29
aanmaken besluit omgevingsvergunning+cor	869

Name: classifier:event:Resource

Value (Integer)	Frequency
6	3
560431	34
560752	11.948
560781	15.748
560796	15
560812	721
560821	3.344
560849	764
560852	8.264
1550894	6.452

Name: event:action_code

Value (Text)	Frequency
NULL	130
01_BB_540	635
01_BB_545	3
01_BB_546	3
01_BB_550	4
01_BB_560	4
01_BB_590	4
01_BB_630	78
01_BB_635	2
01_BB_636	2

Name: event:activityNameEN

Value (Text)	Frequency
activities regular procedure	287
appeal and preliminary injunction in system	2
appeal logded	78
appealed to higher court	1
applicant is stakeholder	867
application submitted through OLO	35
article 33 applies	3
article 34 WABO applies	877
article 35 applies	19
ask stakeholders views	791

Name: event:activityNameNL

Value (Text)	Frequency
aangepast plan na beoordeling	3
aangepast plan na zienswijze	7
aangepast plan ontvangen	1
aanhoudingsgrond artikel 34 WABO bepalen	3
aanhoudingsgrond van toepassing	881
aanleiding tot opschorten	5
aanmaken besluit aanhouding 33 WABO	19
aanmaken besluit beeindigen op verzoek	11
aanmaken besluit buiten behandeling	29
aanmaken besluit omgevingsvergunning	869

Name: event:concept:name

Value (Text)	Frequency
01_BB_540	635
01_BB_545	3
01_BB_546	3
01_BB_550	4
01_BB_560	4
01_BB_590	4
01_BB_630	78
01_BB_635	2
01_BB_636	2
01_BB_700	1

Name: event:dateFinished

Value (Date + time)	Frequency
2010-10-07 10:39:23	3
2010-10-07 10:43:44	1
2010-10-07 10:43:45	1
2010-10-07 11:24:34	2
2010-10-07 11:53:14	1
2010-10-07 14:58:59	8
2010-10-08 08:35:38	1
2010-10-08 08:35:39	4
2010-10-08 11:59:50	2
2010-10-08 11:59:51	1

Name: event:dateStop

Value (Text)	Frequency
NULL	47.292
2012-05-11 16:57:27	1

Name: event:dueDate

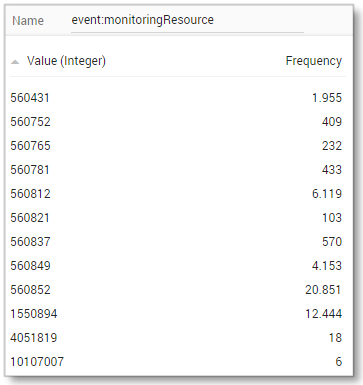
Value (Date + time)	Frequency
NULL	45.809
2010-10-10 10:38:48	1
2010-10-21 14:53:43	1
2010-10-22 11:58:51	1
2010-10-22 12:42:41	1
2010-10-23 11:31:52	1
2010-10-31 08:48:44	1
2010-10-31 10:22:53	1
2010-11-01 11:00:29	1
2010-11-01 11:19:06	1

Name: event:org:resource

Value (Integer)	Frequency
6	3
560431	34
560752	11.948
560781	15.748
560796	15
560812	721
560821	3.344
560849	764
560852	8.264
1550894	6.452

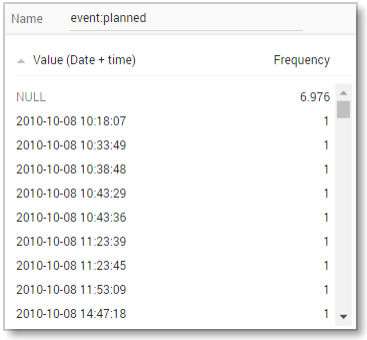
Name: event:lifecycle:transition

Value (Text)	Frequency
complete	47.293



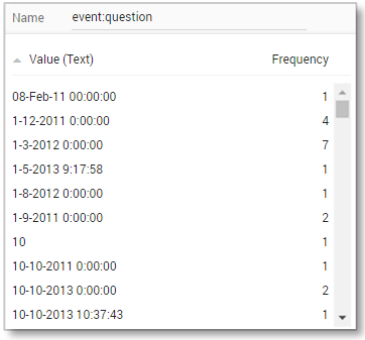
Name event:monitoringResource

Value (Integer)	Frequency
560431	1.955
560752	409
560765	232
560781	433
560812	6.119
560821	103
560837	570
560849	4.153
560852	20.851
1550894	12.444
4051819	18
10107007	6



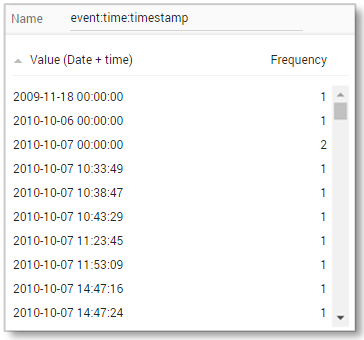
Name event:planned

Value (Date + time)	Frequency
NULL	6.976
2010-10-08 10:18:07	1
2010-10-08 10:33:49	1
2010-10-08 10:38:48	1
2010-10-08 10:43:29	1
2010-10-08 10:43:36	1
2010-10-08 11:23:39	1
2010-10-08 11:23:45	1
2010-10-08 11:53:09	1
2010-10-08 14:47:18	1



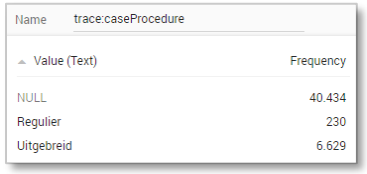
Name event:question

Value (Text)	Frequency
08-Feb-11 00:00:00	1
1-12-2011 0:00:00	4
1-3-2012 0:00:00	7
1-5-2013 9:17:58	1
1-8-2012 0:00:00	1
1-9-2011 0:00:00	2
10	1
10-10-2011 0:00:00	1
10-10-2013 0:00:00	2
10-10-2013 10:37:43	1



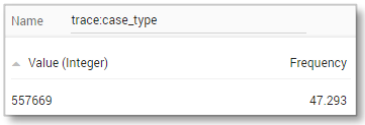
Name event:time:timestamp

Value (Date + time)	Frequency
2009-11-18 00:00:00	1
2010-10-06 00:00:00	1
2010-10-07 00:00:00	2
2010-10-07 10:33:49	1
2010-10-07 10:38:47	1
2010-10-07 10:43:29	1
2010-10-07 11:23:45	1
2010-10-07 11:53:09	1
2010-10-07 14:47:16	1
2010-10-07 14:47:24	1



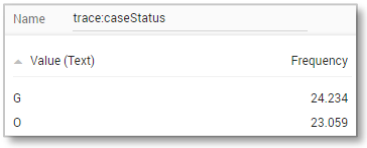
Name trace:caseProcedure

Value (Text)	Frequency
NULL	40.434
Regulier	230
Uitgebreid	6.629



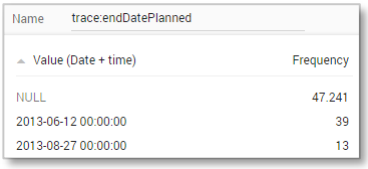
Name trace:case_type

Value (Integer)	Frequency
557669	47.293



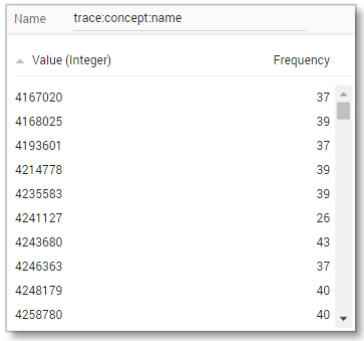
Name trace:caseStatus

Value (Text)	Frequency
G	24.234
O	23.059



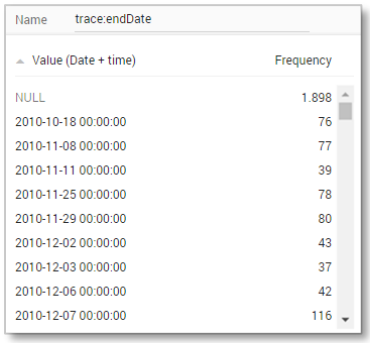
Name trace:endDatePlanned

Value (Date + time)	Frequency
NULL	47.241
2013-06-12 00:00:00	39
2013-08-27 00:00:00	13



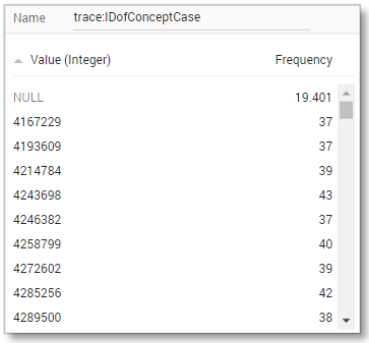
Name trace:concept:name

Value (Integer)	Frequency
4167020	37
4168025	39
4193601	37
4214778	39
4235583	39
4241127	26
4243680	43
4246363	37
4248179	40
4258780	40



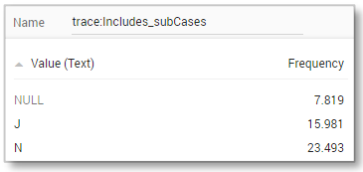
Name trace:endDate

Value (Date + time)	Frequency
NULL	1.898
2010-10-18 00:00:00	76
2010-11-08 00:00:00	77
2010-11-11 00:00:00	39
2010-11-25 00:00:00	78
2010-11-29 00:00:00	80
2010-12-02 00:00:00	43
2010-12-03 00:00:00	37
2010-12-06 00:00:00	42
2010-12-07 00:00:00	116



