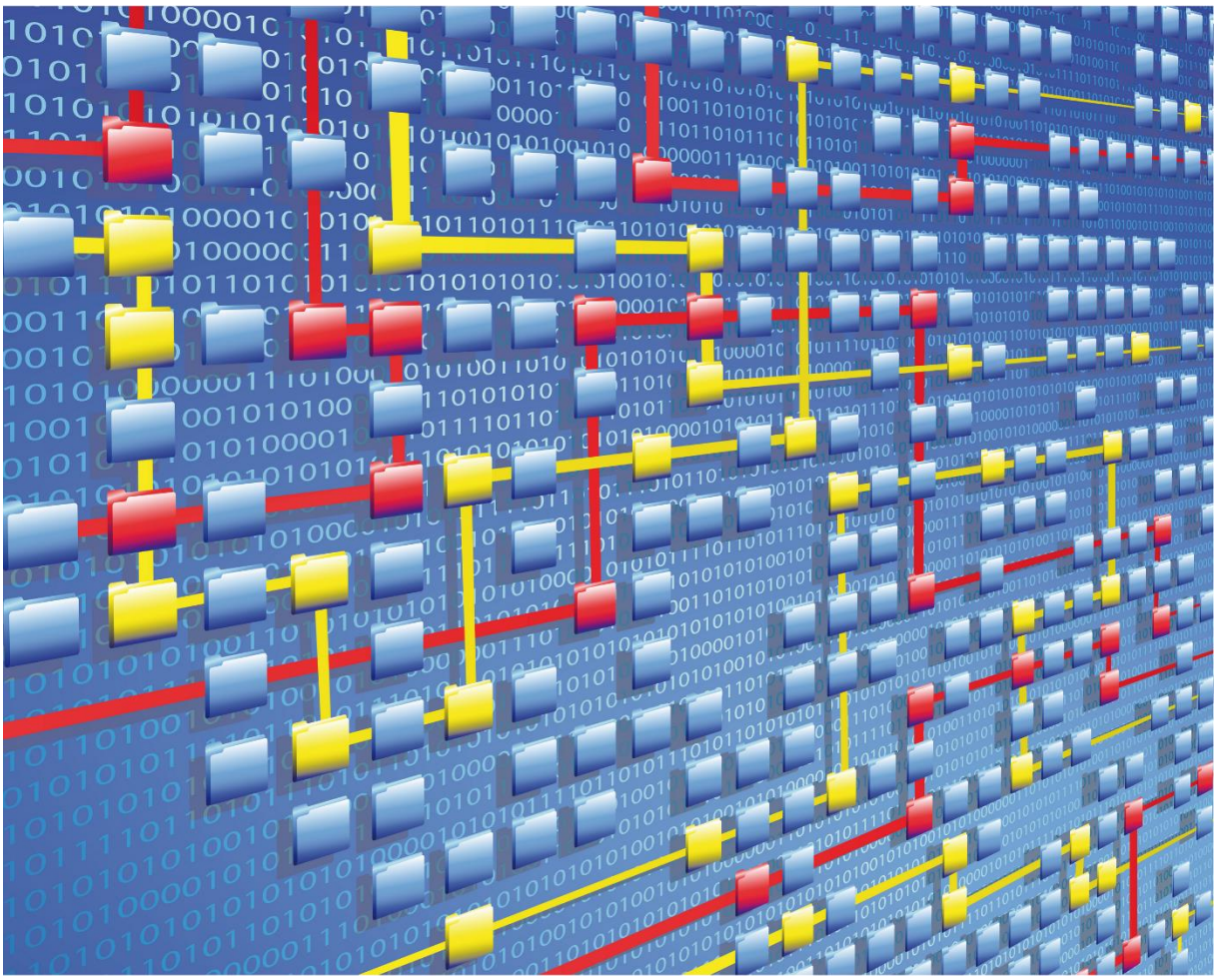
IEEE Task Force on



Process Mining

XES CERTIFICATION FOR CELONIS 4.2

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Contact Information _____ 59

Tool

NAME

Celonis

VENDOR

Celonis

VERSION

4.2

REQUESTED CERTIFICATION LEVELS

Import

Level A1, Level B1, Level C1, Level D1

Export

None. The export in Celonis is only possible in CPT format and not (YET!) in XES format.

META

Meta

AUTHORS

Patrick Kroyer

DATE

04.10.2017

HISTORY

CHANGES

AUTHOR(S)	DATE	DESCRIPTION
Patrick Kroyer	04.10.2017	Creation of this document

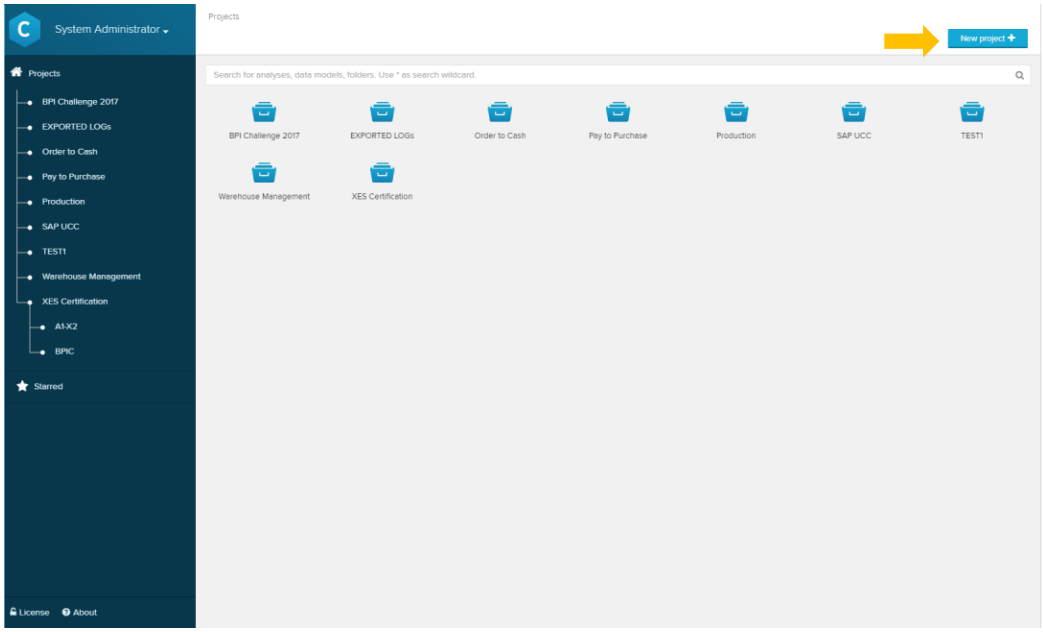
Import

REAL-LIFE LOGS

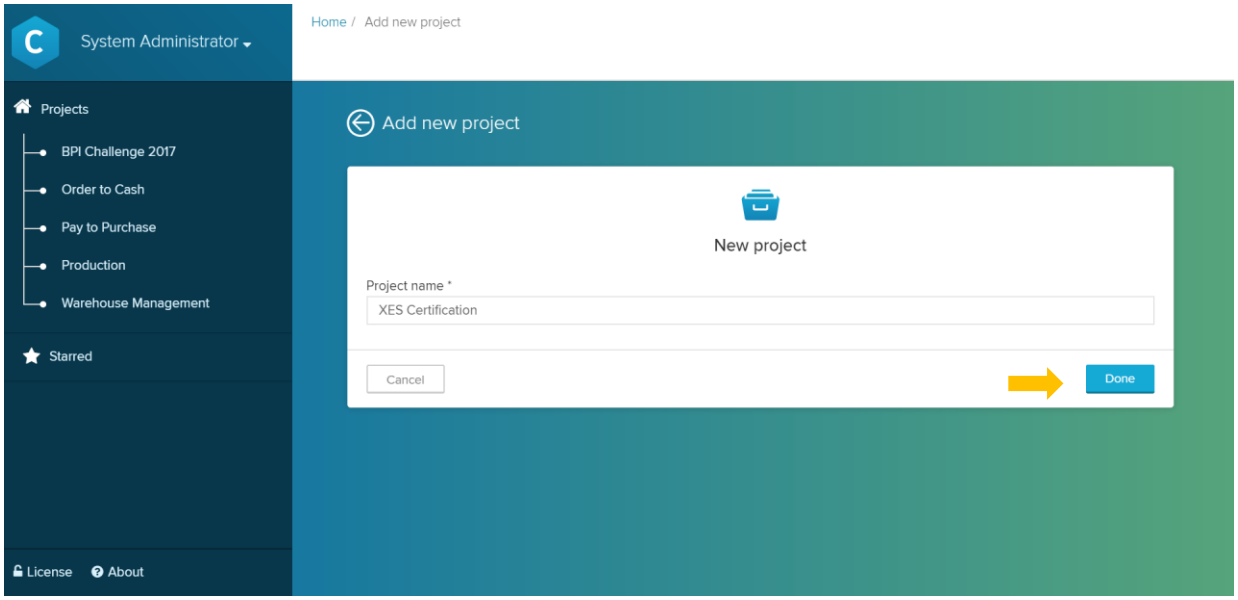
SANITIZED BPIC LOGS

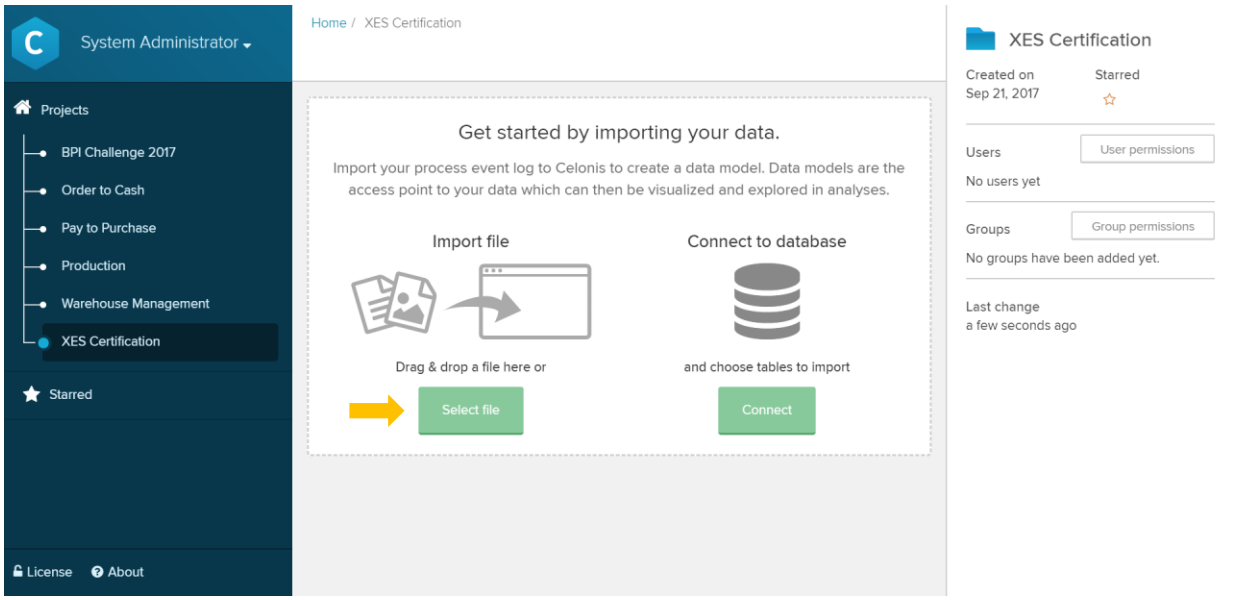
NAME	TRACES	EVENTS	SIZE IN KB
BPIC12	13,087	262,200	72,363
BPIC13_closed_problems	1,487	6,660	4,090
BPIC13_incidents	7,554	65,533	38,627
BPIC13_open_problems	819	2,351	1,370
BPIC15_1	1,199	52,217	40,261
BPIC15_2	832	44,354	33,616
BPIC15_3	1,409	59,681	45,673
BPIC15_4	1,053	47,293	36,131
BPIC15_5	1,156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