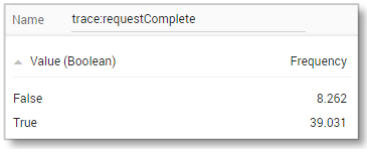
Name trace:IDofConceptCase

Value (Integer)	Frequency
NULL	19.401
4167229	37
4193609	37
4214784	39
4243698	43
4246382	37
4258799	40
4272602	39
4285256	42
4289500	38



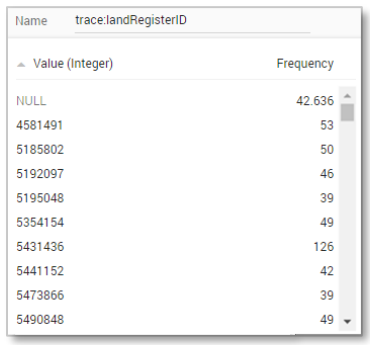
Name trace:Includes_subCases

Value (Text)	Frequency
NULL	7.819
J	15.981
N	23.493



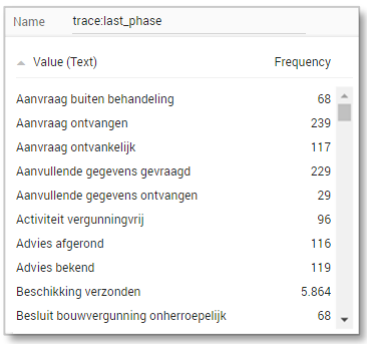
Name trace:requestComplete

Value (Boolean)	Frequency
False	8.262
True	39.031



Name trace:landRegisterID

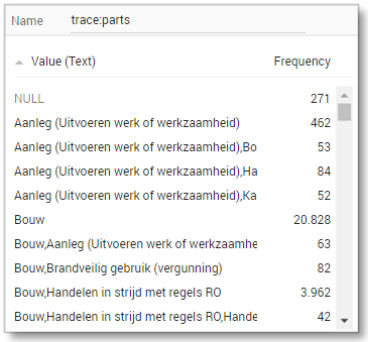
Value (Integer)	Frequency
NULL	42.636
4581491	53
5185802	50
5192097	46
5195048	39
5354154	49
5431436	126
5441152	42
5473866	39
5490848	49



Name trace:last_phase

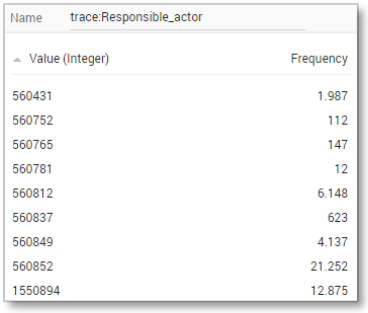
Value (Text)	Frequency
Aanvraag buiten behandeling	68
Aanvraag ontvangen	239
Aanvraag ontvankelijk	117
Aanvullende gegevens gevraagd	229
Aanvullende gegevens ontvangen	29
Activiteit vergunningvrij	96
Advies afgerond	116
Advies bekend	119
Beschikking verzonden	5.864
Besluit bouwvergunning onherroepelijk	68

IMPORT



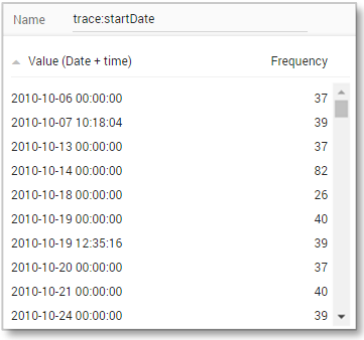
Name trace:parts

Value (Text)	Frequency
NULL	271
Aanleg (Uitvoeren werk of werkzaamheid)	462
Aanleg (Uitvoeren werk of werkzaamheid),Bo	53
Aanleg (Uitvoeren werk of werkzaamheid),Ha	84
Aanleg (Uitvoeren werk of werkzaamheid),Ka	52
Bouw	20.828
Bouw,Aanleg (Uitvoeren werk of werkzaamhe	63
Bouw,Brandveilig gebruik (vergunning)	82
Bouw,Handelen in strijd met regels RO	3.962
Bouw,Handelen in strijd met regels RO,Hande	42



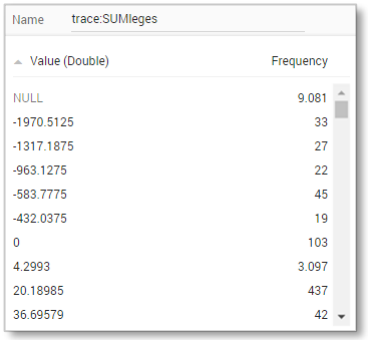
Name trace:Responsible_actor

Value (Integer)	Frequency
560431	1.987
560752	112
560765	147
560781	12
560812	6.148
560837	623
560849	4.137
560852	21.252
1550894	12.875



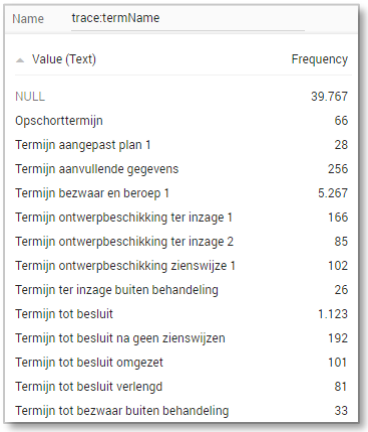
Name trace:startDate

Value (Date + time)	Frequency
2010-10-06 00:00:00	37
2010-10-07 10:18:04	39
2010-10-13 00:00:00	37
2010-10-14 00:00:00	82
2010-10-18 00:00:00	26
2010-10-19 00:00:00	40
2010-10-19 12:35:16	39
2010-10-20 00:00:00	37
2010-10-21 00:00:00	40
2010-10-24 00:00:00	39



Name trace:SUMleges

Value (Double)	Frequency
NULL	9.081
-1970.5125	33
-1317.1875	27
-963.1275	22
-583.7775	45
-432.0375	19
0	103
4.2993	3.097
20.18985	437
36.69579	42



Name trace:termName

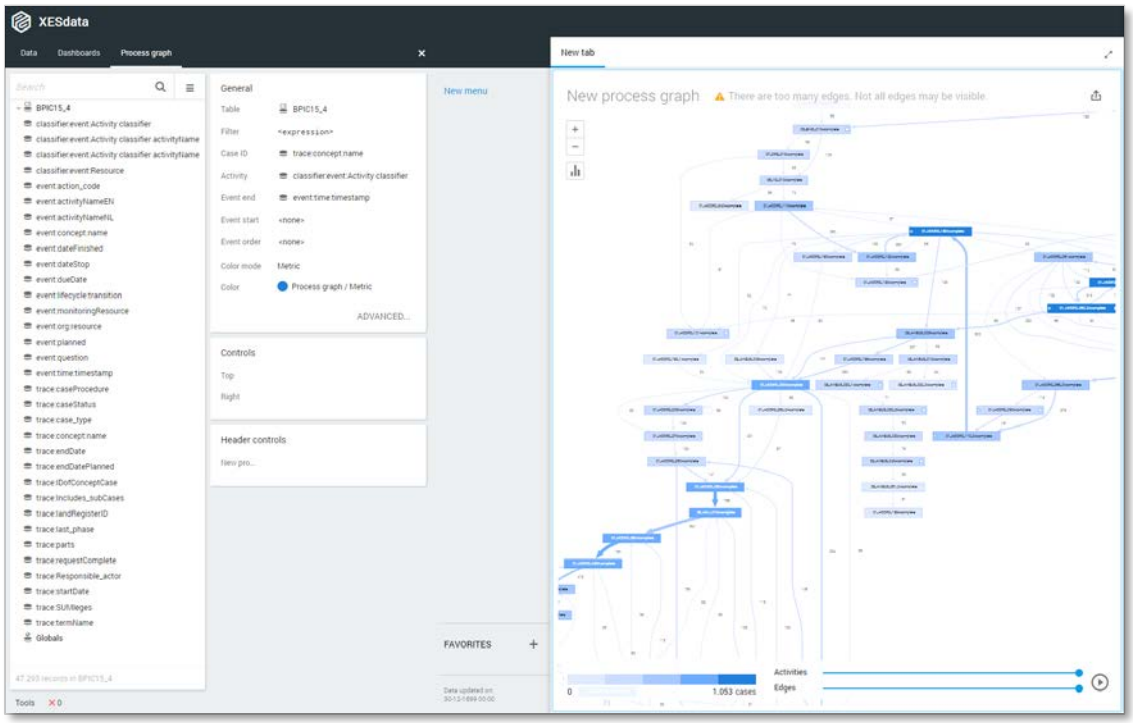
Value (Text)	Frequency
NULL	39.767
Opschorttermijn	66
Termijn aangepast plan 1	28
Termijn aanvullende gegevens	256
Termijn bezwaar en beroep 1	5.267
Termijn ontwerpbeschikking ter inzage 1	166
Termijn ontwerpbeschikking ter inzage 2	85
Termijn ontwerpbeschikking zienswijze 1	102
Termijn ter inzage buiten behandeling	26
Termijn tot besluit	1.123
Termijn tot besluit na geen zienswijzen	192
Termijn tot besluit omgezet	101
Termijn tot besluit verlengd	81
Termijn tot bezwaar buiten behandeling	33

Create the dashboard

Follow the same steps as in Level A1, except at the following points:

- Create the Process Graph using *New process graph > BPIC15_4*
- You do not have to create a DummyTimestamp
- Set the following Process Graph attributes in the right column:
    - Case ID: trace:concept:name
    - Activity: classifier:event:Activity classifier
    - Event end: event:time:timestamp

Now the process graph is visible.



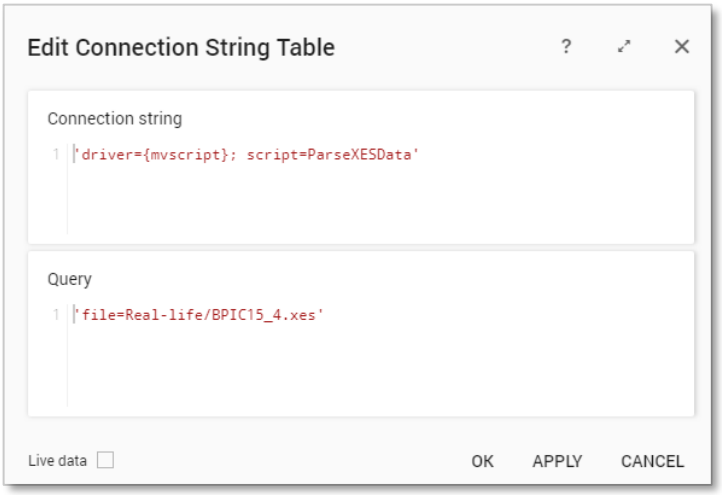
Note that not all edges could be drawn due to the size of the graph.

BPIC15_5

Load the data

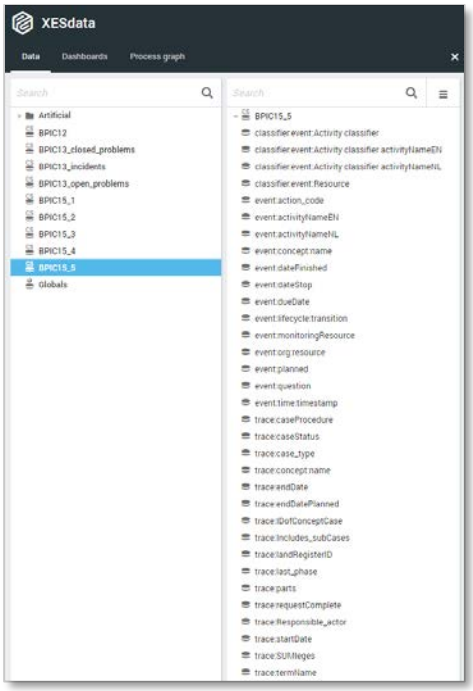
Follow the same steps as in Level A1, except at the following points:

- Use the Real-life/BPIC15_5.xes file in the query field of the Connection String:



- Rename the newly created table to BPIC15_5.

The data will now be correctly loaded.



Attributes

Name: classifier:event:Activity classifier

Value (Text)	Frequency
01_BB_540+complete	707
01_BB_545+complete	5
01_BB_546+complete	4
01_BB_550+complete	11
01_BB_550_2+complete	1
01_BB_560+complete	9
01_BB_590+complete	11
01_BB_600+complete	3
01_BB_610+complete	3
01_BB_630+complete	78

Name: classifier:event:Activity classifier activityNameEN

Value (Text)	Frequency
activities regular procedure+complete	357
appeal logded+complete	78
appeal subcase completed+complete	3
appealed to higher court+complete	3
applicant is stakeholder+complete	937
application submitted through OLO+complet	5
article 33 applies+complete	7
article 34 WABO applies+complete	987
article 35 applies+complete	8
ask stakeholders views+complete	896

Name: classifier:event:Activity classifier activityNameNL

Value (Text)	Frequency
aangepast plan na beoordeling+complete	19
aangepast plan na zienswijze+complete	11
aangepast plan ontvangen+complete	15
aanhoudingsgrond artikel 34 WABO bepalen+	1
aanhoudingsgrond van toepassing+complete	966
aanleiding tot opschorten+complete	3
aanmaken besluit aanhouding 33 WABO+cor	9
aanmaken besluit aanhouding 34 WABO+cor	2
aanmaken besluit aanhouding 35 WABO+cor	3
aanmaken besluit beeindigen op verzoek+co	13

Name: classifier:event:Resource

Value (Integer)	Frequency
560427	2
560429	7.590
560504	2
560530	683
560532	1.317
560594	374
560596	1.249
560598	1.737
560600	9.008
560602	10.505

Name: event:action_code

Value (Text)	Frequency
NULL	57
01_BB_540	707
01_BB_545	5
01_BB_546	4
01_BB_550	11
01_BB_550_2	1
01_BB_560	9
01_BB_590	11
01_BB_600	3
01_BB_610	3

Name: event:activityNameEN

Value (Text)	Frequency
activities regular procedure	357
appeal logded	78
appeal subcase completed	3
appealed to higher court	3
applicant is stakeholder	937
application submitted through OLO	5
article 33 applies	7
article 34 WABO applies	987
article 35 applies	8
ask stakeholders views	896

Name: event:activityNameNL

Value (Text)	Frequency
aangepast plan na beoordeling	19
aangepast plan na zienswijze	11
aangepast plan ontvangen	15
aanhoudingsgrond artikel 34 WABO bepalen	1
aanhoudingsgrond van toepassing	966
aanleiding tot opschorten	3
aanmaken besluit aanhouding 33 WABO	9
aanmaken besluit aanhouding 34 WABO	2
aanmaken besluit aanhouding 35 WABO	3
aanmaken besluit beeindigen op verzoek	13

Name: event:concept:name

Value (Text)	Frequency
01_BB_540	707
01_BB_545	5
01_BB_546	4
01_BB_550	11
01_BB_550_2	1
01_BB_560	9
01_BB_590	11
01_BB_600	3
01_BB_610	3
01_BB_630	78

Name: event:dateFinished

Value (Date + time)	Frequency
2010-10-11 11:41:57	5
2010-10-11 13:38:17	3
2010-10-13 10:13:49	3
2010-10-13 11:08:21	2
2010-10-13 11:08:22	3
2010-10-13 15:32:04	2
2010-10-13 15:32:05	21
2010-10-13 15:32:37	1
2010-10-13 15:32:38	2
2010-10-13 15:33:56	2

Name: event:dateStop

Value (Text)	Frequency
NULL	59.081
2012-02-21 19:15:35	2

Name: event:dueDate

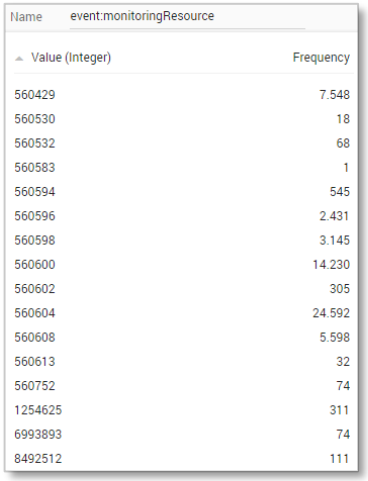
Value (Date + time)	Frequency
NULL	56.215
2010-10-13 11:32:06	1
2010-10-13 11:32:10	1
2010-10-14 11:18:16	1
2010-10-14 11:32:00	1
2010-10-14 13:34:06	1
2010-10-14 13:38:06	1
2010-10-15 11:00:19	1
2010-10-15 11:00:22	1
2010-10-16 08:52:26	1

Name: event:org:resource

Value (Integer)	Frequency
560427	2
560429	7.590
560504	2
560530	683
560532	1.317
560594	374
560596	1.249
560598	1.737
560600	9.008
560602	10.505

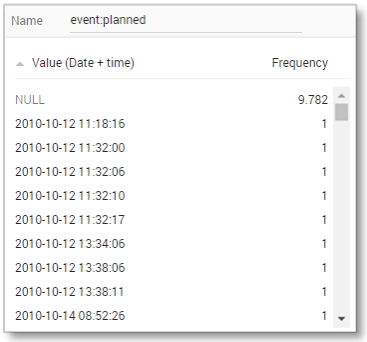
Name: event:lifecycle:transition

Value (Text)	Frequency
complete	59.083



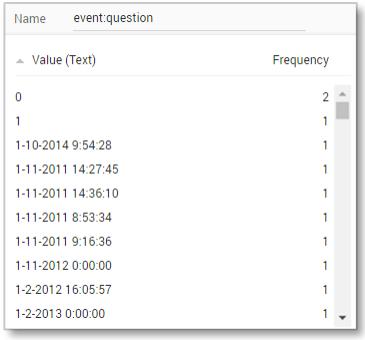
Name event:monitoringResource

Value (Integer)	Frequency
560429	7.548
560530	18
560532	68
560583	1
560594	545
560596	2.431
560598	3.145
560600	14.230
560602	305
560604	24.592
560608	5.598
560613	32
560752	74
1254625	311
6993893	74
8492512	111



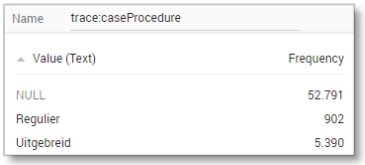
Name event:planned

Value (Date + time)	Frequency
NULL	9.782
2010-10-12 11:18:16	1
2010-10-12 11:32:00	1
2010-10-12 11:32:06	1
2010-10-12 11:32:10	1
2010-10-12 11:32:17	1
2010-10-12 13:34:06	1
2010-10-12 13:38:06	1
2010-10-12 13:38:11	1
2010-10-14 08:52:26	1