BPIC12



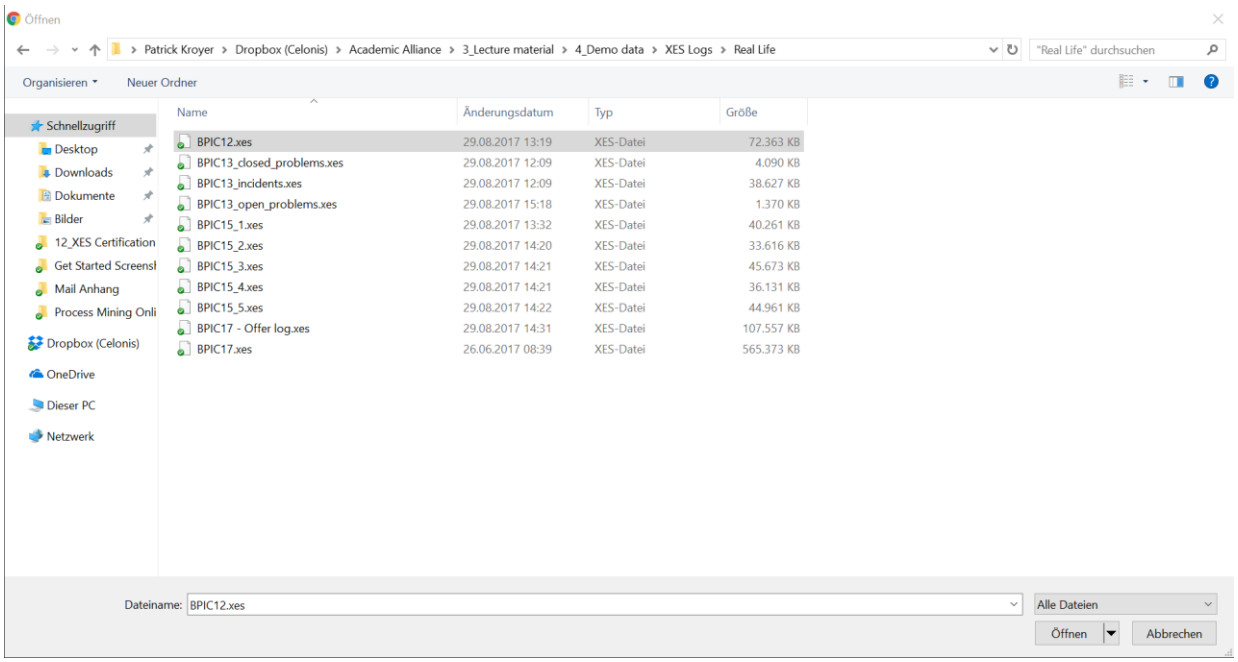
IMPORT

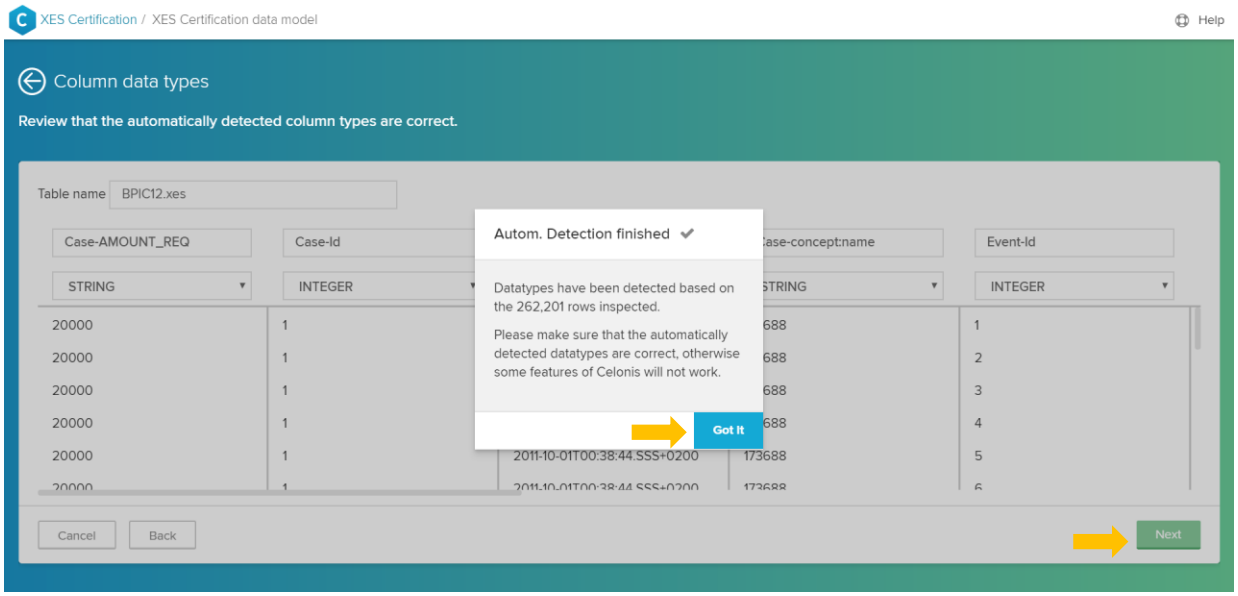




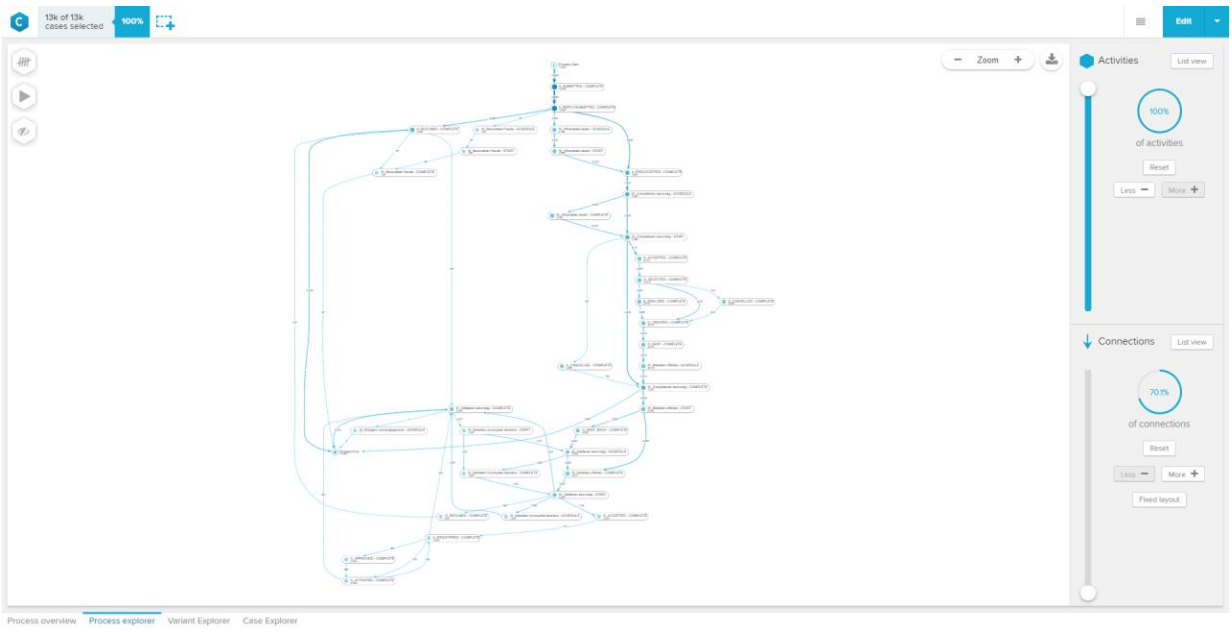
Do not worry if the field of the file upload looks a little bit different in your version. It is possible that there is only an “Import file” field.

IMPORT

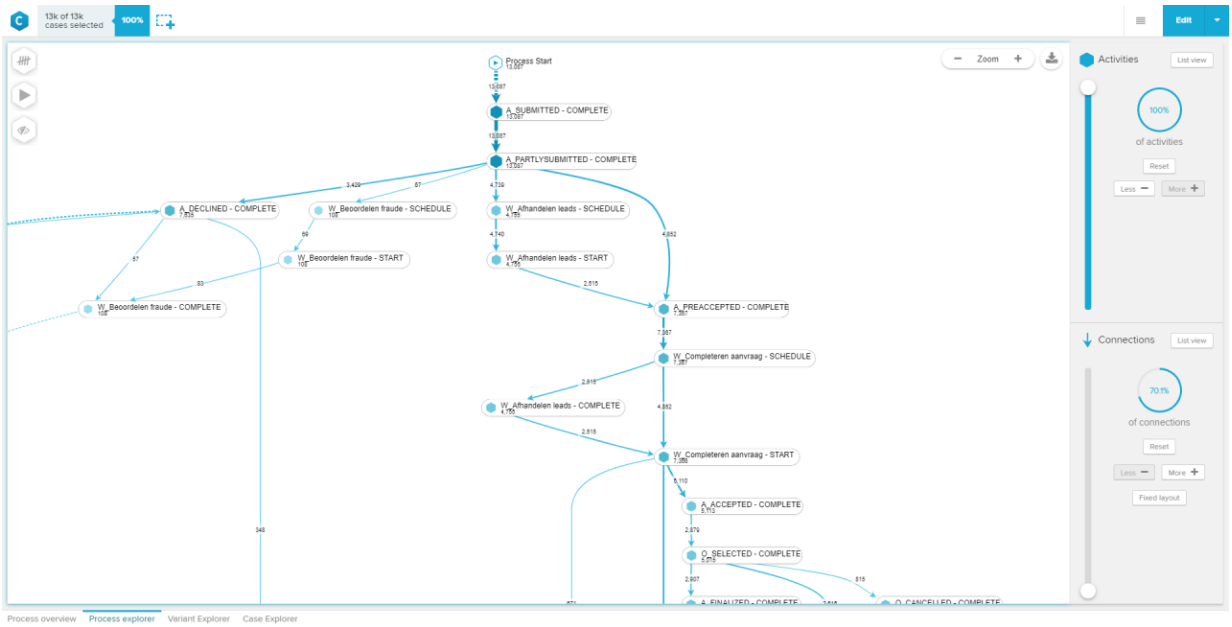

Öffnen
Patrick Kroyer › Dropbox (Celonis) › Academic Alliance › 3_Lecture material › 4_Demo data › XES Logs › Real Life
"Real Life" durchsuchen
Organisieren
Neuer Ordner
Schnellzugriff
Desktop
Downloads
Dokumente
Bilder
12_XES Certification
Get Started Screensl
Mail Anhang
Process Mining Onli
Dropbox (Celonis)
OneDrive
Dieser PC
Netzwerk
Name
Änderungsdatum
Typ
Größe
BPIC12.xes 29.08.2017 13:19 XES-Datei 72.363 KB
BPIC13_closed_problems.xes 29.08.2017 12:09 XES-Datei 4.090 KB
BPIC13_incidents.xes 29.08.2017 12:09 XES-Datei 38.627 KB
BPIC13_open_problems.xes 29.08.2017 15:18 XES-Datei 1.370 KB
BPIC15_1.xes 29.08.2017 13:32 XES-Datei 40.261 KB
BPIC15_2.xes 29.08.2017 14:20 XES-Datei 33.616 KB
BPIC15_3.xes 29.08.2017 14:21 XES-Datei 45.673 KB
BPIC15_4.xes 29.08.2017 14:21 XES-Datei 36.131 KB
BPIC15_5.xes 29.08.2017 14:22 XES-Datei 44.961 KB
BPIC17 - Offer log.xes 29.08.2017 14:31 XES-Datei 107.557 KB
BPIC17.xes 26.06.2017 08:39 XES-Datei 565.373 KB
Dateiname: BPIC12.xes
Alle Dateien
Öffnen
Abbrechen


XES Certification / XES Certification data model
Help
Column data types
Review that the automatically detected column types are correct.
Table name BPIC12.xes
Case-AMOUNT_REQ
Case-Id
Case-concept:name
Event-Id
STRING
INTEGER
STRING
INTEGER
20000 1 688 1
20000 1 688 2
20000 1 688 3
20000 1 688 4
20000 1 2011-10-01T00:38:44.SSS+0200 173688 5
Autom. Detection finished
Datatypes have been detected based on the 262,201 rows inspected.
Please make sure that the automatically detected datatypes are correct, otherwise some features of Celonis will not work.
Got It
Cancel
Back
Next

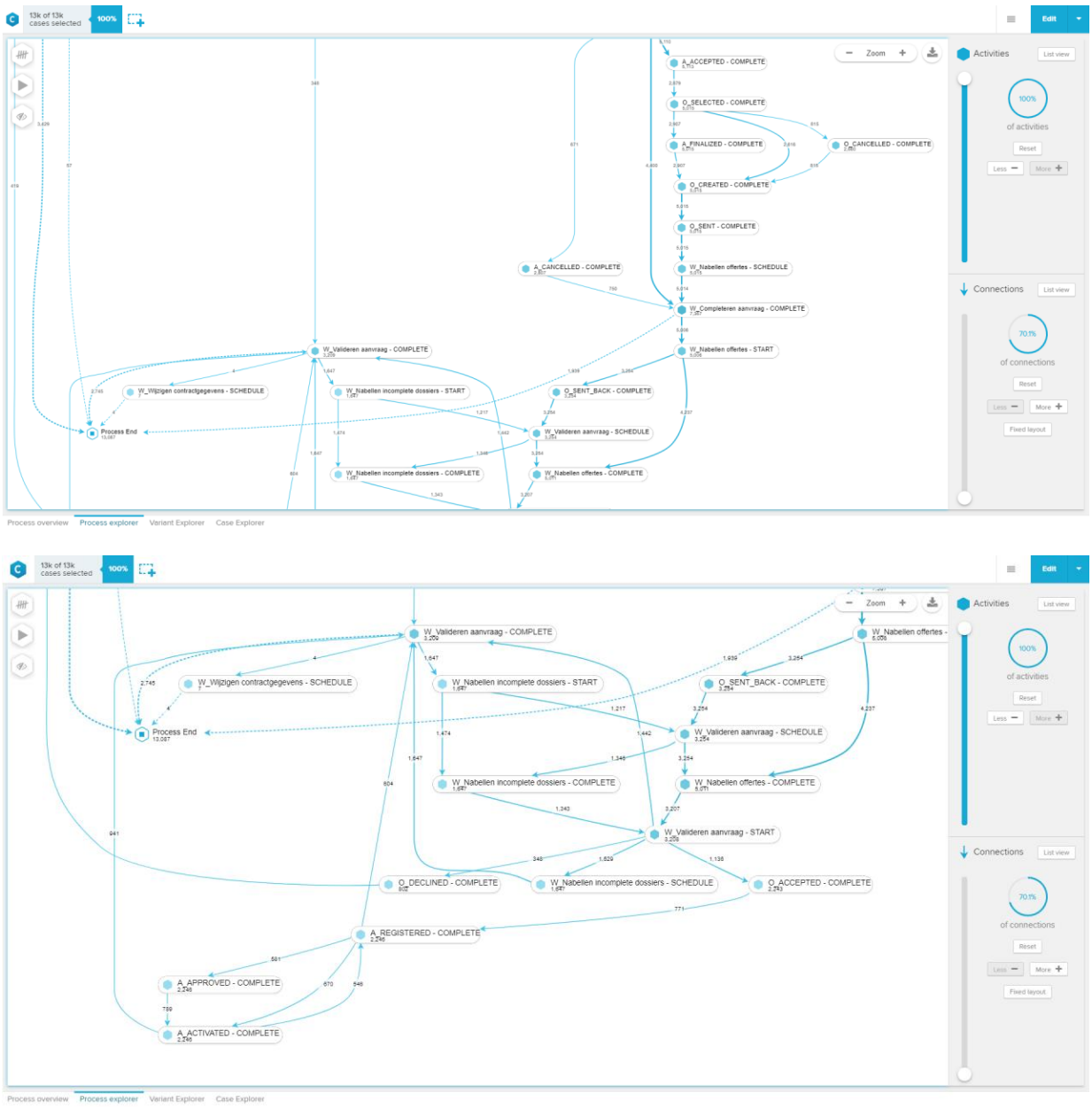
IMPORT



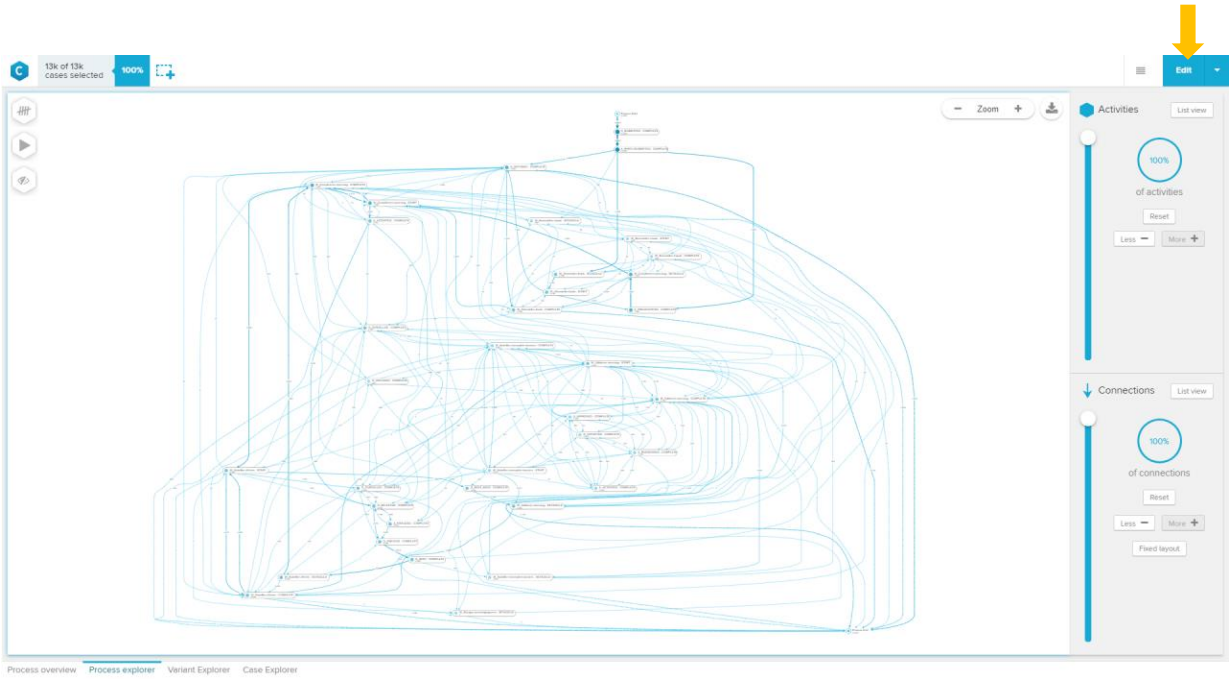
The Next Pictures will be close ups of the “Process explorer”:



IMPORT

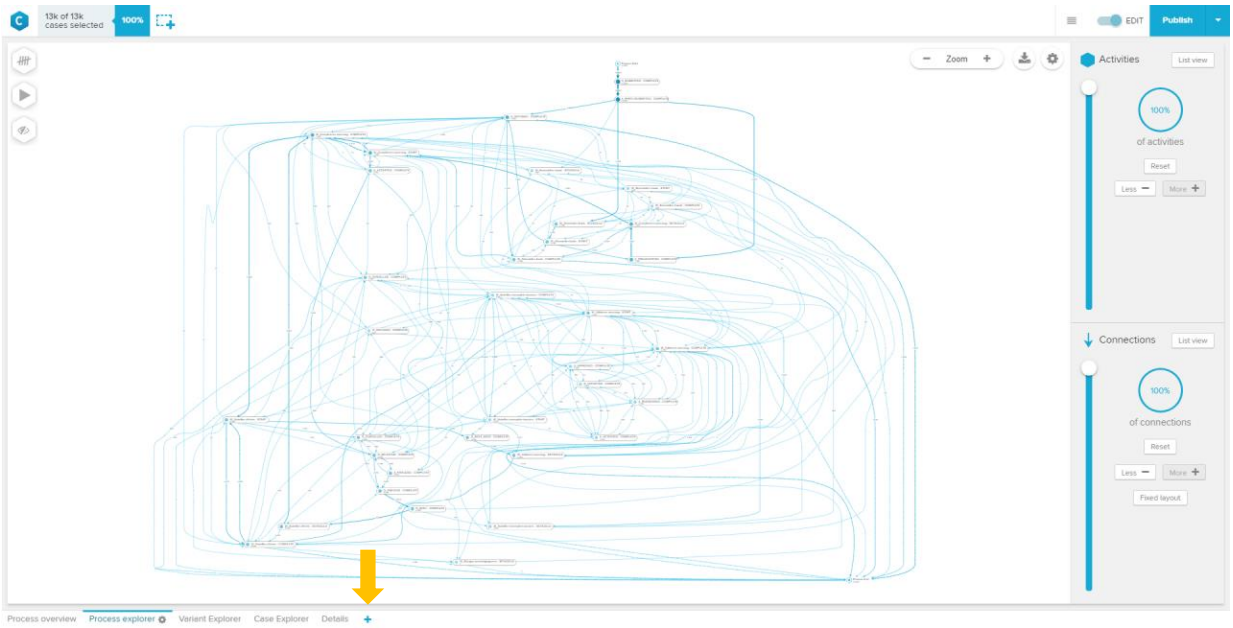


The “Process Explorer” shows ALL activities of the process. However, in the pictures above only 70.1 % of the connections are displayed. We did this, because if we showed you all connections, you would not be able to read the activities on the screenshot. When showing all connections, it looks like this:

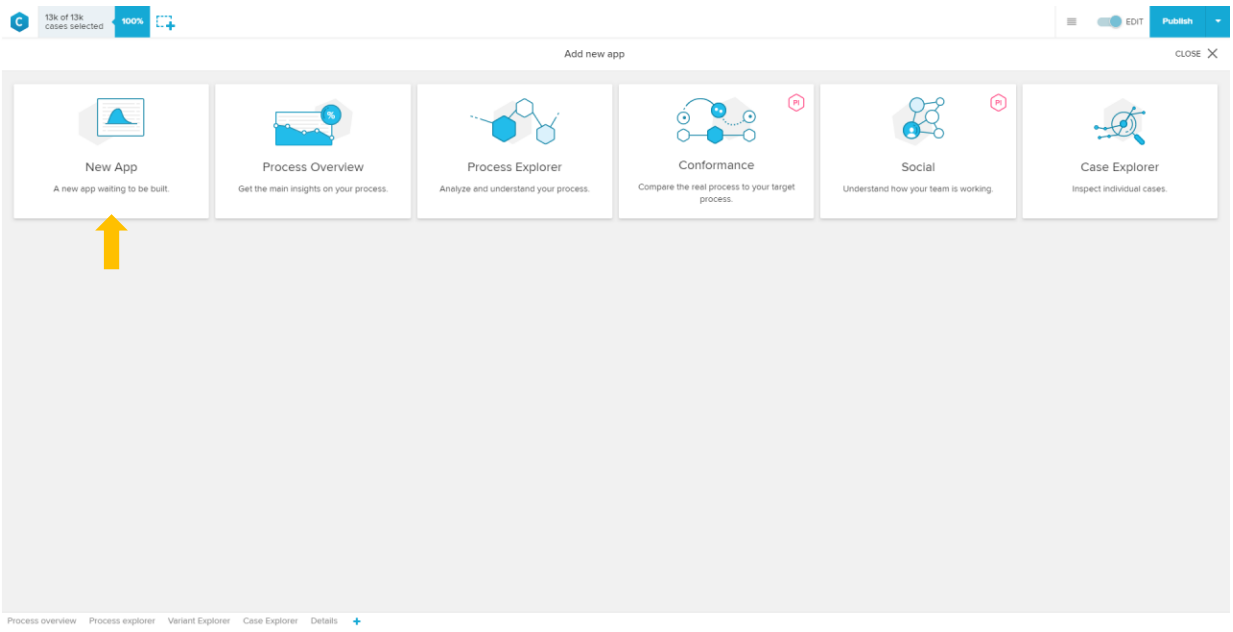


To get a nice overview over the imported log, you can create a sheet with the relevant details.

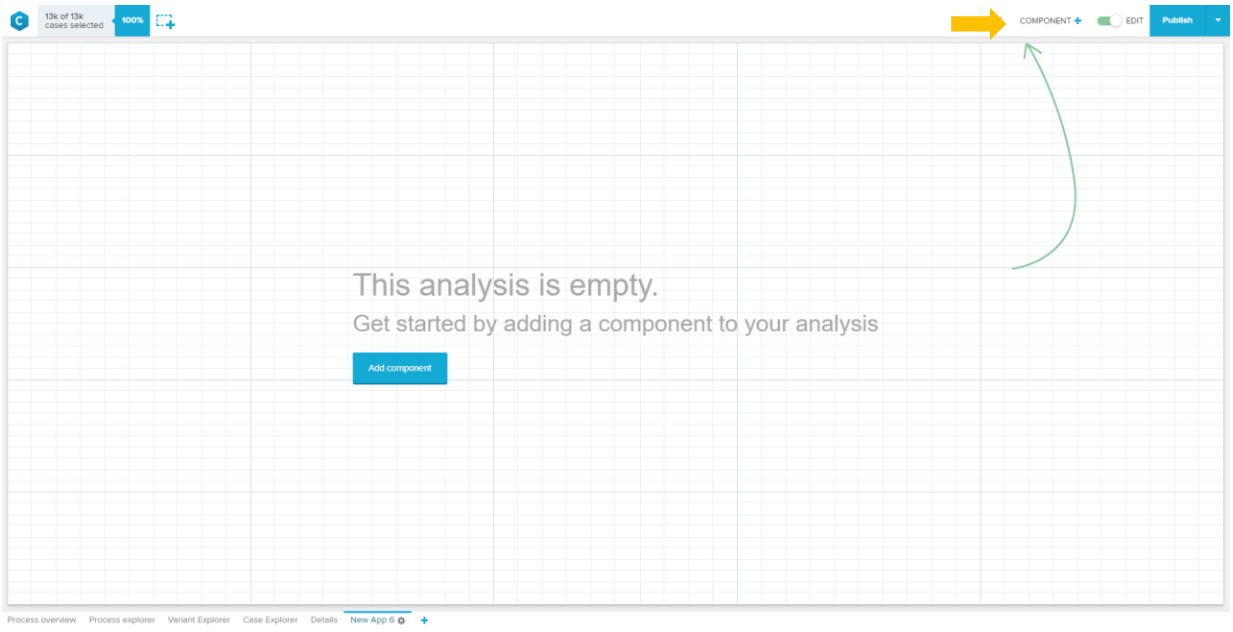
1. Click on the Edit button as shown in the previous screenshot



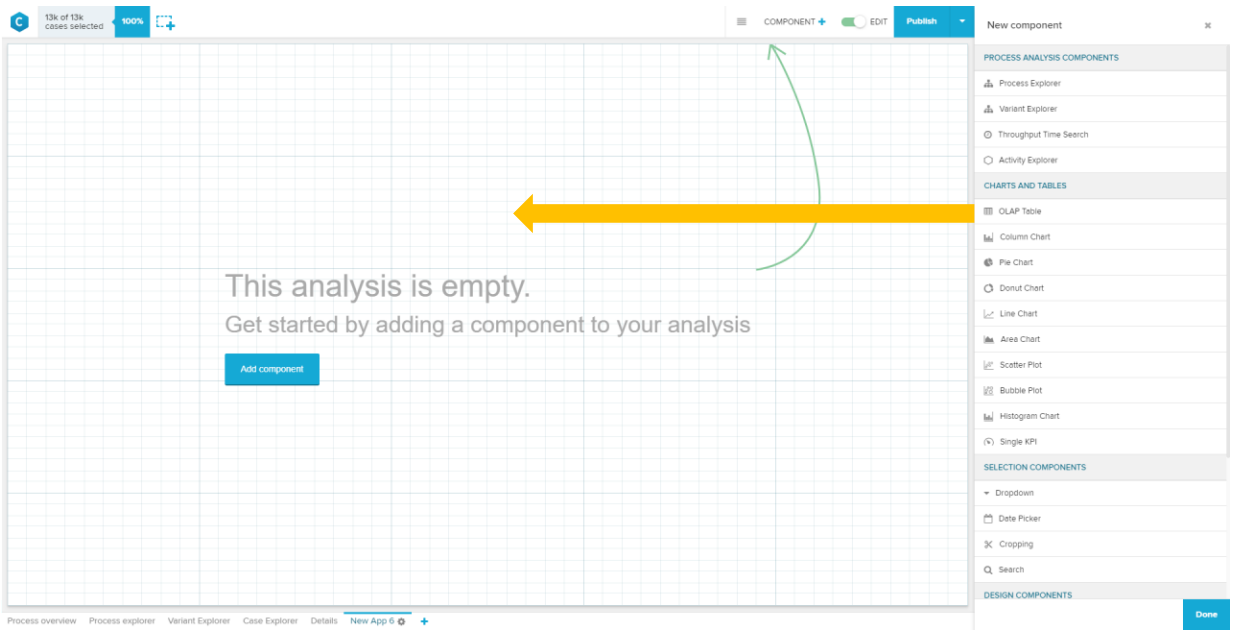
2. Click on the + button to add a new sheet



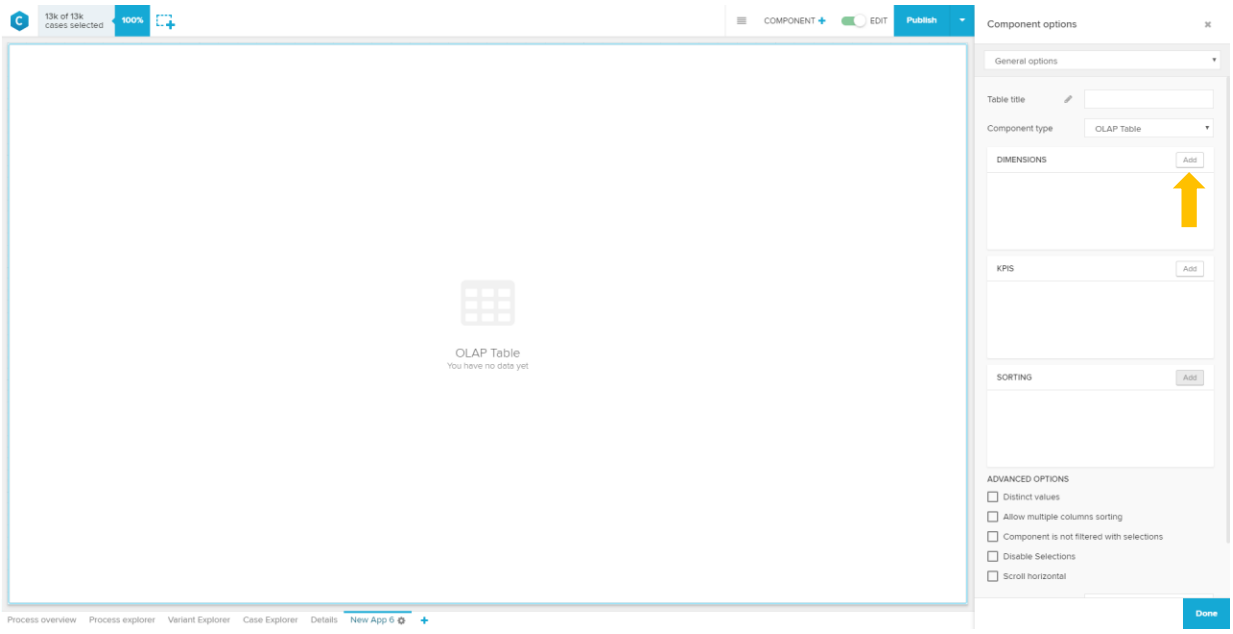
3. Select the field “New App”