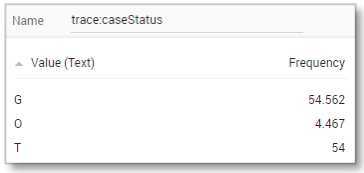
Name event:question

Value (Text)	Frequency
0	2
1	1
1-10-2014 9:54:28	1
1-11-2011 14:27:45	1
1-11-2011 14:36:10	1
1-11-2011 8:53:34	1
1-11-2011 9:16:36	1
1-11-2012 0:00:00	1
1-2-2012 16:05:57	1
1-2-2013 0:00:00	1



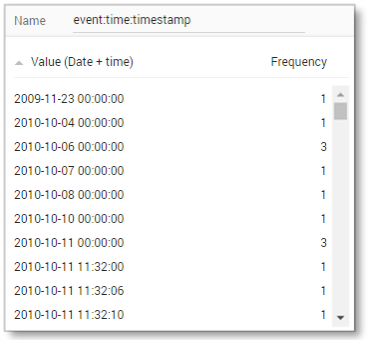
Name trace:caseProcedure

Value (Text)	Frequency
NULL	52.791
Regulier	902
Uitgebreid	5.390



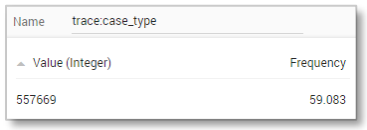
Name trace:caseStatus

Value (Text)	Frequency
G	54.562
O	4.467
T	54



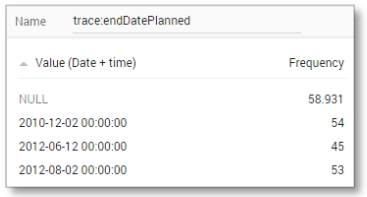
Name event:time:timestamp

Value (Date + time)	Frequency
2009-11-23 00:00:00	1
2010-10-04 00:00:00	1
2010-10-06 00:00:00	3
2010-10-07 00:00:00	1
2010-10-08 00:00:00	1
2010-10-10 00:00:00	1
2010-10-11 00:00:00	3
2010-10-11 11:32:00	1
2010-10-11 11:32:06	1
2010-10-11 11:32:10	1



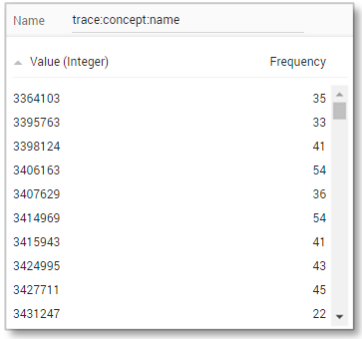
Name trace:case_type

Value (Integer)	Frequency
557669	59.083



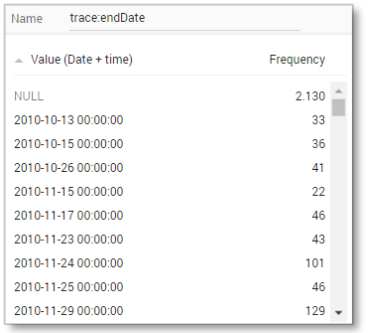
Name trace:endDatePlanned

Value (Date + time)	Frequency
NULL	58.931
2010-12-02 00:00:00	54
2012-06-12 00:00:00	45
2012-08-02 00:00:00	53



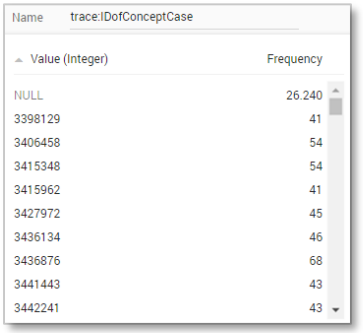
Name trace:concept:name

Value (Integer)	Frequency
3364103	35
3395763	33
3398124	41
3406163	54
3407629	36
3414969	54
3415943	41
3424995	43
3427711	45
3431247	22



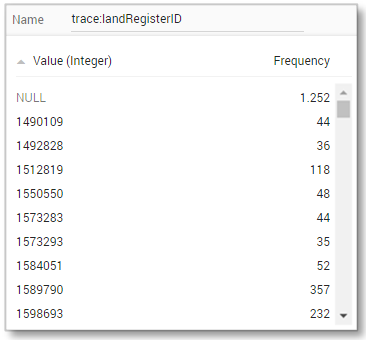
Name trace:endDate

Value (Date + time)	Frequency
NULL	2.130
2010-10-13 00:00:00	33
2010-10-15 00:00:00	36
2010-10-26 00:00:00	41
2010-11-15 00:00:00	22
2010-11-17 00:00:00	46
2010-11-23 00:00:00	43
2010-11-24 00:00:00	101
2010-11-25 00:00:00	46
2010-11-29 00:00:00	129



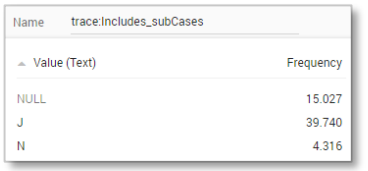
Name trace:IDofConceptCase

Value (Integer)	Frequency
NULL	26.240
3398129	41
3406458	54
3415348	54
3415962	41
3427972	45
3436134	46
3436876	68
3441443	43
3442241	43



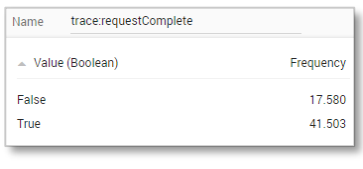
Name trace:landRegisterID

Value (Integer)	Frequency
NULL	1.252
1490109	44
1492828	36
1512819	118
1550550	48
1573283	44
1573293	35
1584051	52
1589790	357
1598693	232



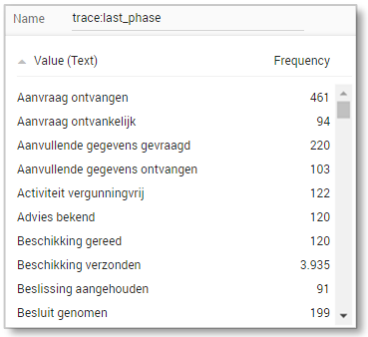
Name trace:Includes_subCases

Value (Text)	Frequency
NULL	15.027
J	39.740
N	4.316



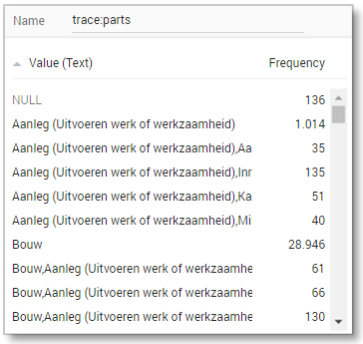
Name trace:requestComplete

Value (Boolean)	Frequency
False	17.580
True	41.503



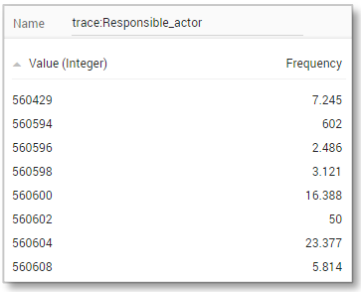
Name trace:last_phase

Value (Text)	Frequency
Aanvraag ontvangen	461
Aanvraag ontvankelijk	94
Aanvullende gegevens gevraagd	220
Aanvullende gegevens ontvangen	103
Activiteit vergunningvrij	122
Advies bekend	120
Beschikking gereed	120
Beschikking verzonden	3.935
Beslissing aangehouden	91
Besluit genomen	199



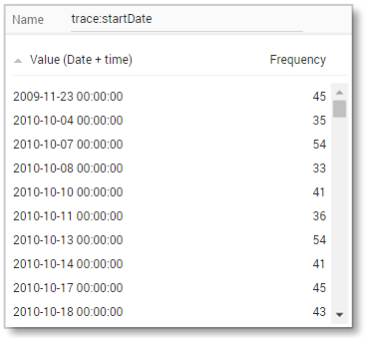
Name trace:parts

Value (Text)	Frequency
NULL	136
Aanleg (Uitvoeren werk of werkzaamheid)	1.014
Aanleg (Uitvoeren werk of werkzaamheid),Aa	35
Aanleg (Uitvoeren werk of werkzaamheid),Inr	135
Aanleg (Uitvoeren werk of werkzaamheid),Ka	51
Aanleg (Uitvoeren werk of werkzaamheid),Mi	40
Bouw	28.946
Bouw,Aanleg (Uitvoeren werk of werkzaamhe	61
Bouw,Aanleg (Uitvoeren werk of werkzaamhe	66
Bouw,Aanleg (Uitvoeren werk of werkzaamhe	130



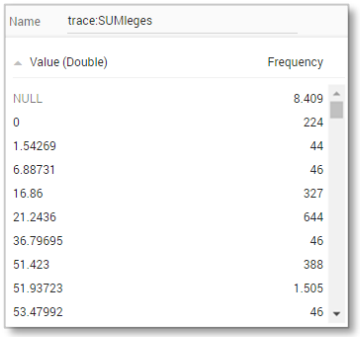
Name trace:Responsible_actor

Value (Integer)	Frequency
560429	7.245
560594	602
560596	2.486
560598	3.121
560600	16.388
560602	50
560604	23.377
560608	5.814



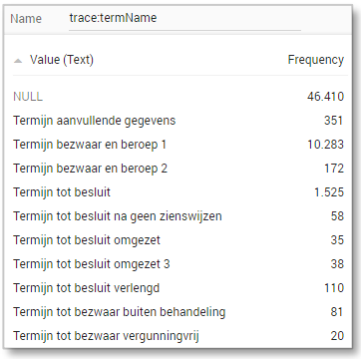
Name trace:startDate

Value (Date + time)	Frequency
2009-11-23 00:00:00	45
2010-10-04 00:00:00	35
2010-10-07 00:00:00	54
2010-10-08 00:00:00	33
2010-10-10 00:00:00	41
2010-10-11 00:00:00	36
2010-10-13 00:00:00	54
2010-10-14 00:00:00	41
2010-10-17 00:00:00	45
2010-10-18 00:00:00	43



Name trace:SUMleges

Value (Double)	Frequency
NULL	8.409
0	224
1.54269	44
6.88731	46
16.86	327
21.2436	644
36.79695	46
51.423	388
51.93723	1.505
53.47992	46



Name trace:termName

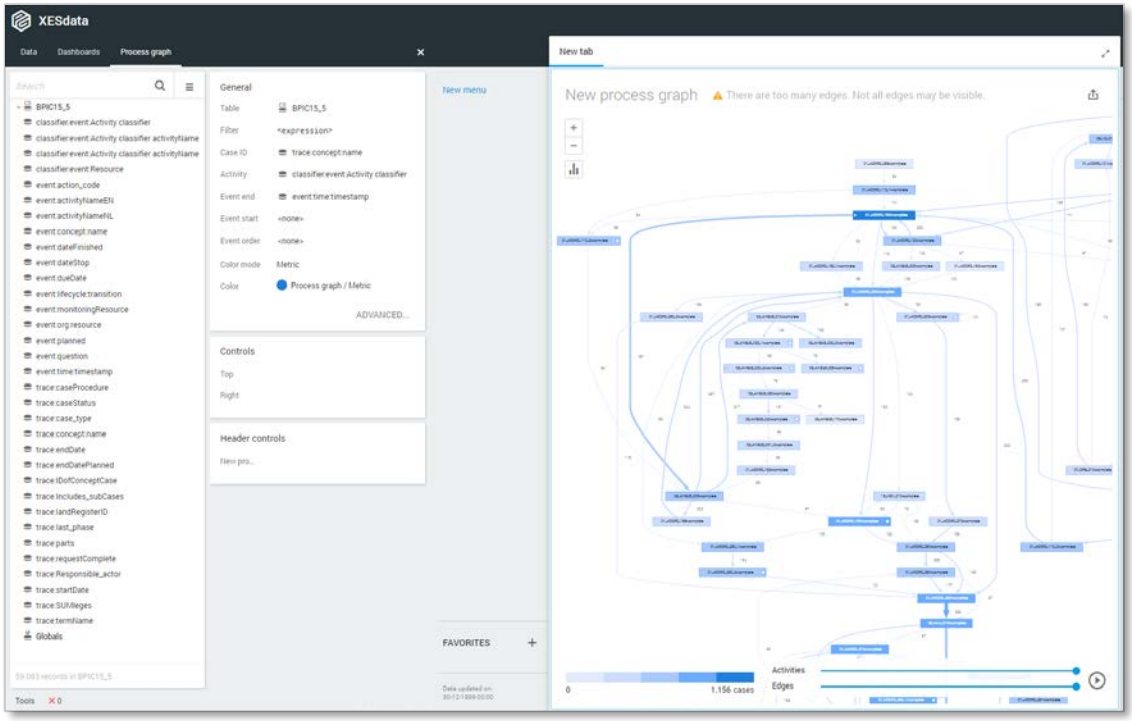
Value (Text)	Frequency
NULL	46.410
Termijn aanvullende gegevens	351
Termijn bezwaar en beroep 1	10.283
Termijn bezwaar en beroep 2	172
Termijn tot besluit	1.525
Termijn tot besluit na geen zienswijzen	58
Termijn tot besluit omgezet	35
Termijn tot besluit omgezet 3	38
Termijn tot besluit verlengd	110
Termijn tot bezwaar buiten behandeling	81
Termijn tot bezwaar vergunningvrij	20

Create the dashboard

Follow the same steps as in Level A1, except at the following points:

- Create the Process Graph using *New process graph > BPIC15_5*
- You do not have to create a DummyTimestamp
- Set the following Process Graph attributes in the right column:
    - Case ID: trace:concept:name
    - Activity: classifier:event:Activity classifier
    - Event end: event:time:timestamp

Now the process graph is visible.



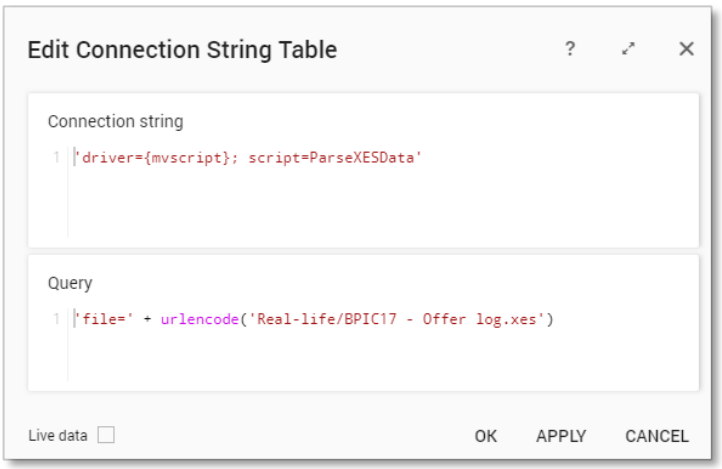
Note that not all edges could be drawn due to the size of the graph.

BPIC17 – Offer log

Load the data

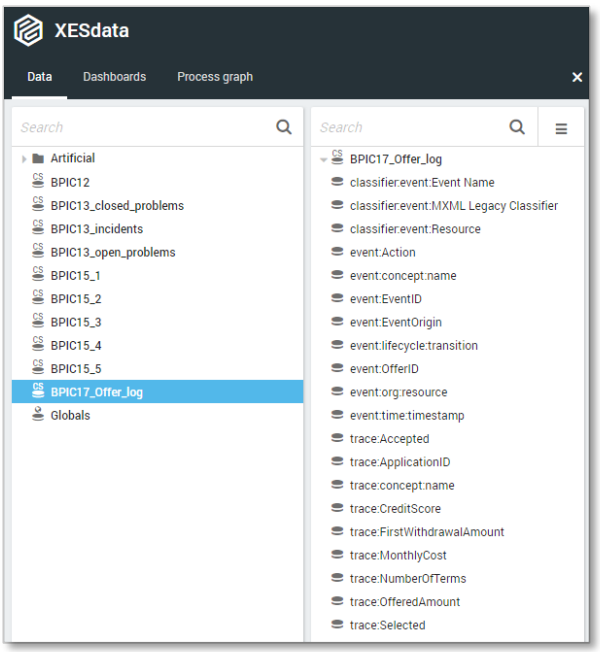
Follow the same steps as in Level A1, except at the following points:

- Since this file uses space characters in its name, we need to escape it. Use the following text int the query field:
  `'file=' + urlencode('Real-life/BPIC17 - Offer log.xes')`



- Rename the newly created table to BPIC17_Offer_log.

The data will now be correctly loaded.



Attributes

Name: classifier:event:Event Name

Value (Text)	Frequency
O_Accepted	17.228
O_Cancelled	20.898
O_Create Offer	42.995
O_Created	42.995
O_Refused	4.695
O_Returned	23.305
O_Sent (mail and online)	39.707
O_Sent (online only)	2.026

Name: classifier:event:MXML Legacy Classifier

Value (Text)	Frequency
O_Accepted+complete	17.228
O_Cancelled+complete	20.898
O_Create Offer+complete	42.995
O_Created+complete	42.995
O_Refused+complete	4.695
O_Returned+complete	23.305
O_Sent (mail and online)+complete	39.707
O_Sent (online only)+complete	2.026

Name: event:concept:name

Value (Text)	Frequency
O_Accepted	17.228
O_Cancelled	20.898
O_Create Offer	42.995
O_Created	42.995
O_Refused	4.695
O_Returned	23.305
O_Sent (mail and online)	39.707
O_Sent (online only)	2.026

Name: event:Action

Value (Text)	Frequency
Created	42.995
statechange	150.854

Name: event:lifecycle:transition

Value (Text)	Frequency
complete	193.849

Name: classifier:event:Resource

Value (Text)	Frequency
User_1	9.982
User_10	4.373
User_100	1.426
User_101	96
User_102	1.375
User_103	29
User_104	746
User_105	379
User_106	93
User_107	682

Name: event:EventOrigin

Value (Text)	Frequency
Offer	193.849

Name: trace:Accepted

Value (Boolean)	Frequency
False	57.899
True	135.950

Name: event:EventID

Value (Text)	Frequency
OfferState_10000075	1
OfferState_1000009799	1
OfferState_1000044453	1
OfferState_1000069410	1
OfferState_1000086197	1
OfferState_1000086665	1
OfferState_1000087997	1
OfferState_1000112712	1
OfferState_1000115470	1
OfferState_1000148867	1

Name: event:OfferID

Value (Text)	Frequency
NULL	42.995
Offer_1000096910	3
Offer_1000145087	4
Offer_1000159595	2
Offer_1000226917	4
Offer_100030769	3
Offer_1000329580	4
Offer_1000360919	3
Offer_1000373613	4
Offer_1000377420	3

Name: event:org:resource

Value (Text)	Frequency
User_1	9.982
User_10	4.373
User_100	1.426
User_101	96
User_102	1.375
User_103	29
User_104	746
User_105	379
User_106	93
User_107	682