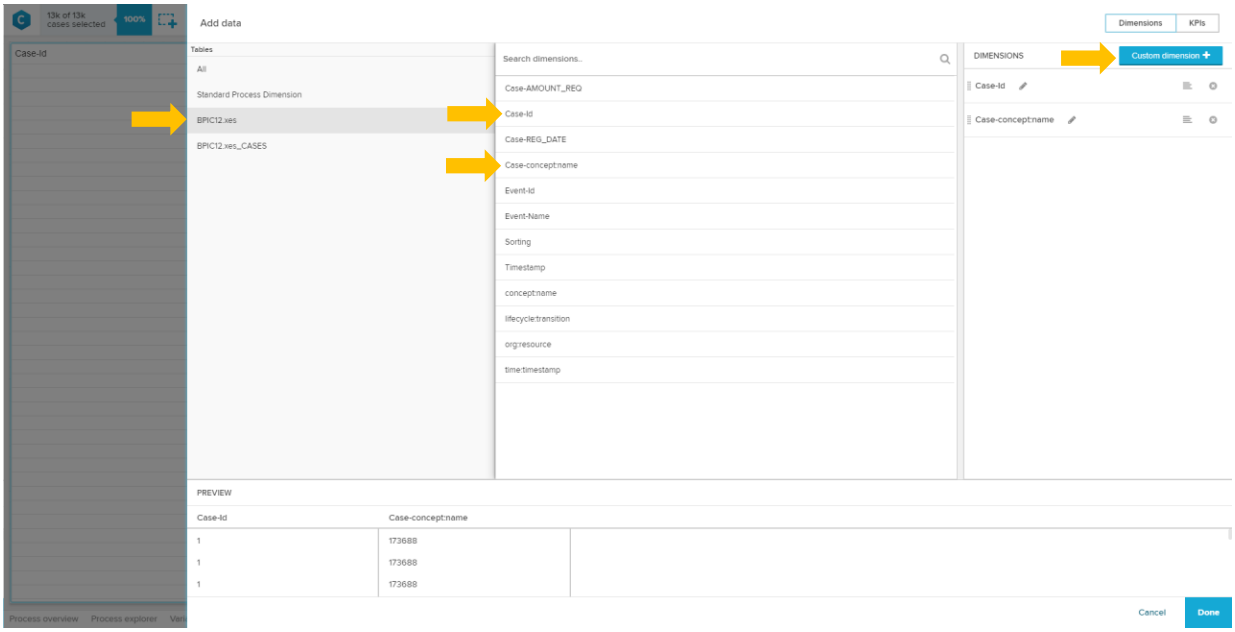
4. Click on “Component +”



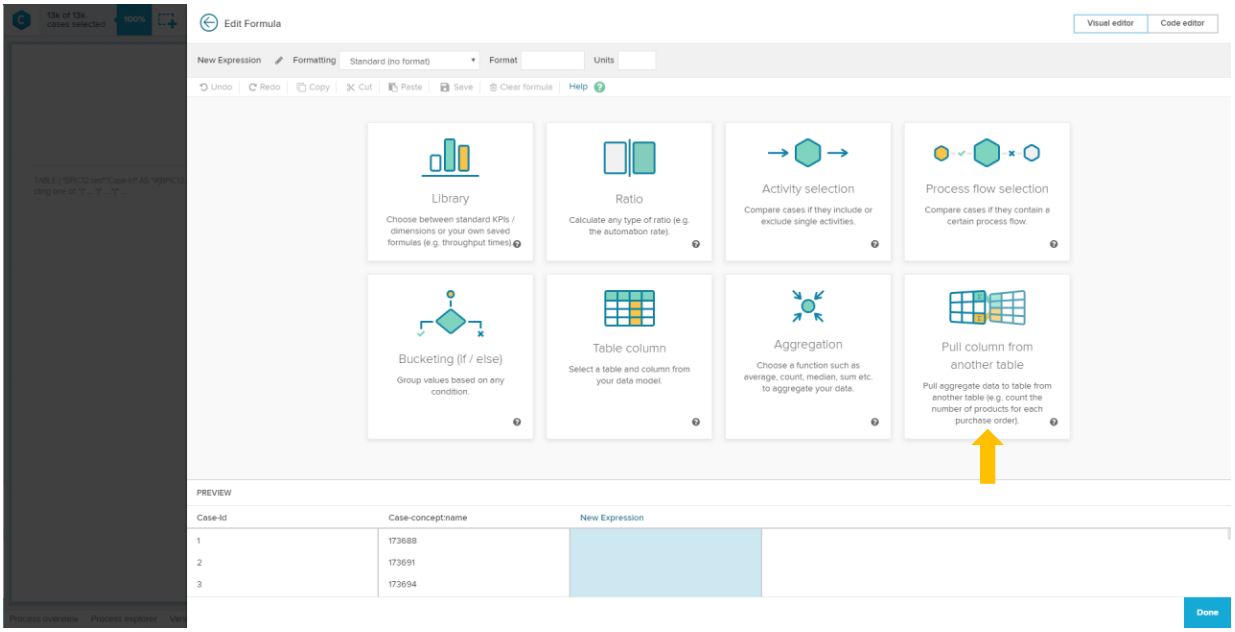
5. Add a OLAP Table through drag & drop and adapt its size



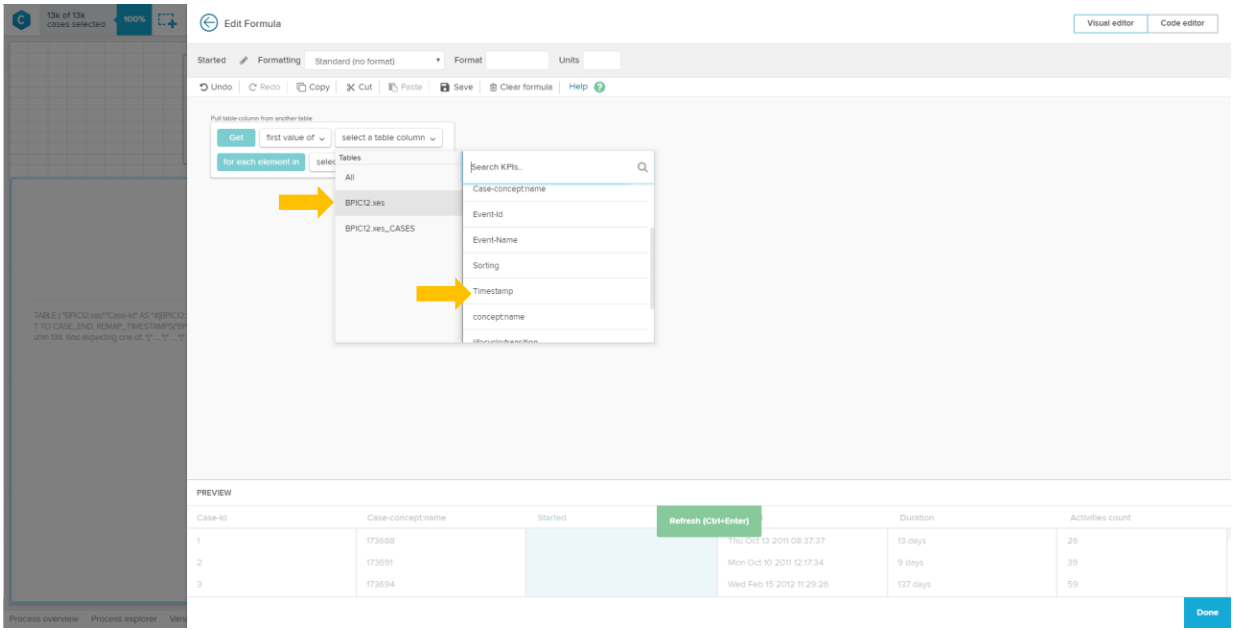
6. You can now start adding dimensions by clicking on the “add” Button

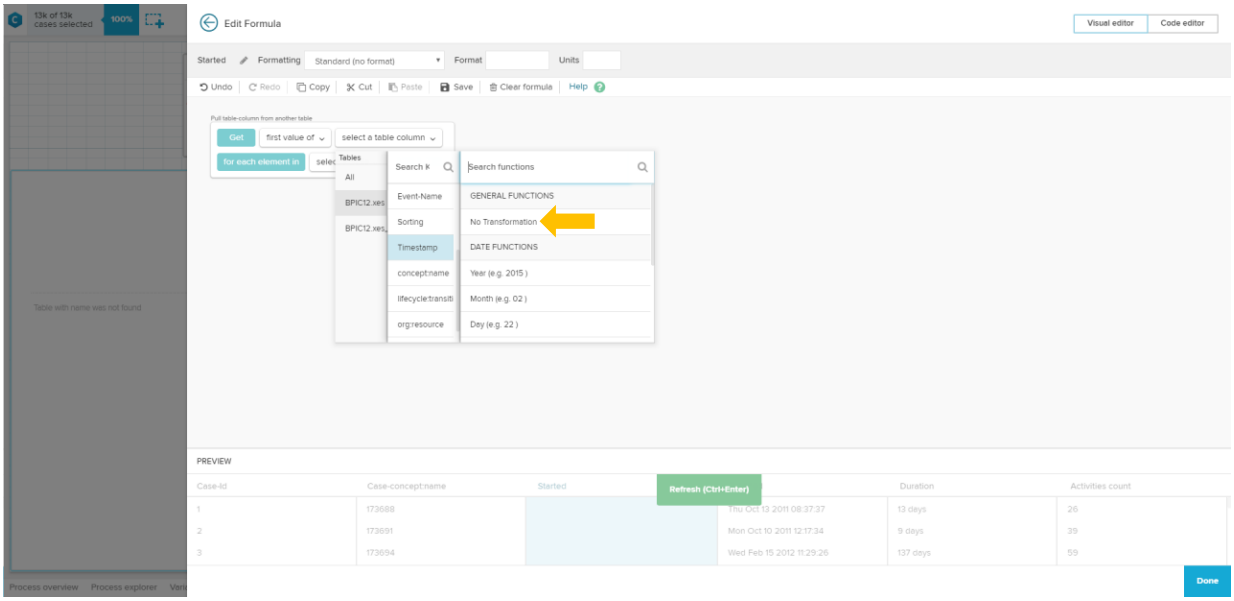


7. You can directly select the Case-Id and the Case-concept:name from the BPIC12.xes table
8. Click on “Custom dimension” to define a dimension for the start and end-time of the cases. In this case we will use the visual editor.

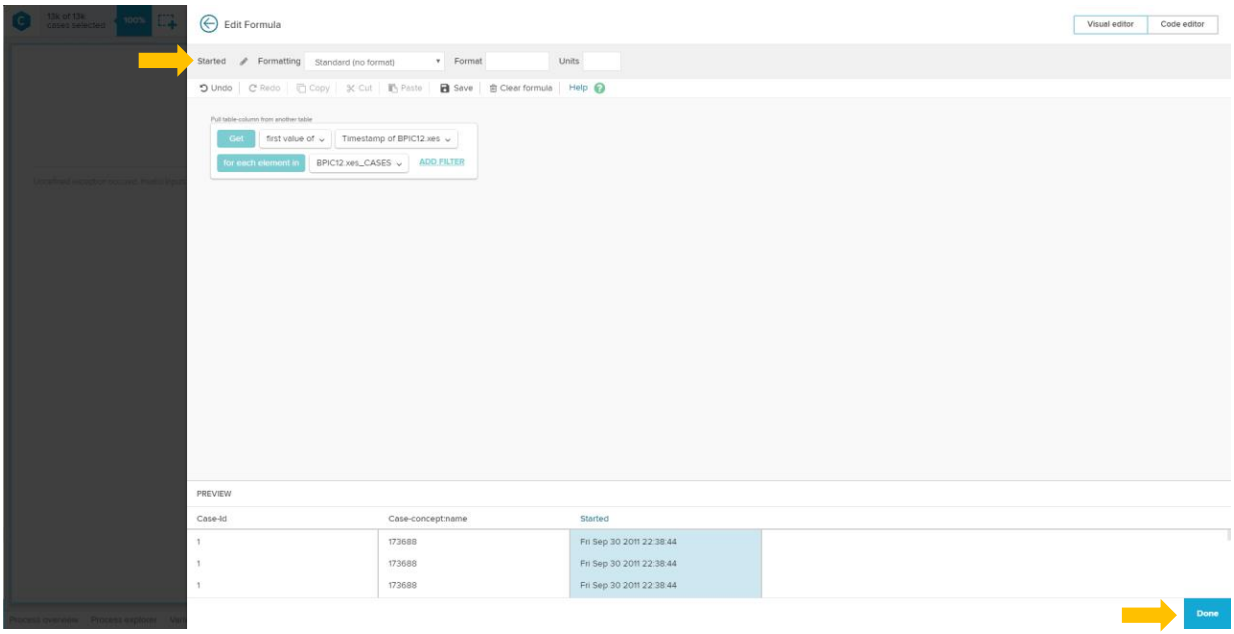


9. Click on “Pull column from another table”



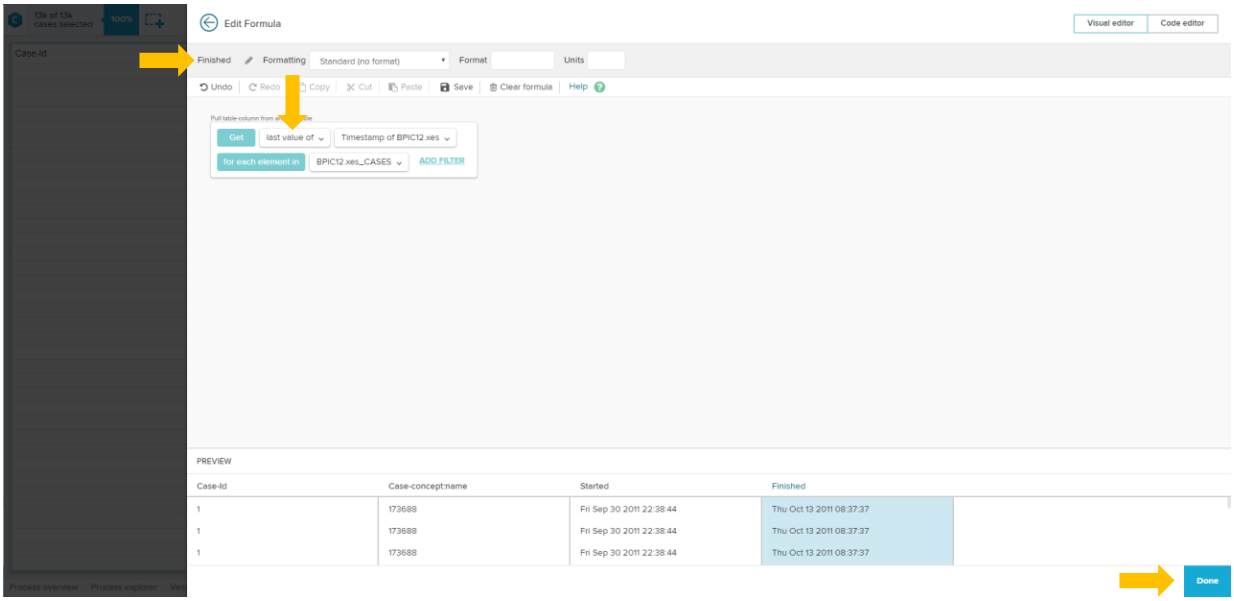


10. Select:
    a. Get “first value of”
    b. “Timestamp” from the Table “BPIC12.xes”
    c. when asked for the transformation, select “no transformation”
    d. for each element in “BPIC12.xes_Cases”

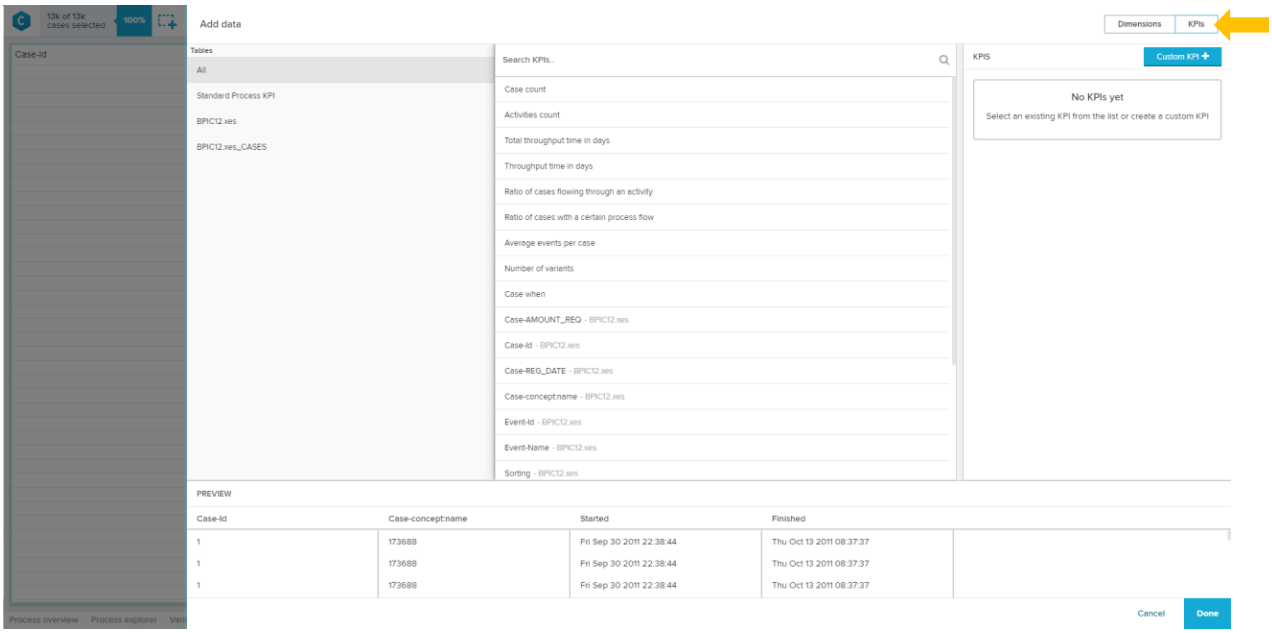


This is the formula that you should see now.

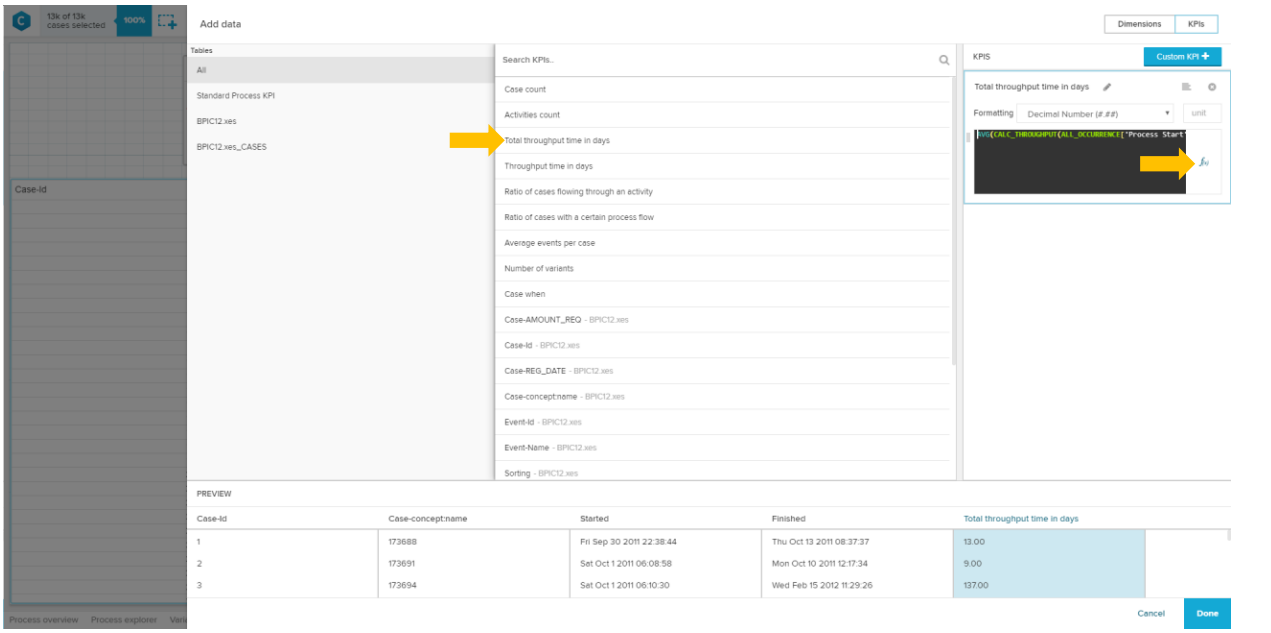
11. Finally change the name to “Started”
12. Hit the “Done” button
13. Click again on the “Custom Dimension” button



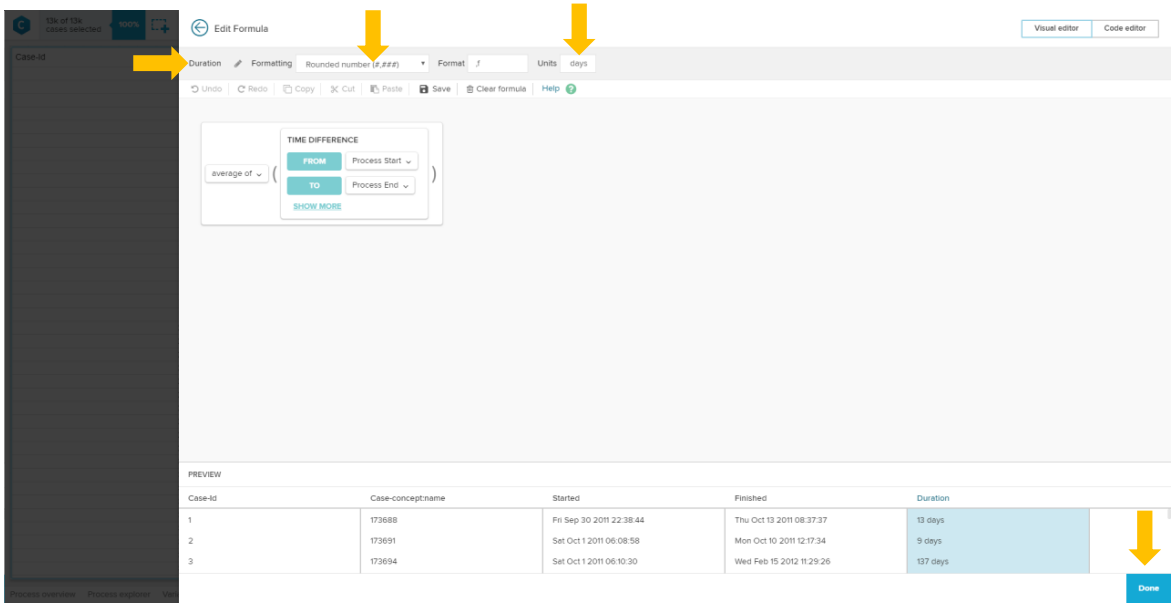
14. Select:
    a. Get “last value of”
    b. The rest is equal to the previous formula
15. Rename the formula to “Finished” and hit “Done”



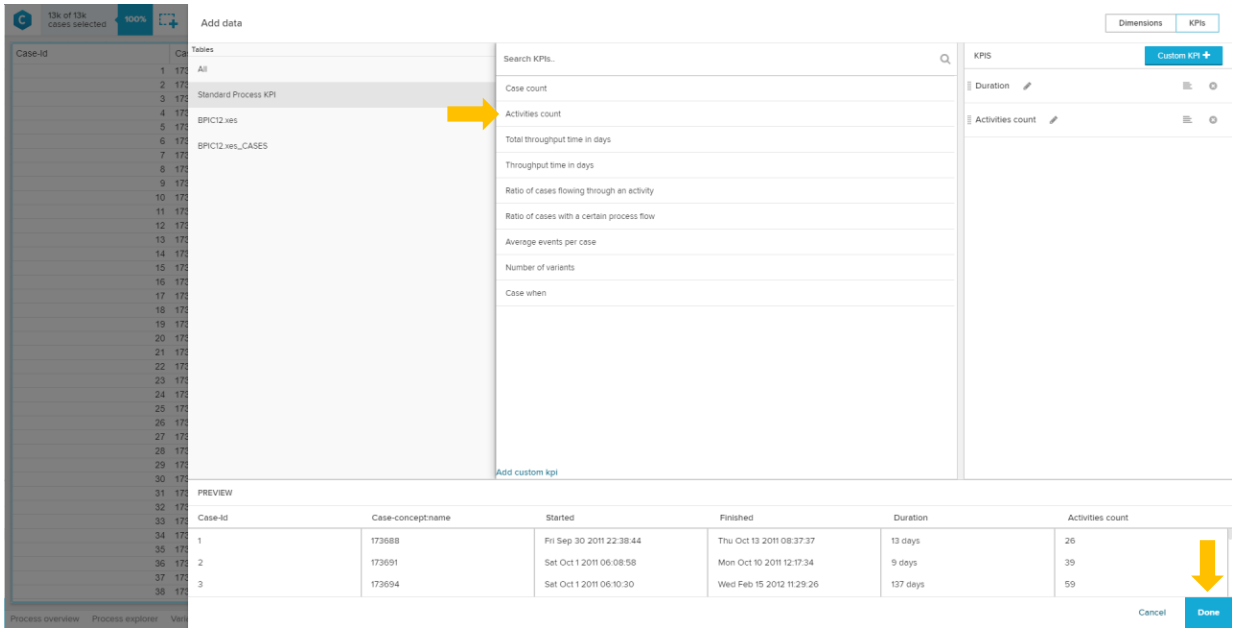
16. Click on “KPIs” in the top right corner



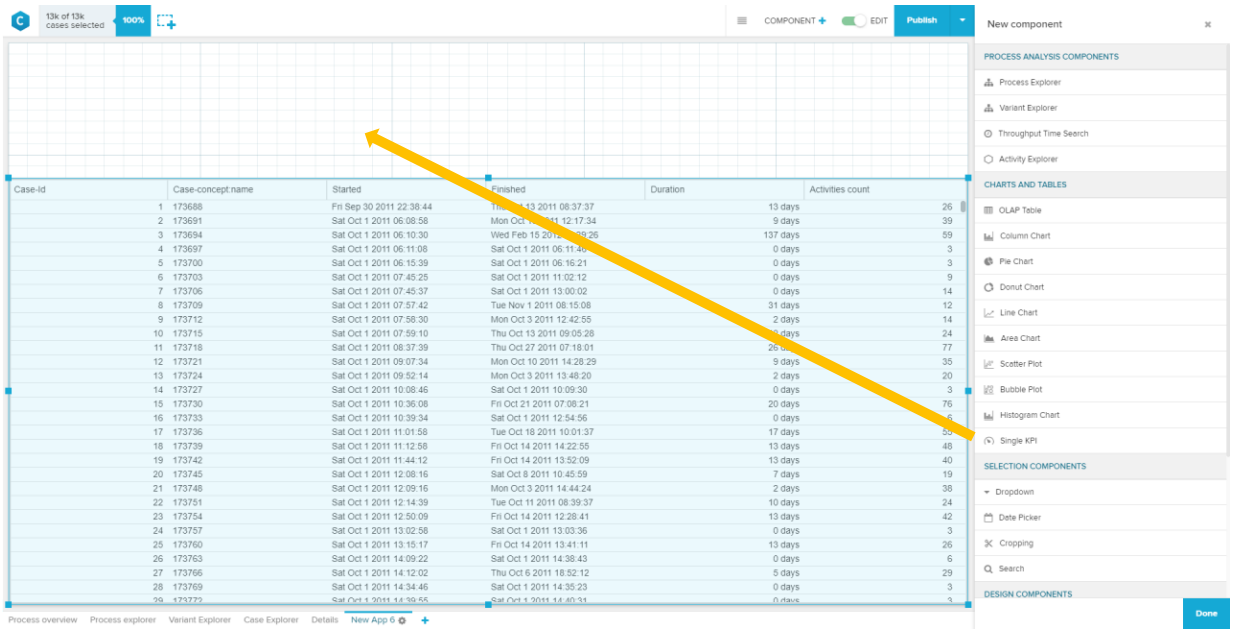
17. Select “Total throughput time in days” and click on “f(x)” to edit the formula



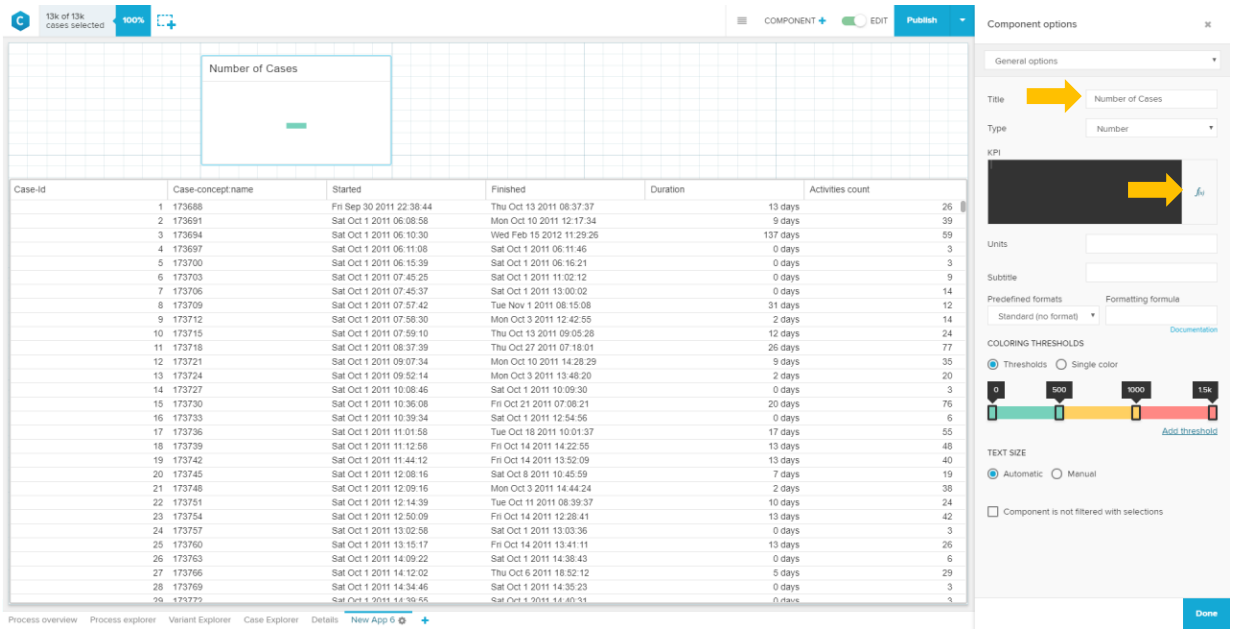
18. Name the formula “Duration”, change the formatting to “Rounded number”, enter “ days” as unit and hit “Done”