Name: event:time:timestamp

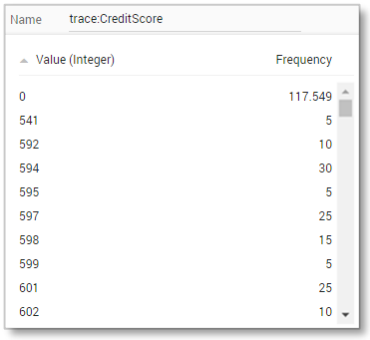
Value (Date + time)	Frequency
2016-01-02 09:17:05.720	1
2016-01-02 09:17:08.762	1
2016-01-02 09:19:21.330	1
2016-01-02 09:21:26.034	1
2016-01-02 09:21:42.022	1
2016-01-02 09:21:43.573	1
2016-01-02 09:22:09.421	1
2016-01-02 09:26:43.598	1
2016-01-02 09:26:44.925	1
2016-01-02 09:26:57.389	1

Name: trace:ApplicationID

Value (Text)	Frequency
Application_1000086665	4
Application_1000158214	5
Application_1000311556	4
Application_1000334415	5
Application_1000339879	5
Application_100034150	5
Application_1000386745	5
Application_1000474975	5
Application_1000557783	5
Application_1000604502	4

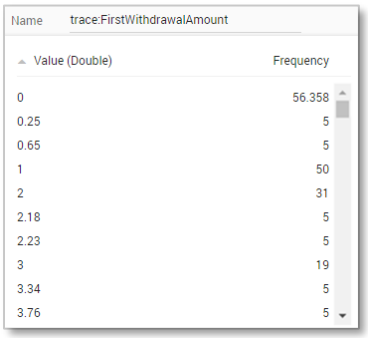
Name: trace:concept:name

Value (Text)	Frequency
Offer_1000096910	4
Offer_1000145087	5
Offer_1000159595	3
Offer_1000226917	5
Offer_100030769	4
Offer_1000329580	5
Offer_1000360919	4
Offer_1000373613	5
Offer_1000377420	4
Offer_1000572979	5



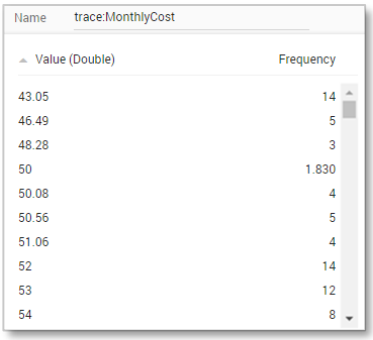
Name trace:CreditScore

Value (Integer)	Frequency
0	117.549
541	5
592	10
594	30
595	5
597	25
598	15
599	5
601	25
602	10



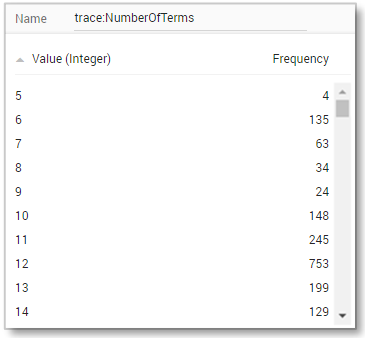
Name trace:FirstWithdrawalAmount

Value (Double)	Frequency
0	56.358
0.25	5
0.65	5
1	50
2	31
2.18	5
2.23	5
3	19
3.34	5
3.76	5



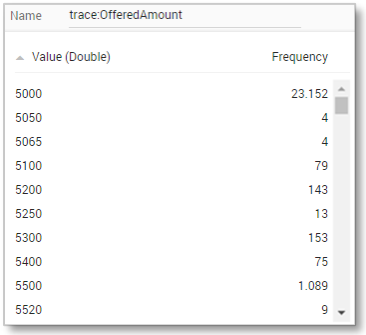
Name trace:MonthlyCost

Value (Double)	Frequency
43.05	14
46.49	5
48.28	3
50	1.830
50.08	4
50.56	5
51.06	4
52	14
53	12
54	8



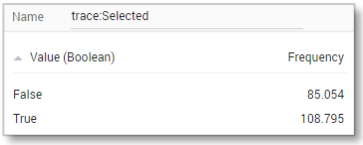
Name trace:NumberOfTerms

Value (Integer)	Frequency
5	4
6	135
7	63
8	34
9	24
10	148
11	245
12	753
13	199
14	129



Name trace:OfferedAmount

Value (Double)	Frequency
5000	23.152
5050	4
5065	4
5100	79
5200	143
5250	13
5300	153
5400	75
5500	1.089
5520	9



Name trace:Selected

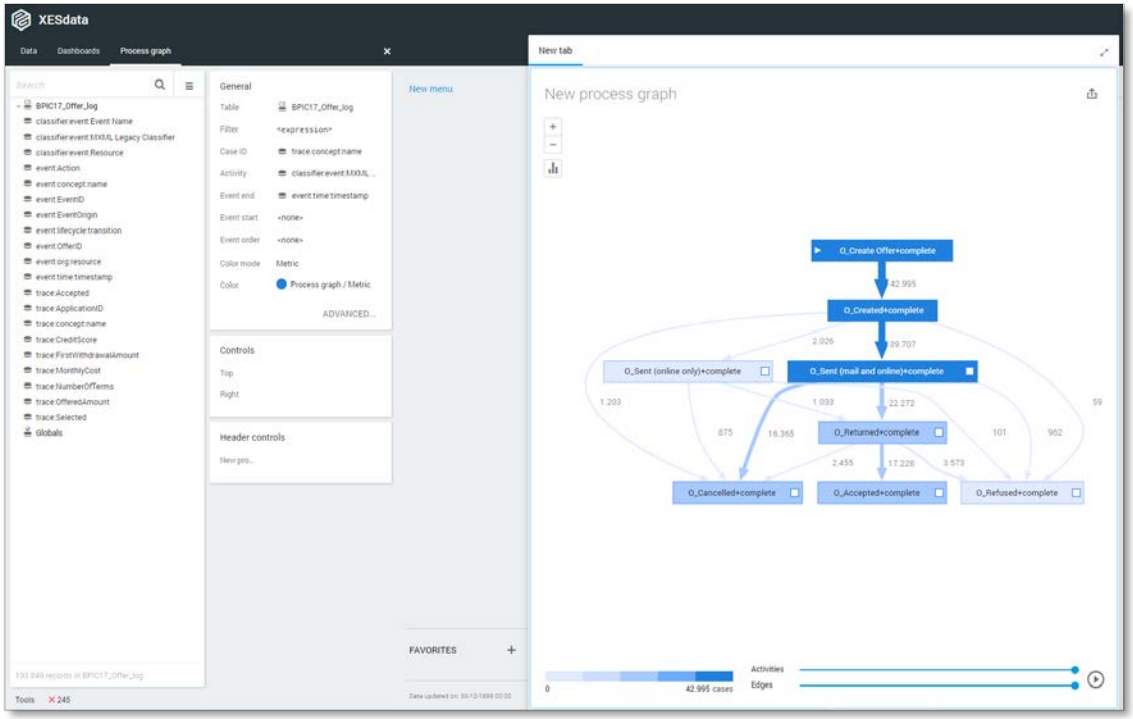
Value (Boolean)	Frequency
False	85.054
True	108.795

Create the dashboard

Follow the same steps as in Level A1, except at the following points:

- Create the Process Graph using *New process graph > BPIC17_Offer_log*
- You do not have to create a DummyTimestamp
- Set the following Process Graph attributes in the right column:
    - Case ID: trace:concept:name
    - Activity: classifier:event:MXML Legacy Classifier
    - Event end: event:time:timestamp

Now the process graph is visible.

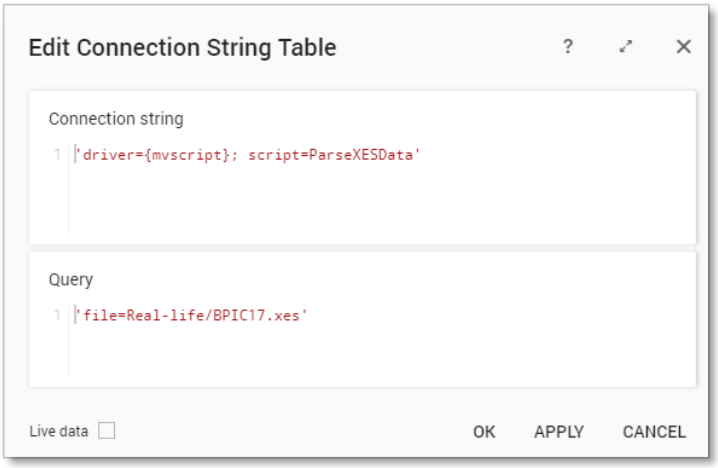


BPIC17

Load the data

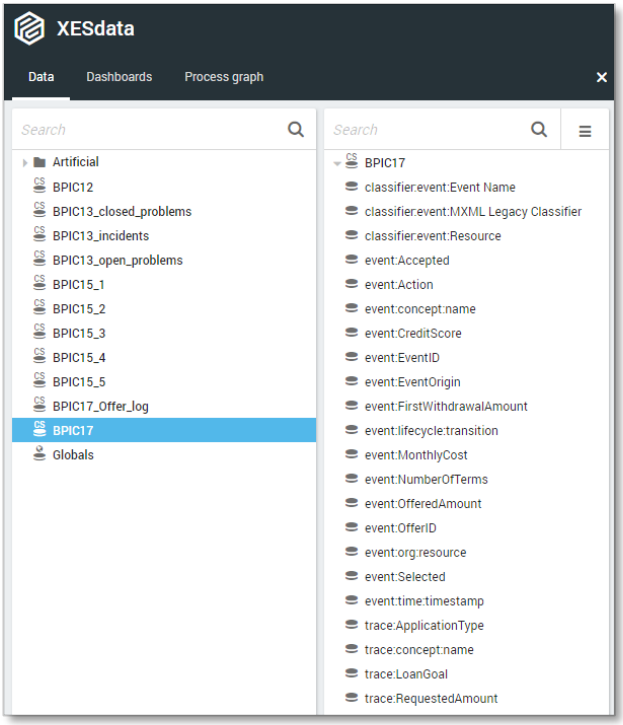
Follow the same steps as in Level A1, except at the following points:

Use the Real-life/BPIC17.xes file in the query field of the Connection String:

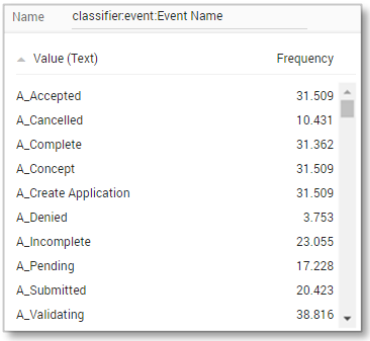


- Rename the newly created table to BPIC17.