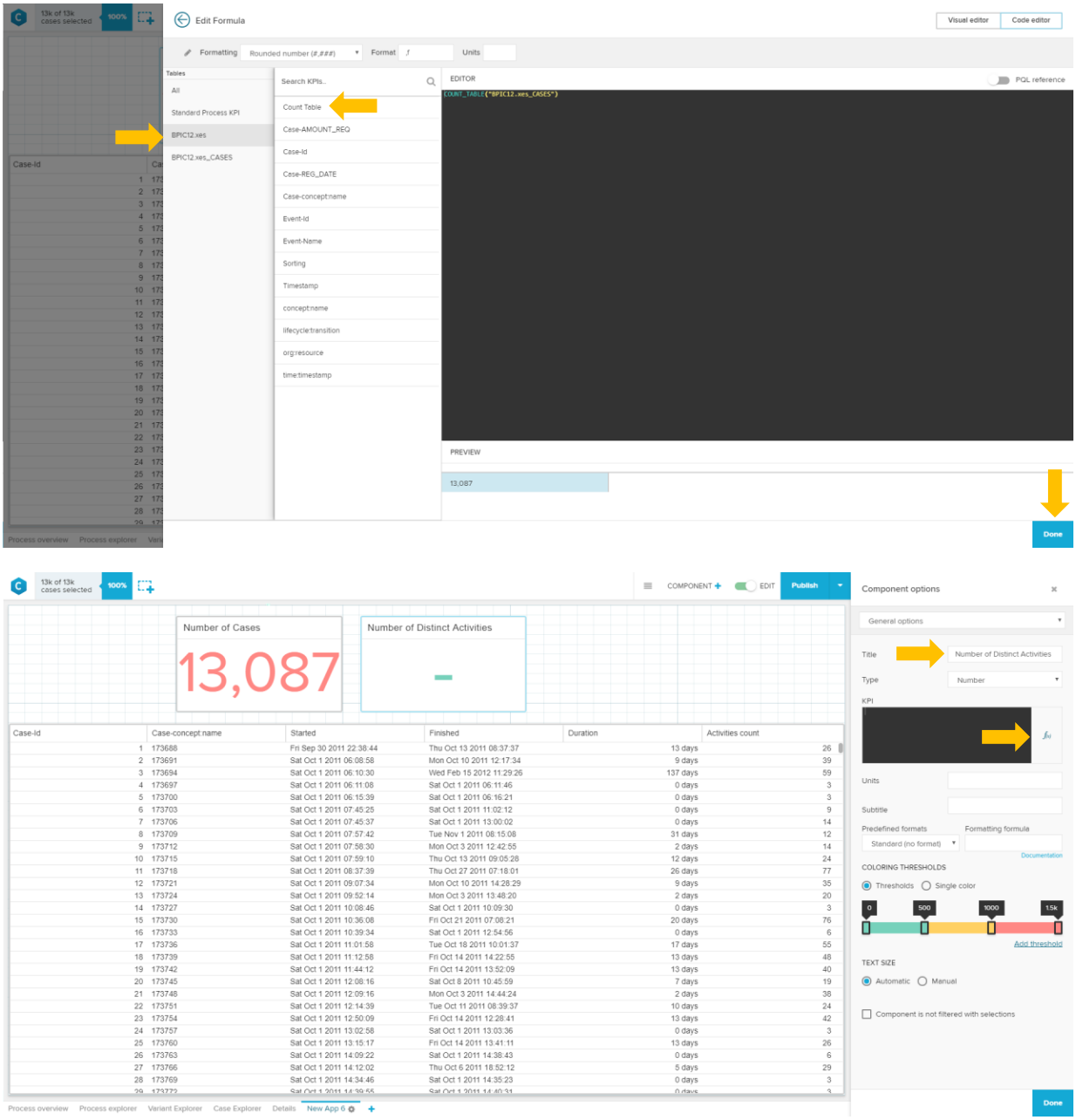
19. Select “Activities count” as a KPI and click on “Done”



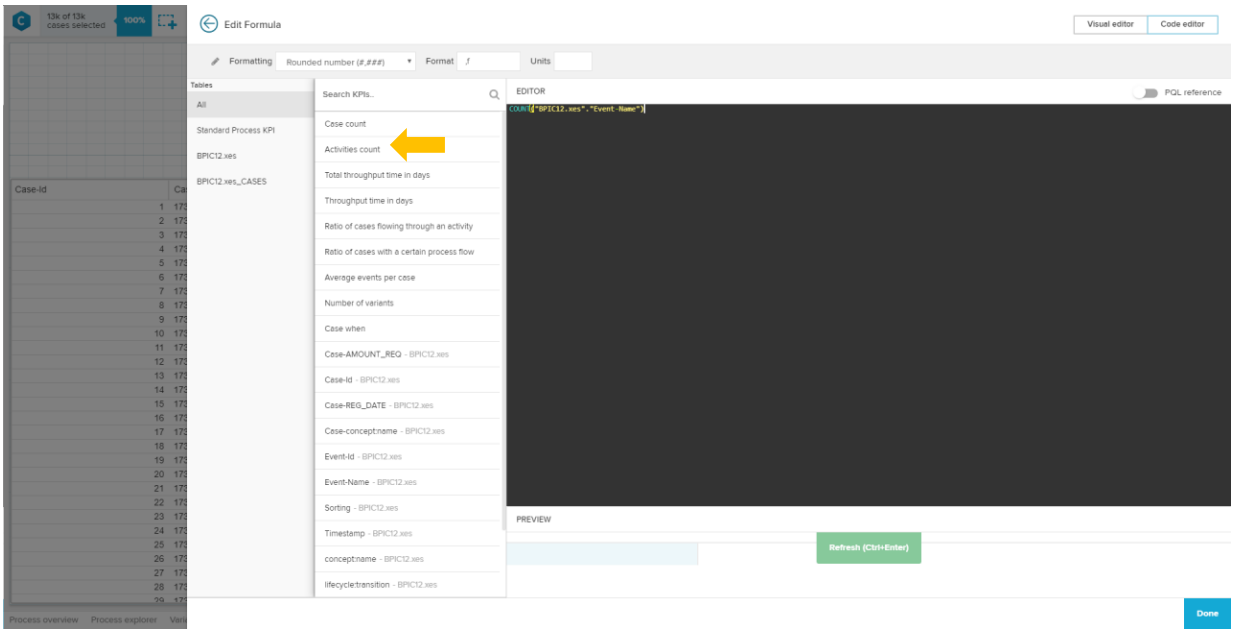
20. Make room for the “Single KPI” fields and add a “Single KPI” through drag and drop



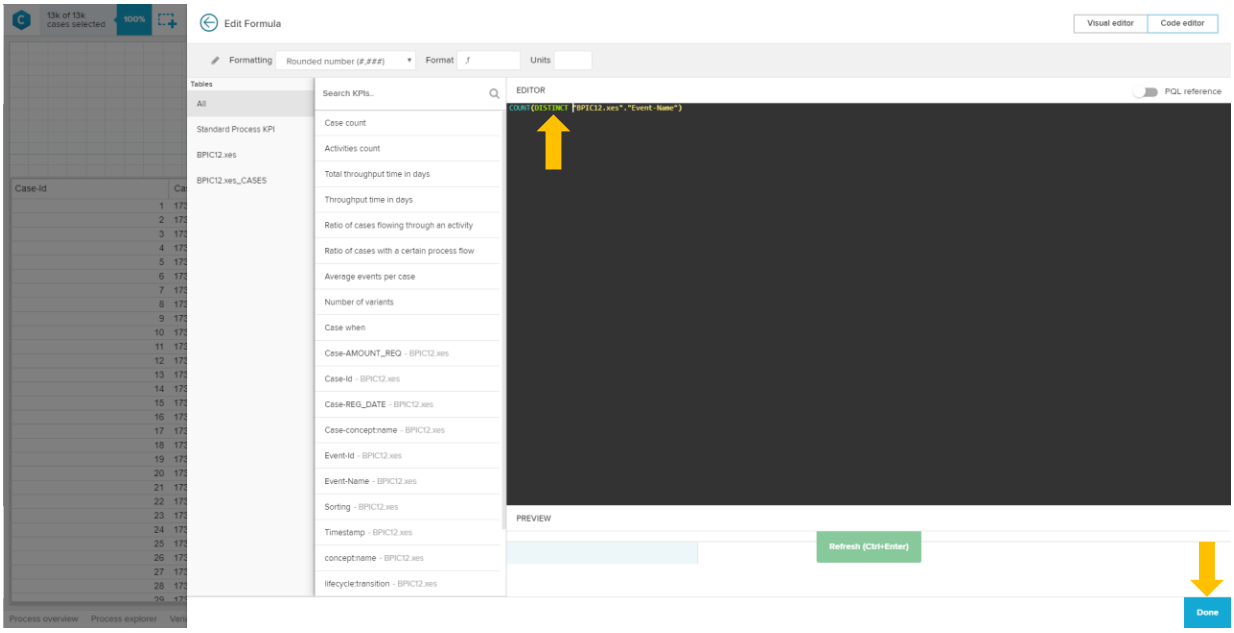
21. Assign a title to the “Single KPI” field and klick on “f(x)” to add a formula



22. Add another “Single KPI” through drag and drop, name it and click on f(x) to add a formula

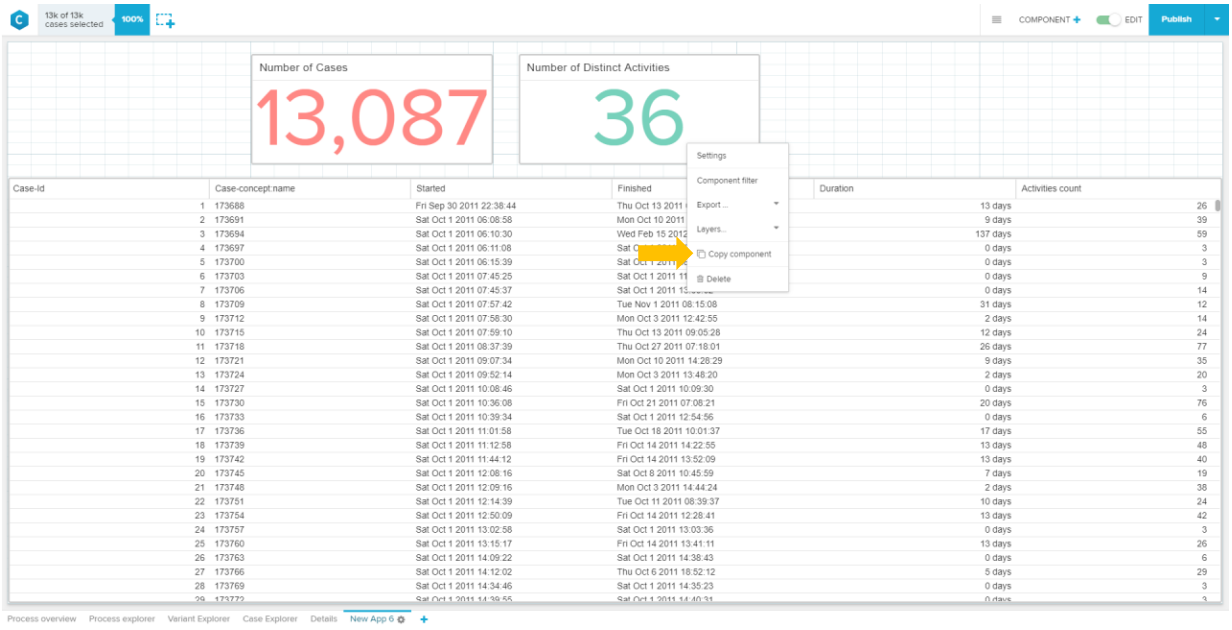


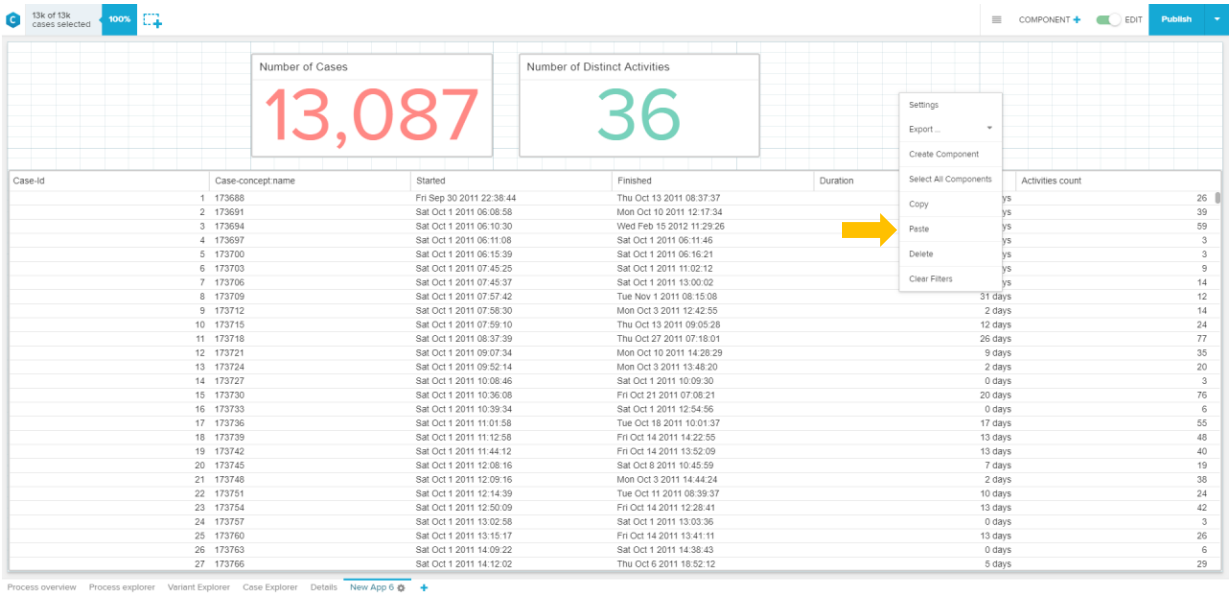
23. Select “Activities Count” – do NOT hit “Done” yet!

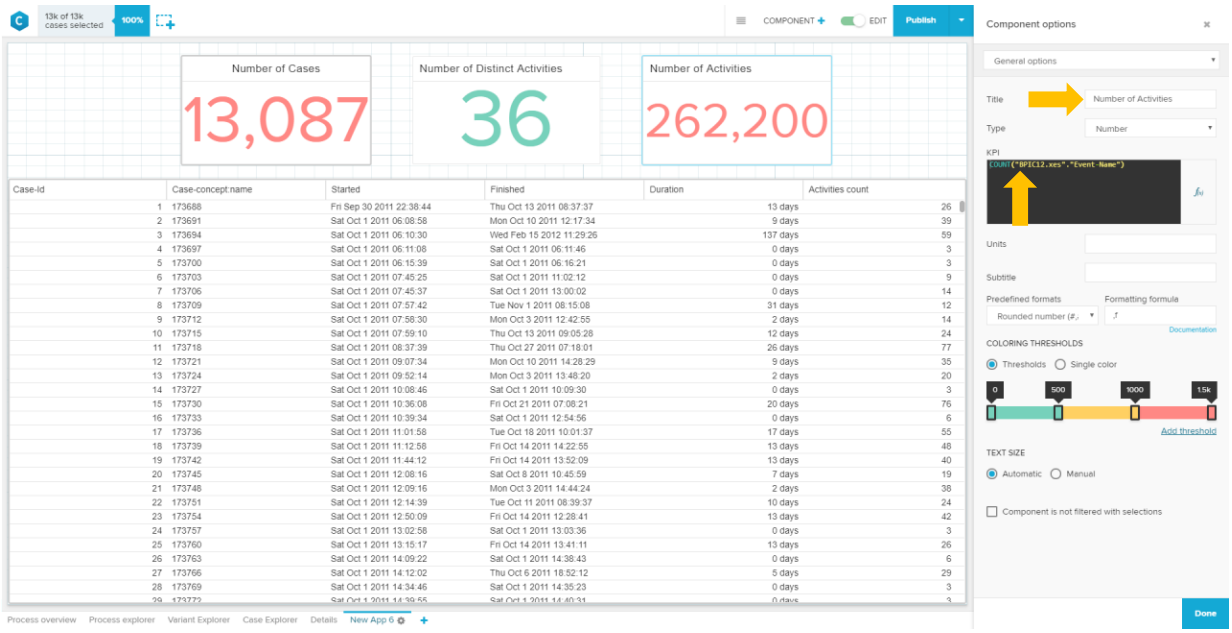


24. To count only the distinct cases, write “DISTINCT” into the marked part of the formula and hit “Done”

25. To display the total number of activities, we will simply copy the created KPI and adapt it. (right click to copy and paste)

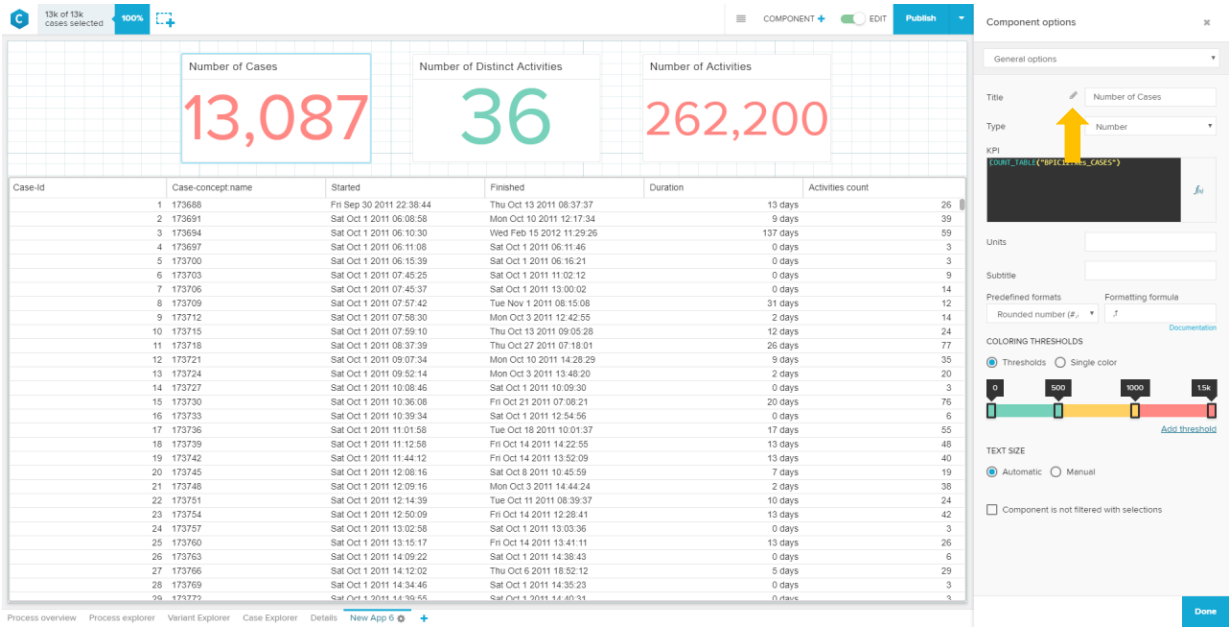




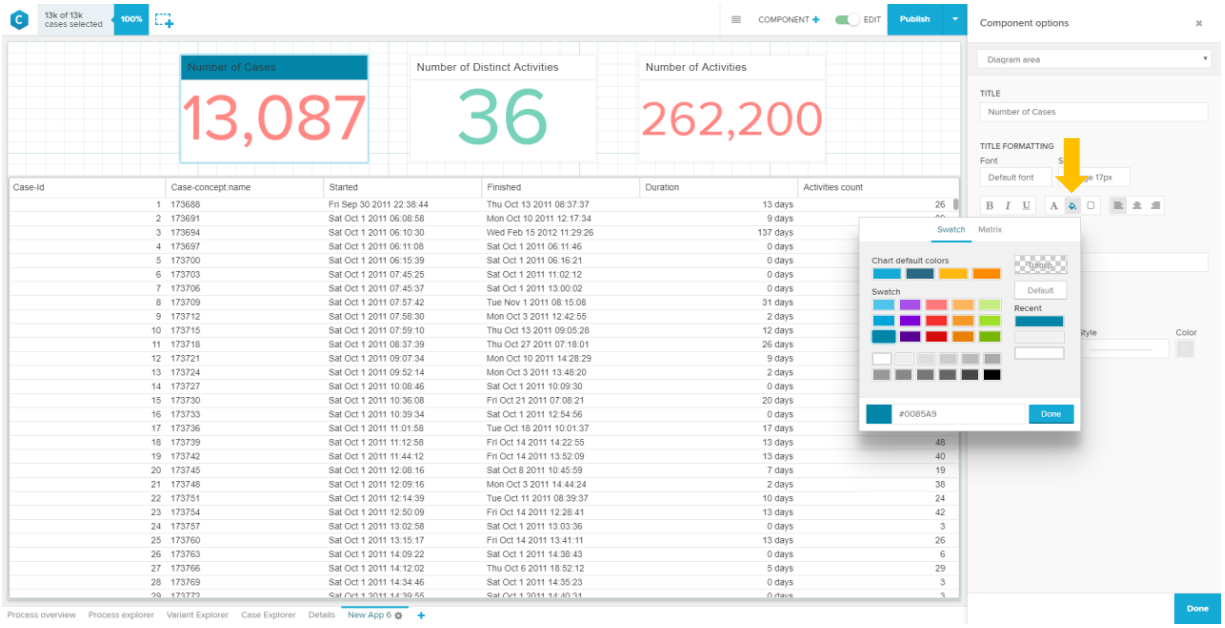


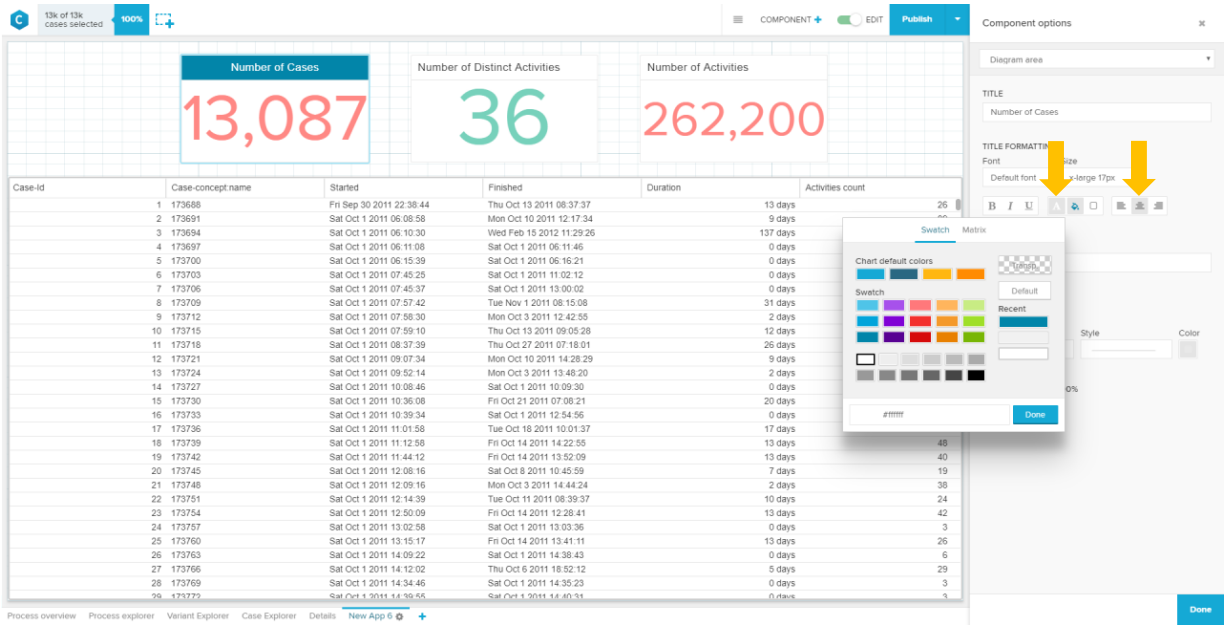
26. Delete the “Distinct” in the title and delete the “DISTINCT” in the formula too.

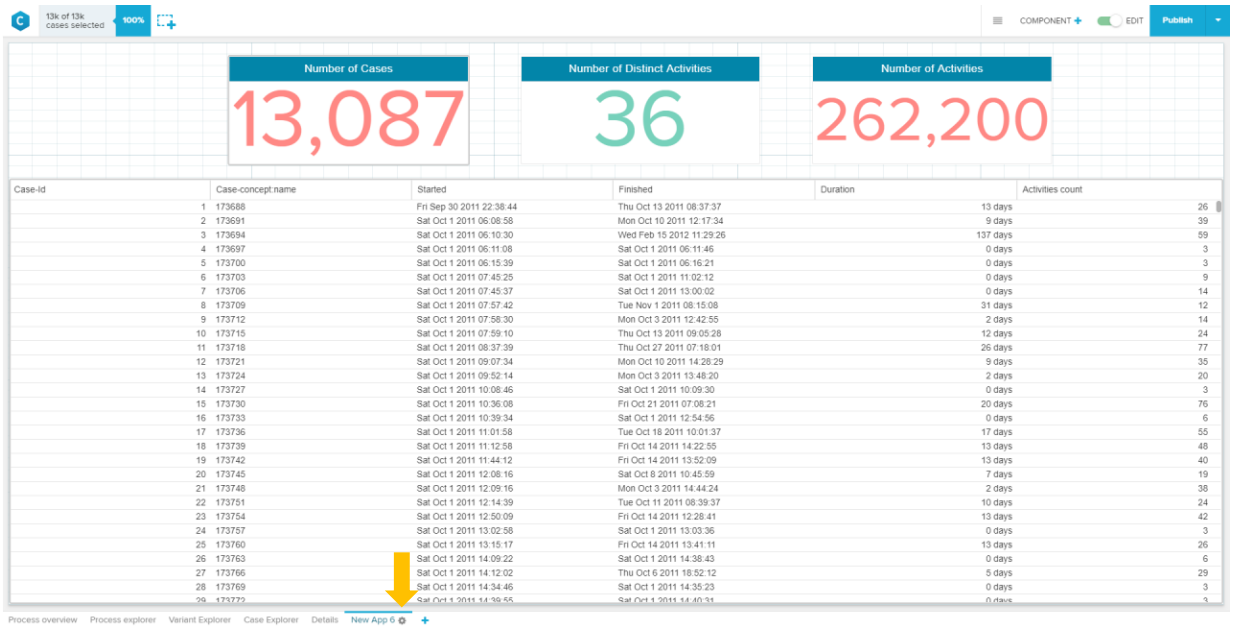
27. The next steps will show how to do the formatting:



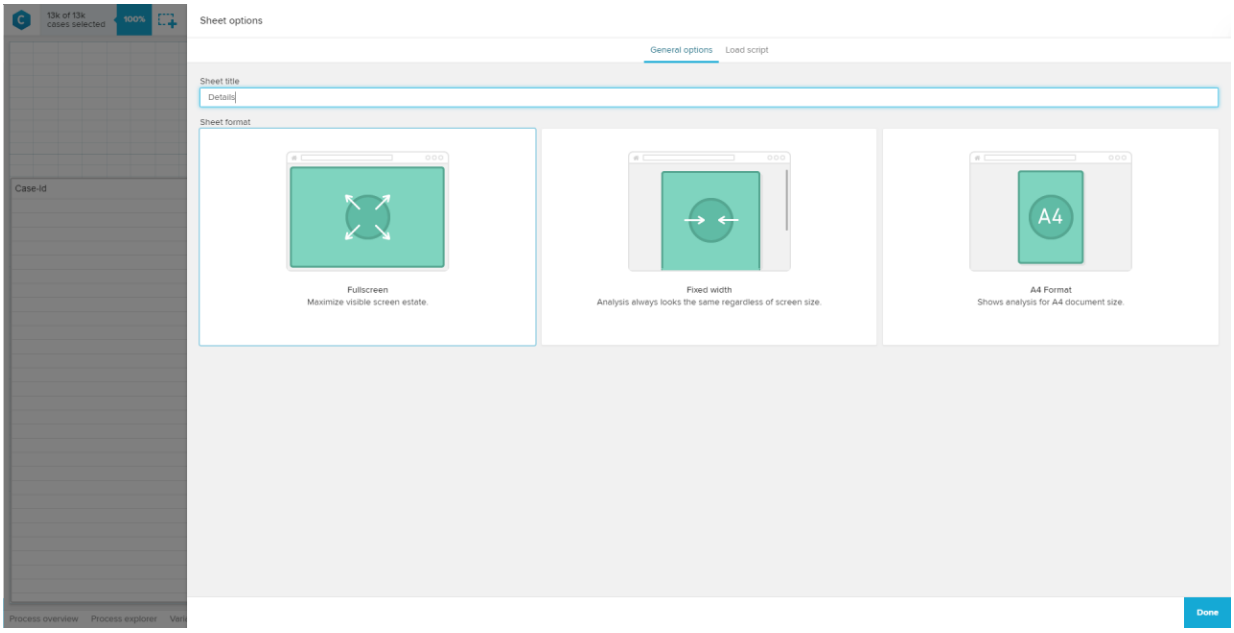
IMPORT


Number of Cases
13,087
Number of Distinct Activities
36
Number of Activities
262,200
Component options
Publish
Done