The data will now be correctly loaded.

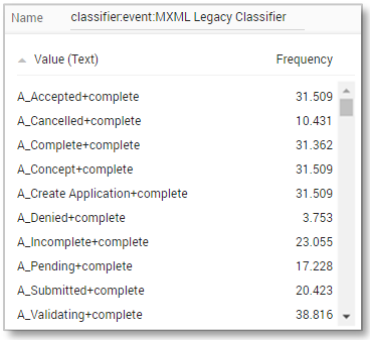


Attributes



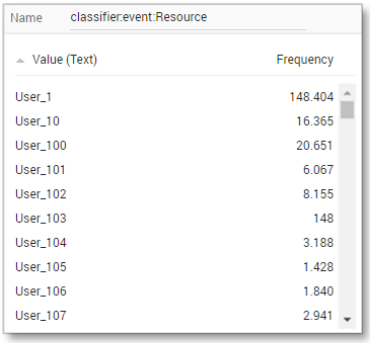
Name classifier:event:Event Name

Value (Text)	Frequency
A_Accepted	31.509
A_Cancelled	10.431
A_Complete	31.362
A_Concept	31.509
A_Create Application	31.509
A_Denied	3.753
A_Incomplete	23.055
A_Pending	17.228
A_Submitted	20.423
A_Validating	38.816



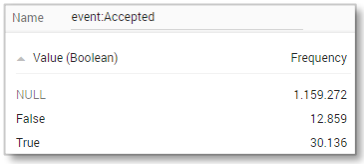
Name classifier:event:MXML Legacy Classifier

Value (Text)	Frequency
A_Accepted+complete	31.509
A_Cancelled+complete	10.431
A_Complete+complete	31.362
A_Concept+complete	31.509
A_Create Application+complete	31.509
A_Denied+complete	3.753
A_Incomplete+complete	23.055
A_Pending+complete	17.228
A_Submitted+complete	20.423
A_Validating+complete	38.816



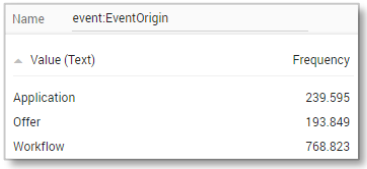
Name classifier:event:Resource

Value (Text)	Frequency
User_1	148.404
User_10	16.365
User_100	20.651
User_101	6.067
User_102	8.155
User_103	148
User_104	3.188
User_105	1.428
User_106	1.840
User_107	2.941



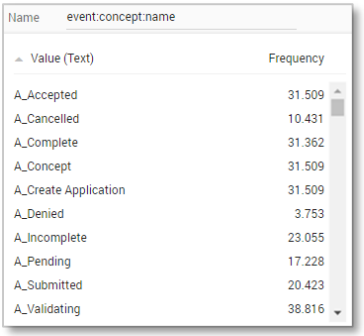
Name event:Accepted

Value (Boolean)	Frequency
NULL	1.159.272
False	12.859
True	30.136



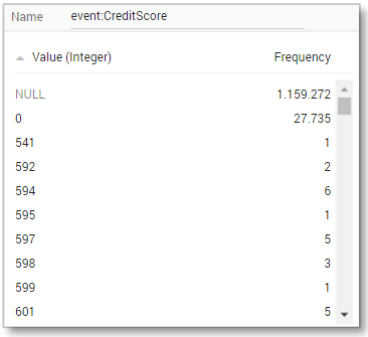
Name event:EventOrigin

Value (Text)	Frequency
Application	239.595
Offer	193.849
Workflow	768.823



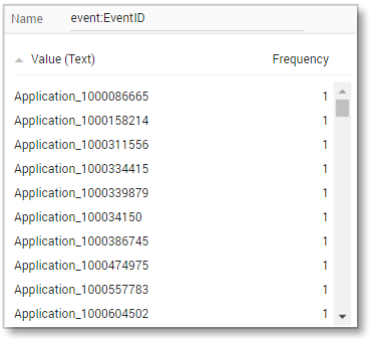
Name event:concept:name

Value (Text)	Frequency
A_Accepted	31.509
A_Cancelled	10.431
A_Complete	31.362
A_Concept	31.509
A_Create Application	31.509
A_Denied	3.753
A_Incomplete	23.055
A_Pending	17.228
A_Submitted	20.423
A_Validating	38.816



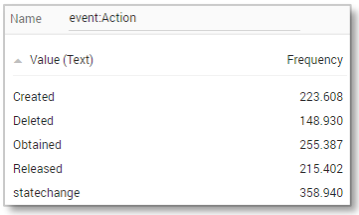
Name event:CreditScore

Value (Integer)	Frequency
NULL	1.159.272
0	27.735
541	1
592	2
594	6
595	1
597	5
598	3
599	1
601	5



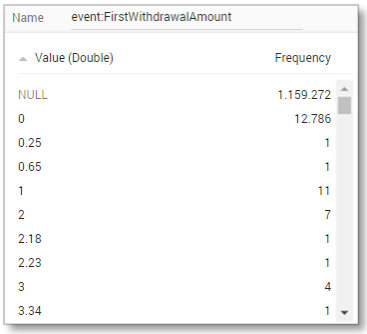
Name event:EventID

Value (Text)	Frequency
Application_1000086665	1
Application_1000158214	1
Application_1000311556	1
Application_1000334415	1
Application_1000339879	1
Application_100034150	1
Application_1000386745	1
Application_1000474975	1
Application_1000557783	1
Application_1000604502	1



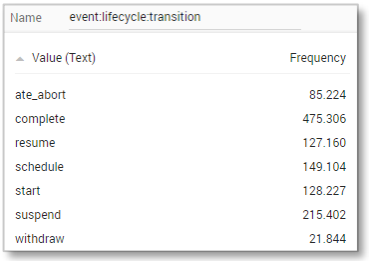
Name event:Action

Value (Text)	Frequency
Created	223.608
Deleted	148.930
Obtained	255.387
Released	215.402
statechange	358.940



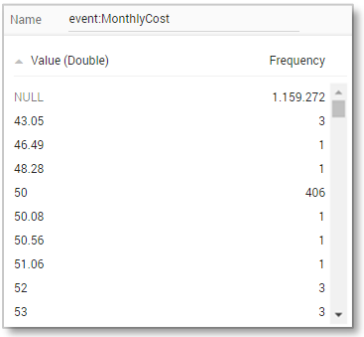
Name event:FirstWithdrawalAmount

Value (Double)	Frequency
NULL	1.159.272
0	12.786
0.25	1
0.65	1
1	11
2	7
2.18	1
2.23	1
3	4
3.34	1



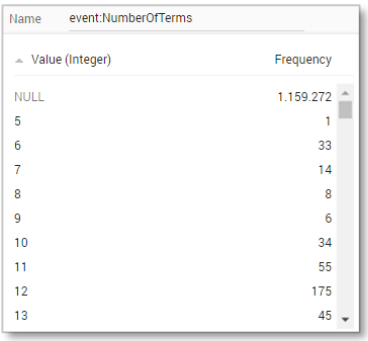
Name event:lifecycle:transition

Value (Text)	Frequency
ate_abort	85.224
complete	475.306
resume	127.160
schedule	149.104
start	128.227
suspend	215.402
withdraw	21.844



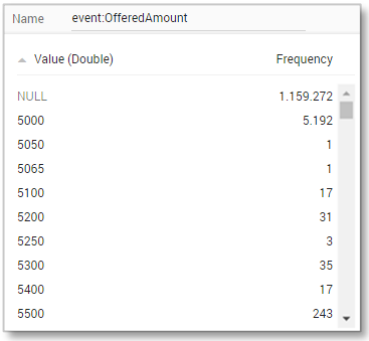
Name event:MonthlyCost

Value (Double)	Frequency
NULL	1.159.272
43.05	3
46.49	1
48.28	1
50	406
50.08	1
50.56	1
51.06	1
52	3
53	3



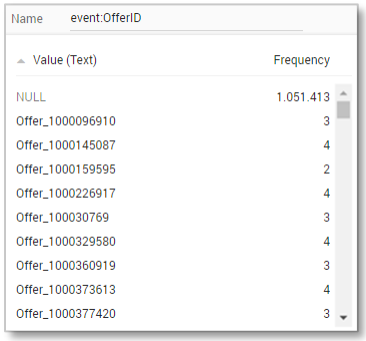
Name event:NumberOfTerms

Value (Integer)	Frequency
NULL	1.159.272
5	1
6	33
7	14
8	8
9	6
10	34
11	55
12	175
13	45



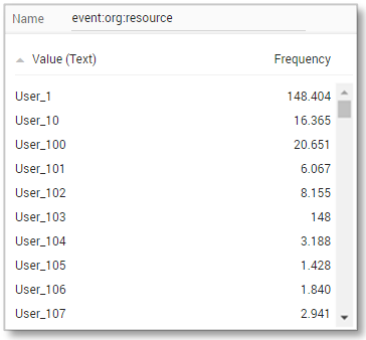
Name event:OfferedAmount

Value (Double)	Frequency
NULL	1.159.272
5000	5.192
5050	1
5065	1
5100	17
5200	31
5250	3
5300	35
5400	17
5500	243



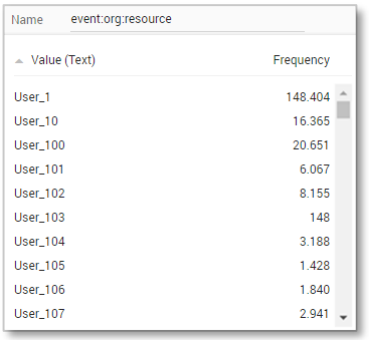
Name event:OfferID

Value (Text)	Frequency
NULL	1.051.413
Offer_1000096910	3
Offer_1000145087	4
Offer_1000159595	2
Offer_1000226917	4
Offer_100030769	3
Offer_1000329580	4
Offer_1000360919	3
Offer_1000373613	4
Offer_1000377420	3



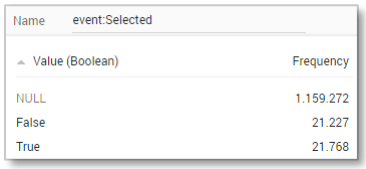
Name event:org:resource

Value (Text)	Frequency
User_1	148.404
User_10	16.365
User_100	20.651
User_101	6.067
User_102	8.155
User_103	148
User_104	3.188
User_105	1.428
User_106	1.840
User_107	2.941



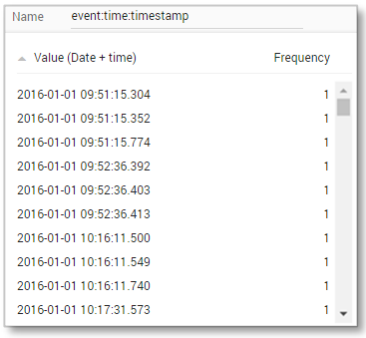
Name event:org:resource

Value (Text)	Frequency
User_1	148.404
User_10	16.365
User_100	20.651
User_101	6.067
User_102	8.155
User_103	148
User_104	3.188
User_105	1.428
User_106	1.840
User_107	2.941



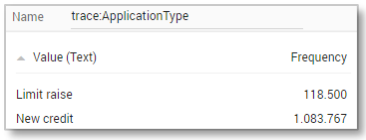
Name event:Selected

Value (Boolean)	Frequency
NULL	1.159.272
False	21.227
True	21.768



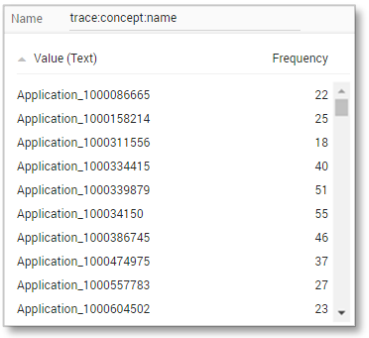
Name event:time:timestamp

Value (Date + time)	Frequency
2016-01-01 09:51:15.304	1
2016-01-01 09:51:15.352	1
2016-01-01 09:51:15.774	1
2016-01-01 09:52:36.392	1
2016-01-01 09:52:36.403	1
2016-01-01 09:52:36.413	1
2016-01-01 10:16:11.500	1
2016-01-01 10:16:11.549	1
2016-01-01 10:16:11.740	1
2016-01-01 10:17:31.573	1



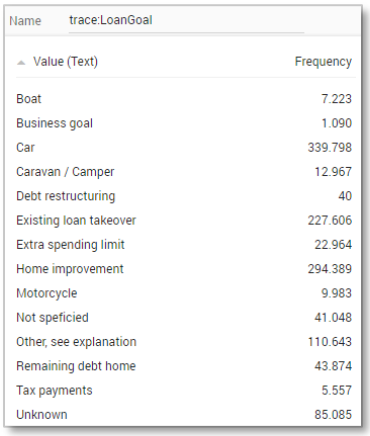
Name trace:ApplicationType

Value (Text)	Frequency
Limit raise	118.500
New credit	1.083.767



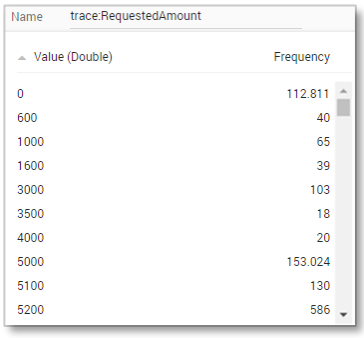
Name trace:concept:name

Value (Text)	Frequency
Application_1000086665	22
Application_1000158214	25
Application_1000311556	18
Application_1000334415	40
Application_1000339879	51
Application_100034150	55
Application_1000386745	46
Application_1000474975	37
Application_1000557783	27
Application_1000604502	23



Name trace:LoanGoal

Value (Text)	Frequency
Boat	7.223
Business goal	1.090
Car	339.798
Caravan / Camper	12.967
Debt restructuring	40
Existing loan takeover	227.606
Extra spending limit	22.964
Home improvement	294.389
Motorcycle	9.983
Not speficied	41.048
Other, see explanation	110.643
Remaining debt home	43.874
Tax payments	5.557
Unknown	85.085



Name trace:RequestedAmount

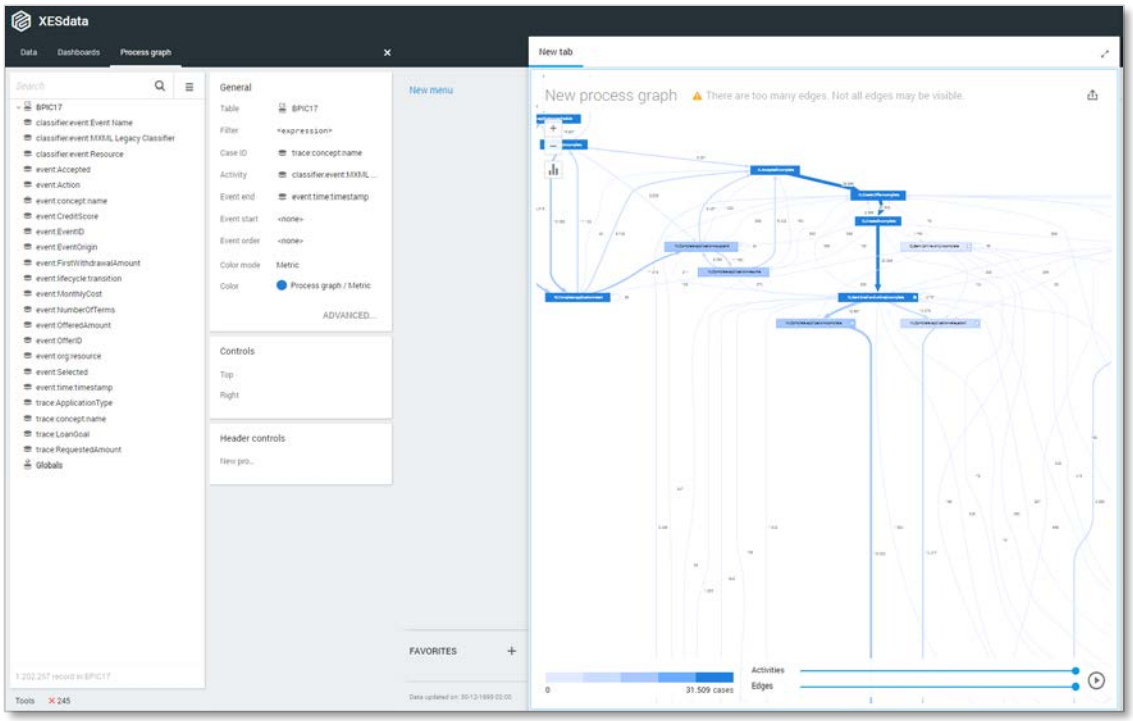
Value (Double)	Frequency
0	112.811
600	40
1000	65
1600	39
3000	103
3500	18
4000	20
5000	153.024
5100	130
5200	586

Create the dashboard

Follow the same steps as in Level A1, except at the following points:

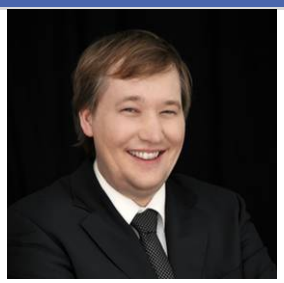
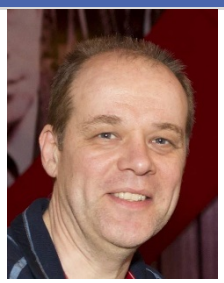
- Create the Process Graph using *New process graph > BPIC17*
- You do not have to create a DummyTimestamp
- Set the following Process Graph attributes in the right column:
    - Case ID: trace:concept:name
    - Activity: classifier:event:MXML Legacy Classifier
    - Event end: event:time:timestamp

Now the process graph is visible.



Note that not all edges could be drawn due to the size of the graph.

Contact Information

WIL VAN DER AALST CHAIR	CHRISTIAN GÜNTHER VICE-CHAIR	ERIC VERBEEK SECRETARY
		
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