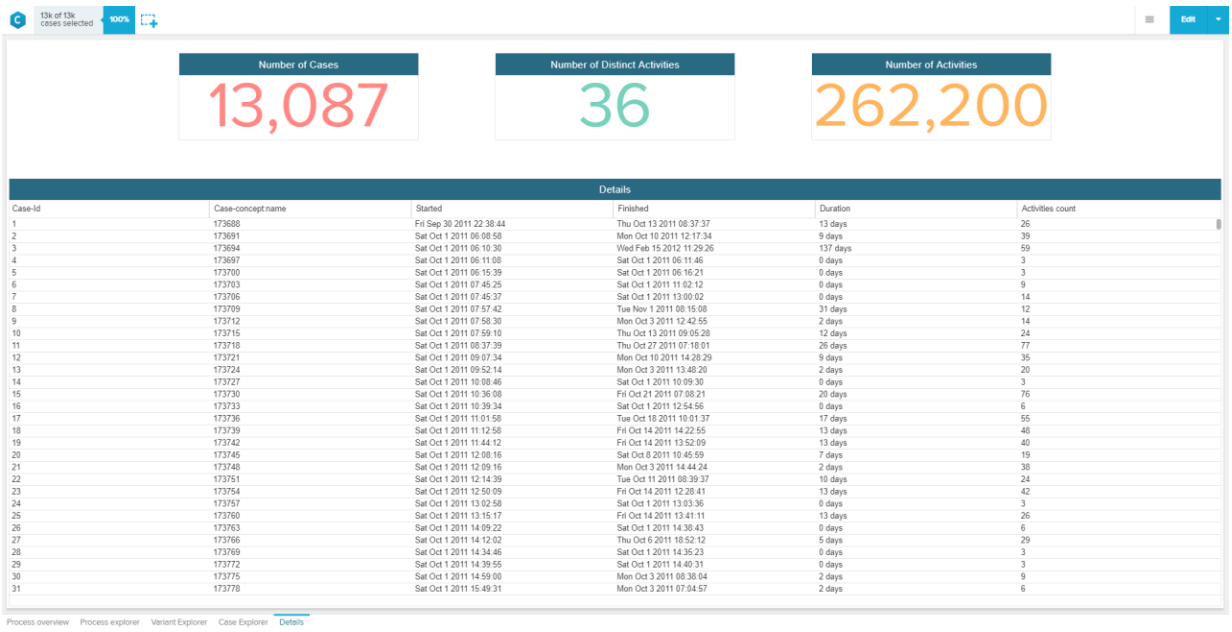

Number of Cases
13,087
Number of Distinct Activities
36
Number of Activities
262,200
Component options
Publish
Done



28. Klick on the cogwheel to change the title of the sheet

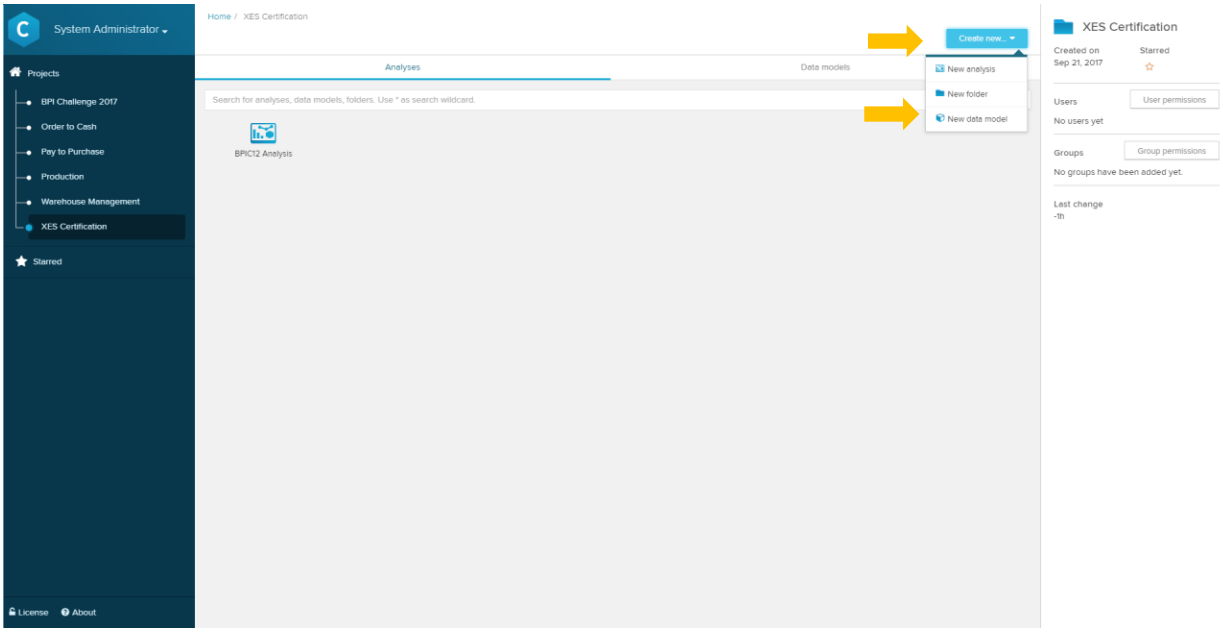


After all the formatting is done, the sheet should look like this:

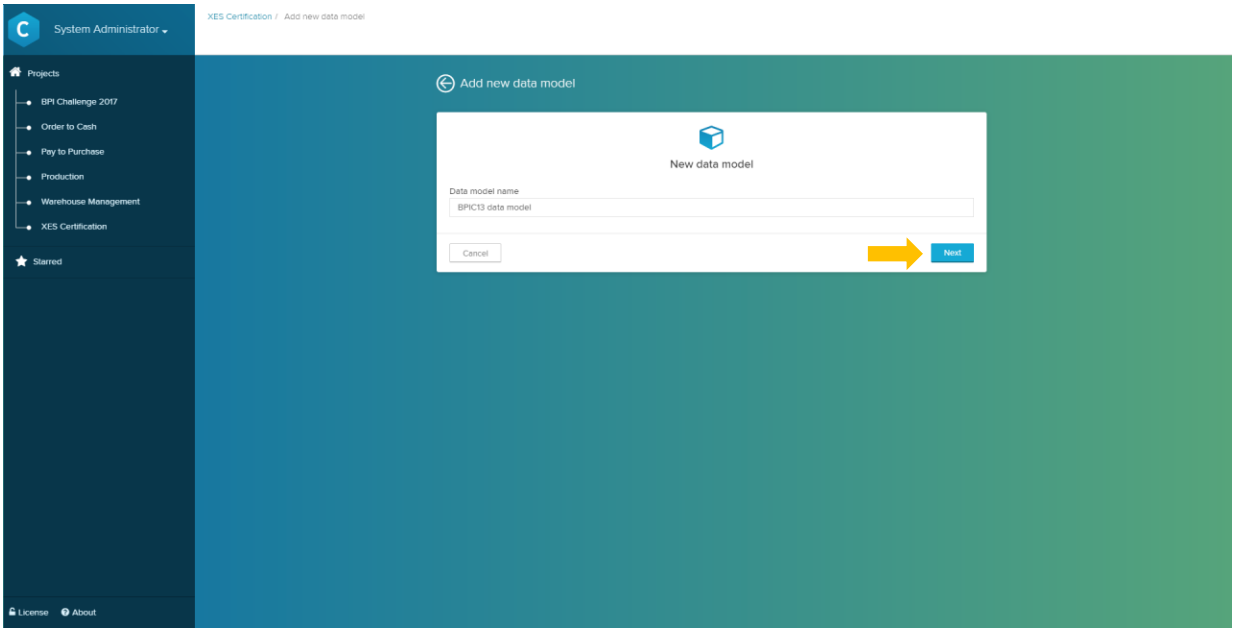


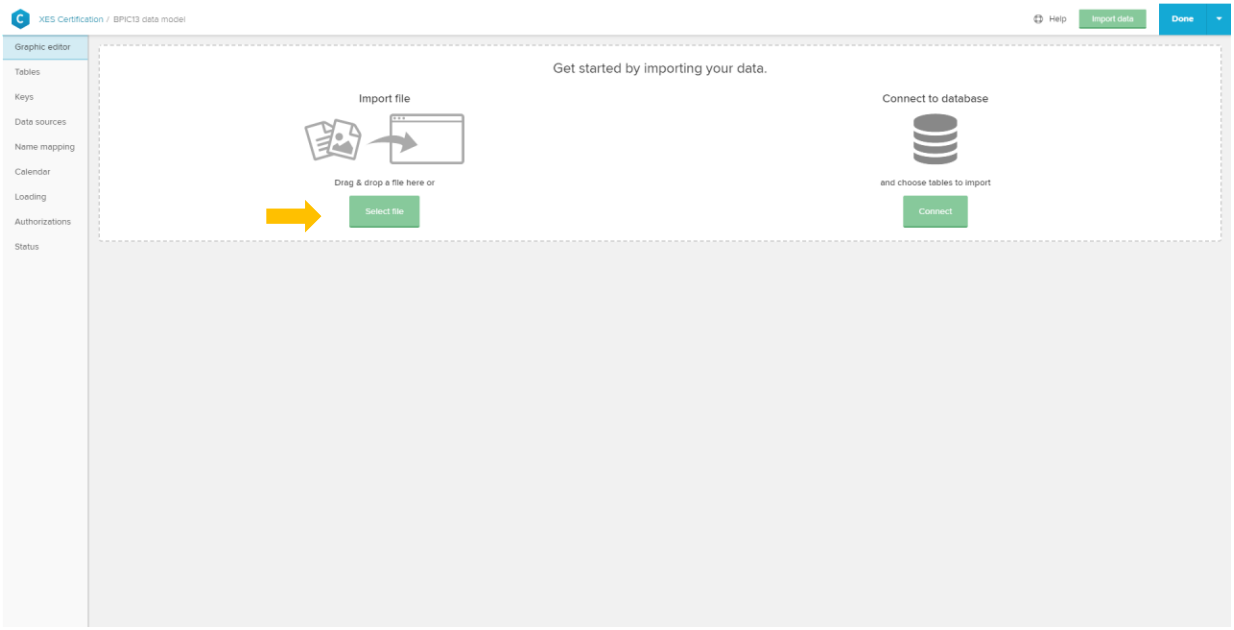
This overview and the process graph show, that the log was imported successfully.

BPIC13_closed_problems

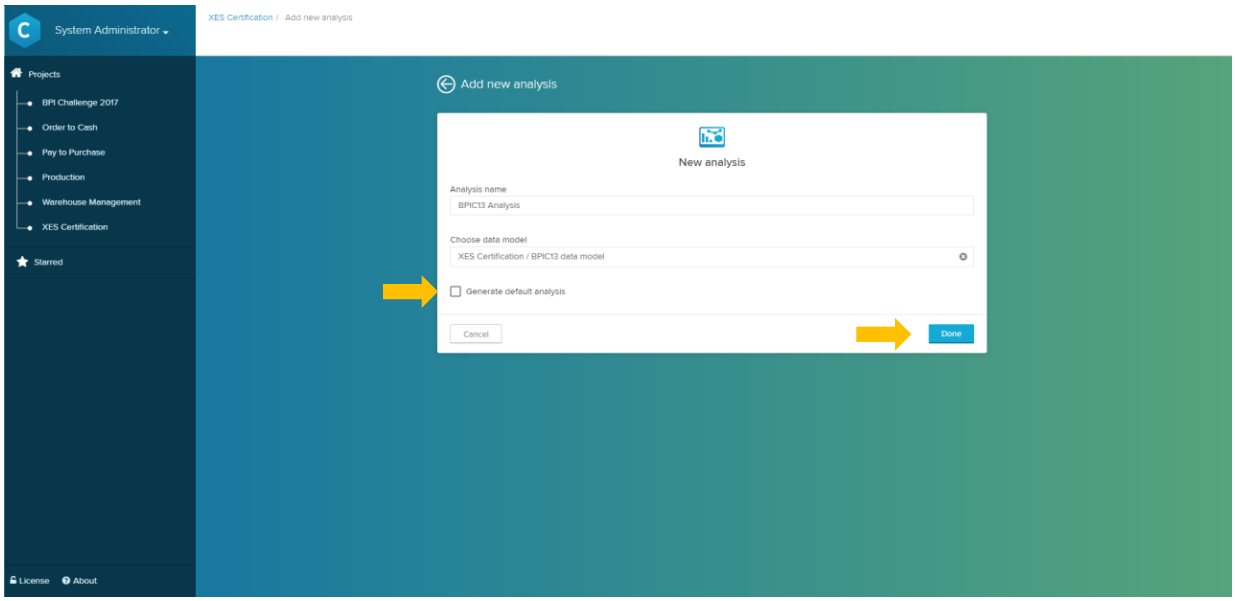


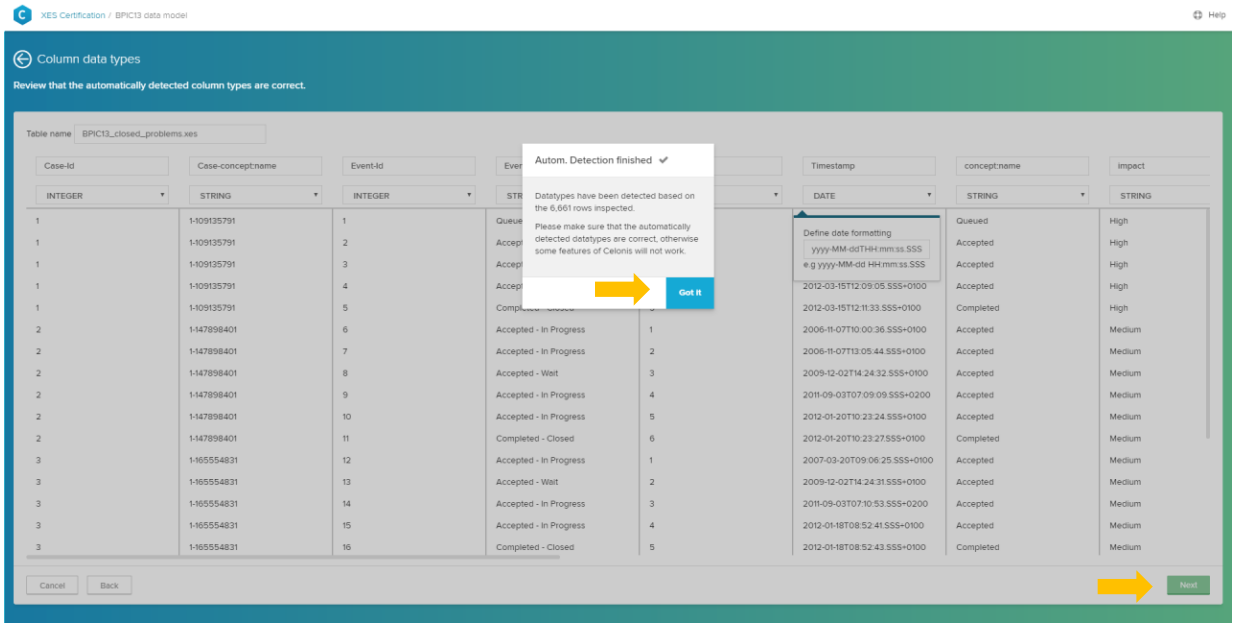
IMPORT


System Administrator
XES Certification / Add new data model
Projects
BPI Challenge 2017
Order to Cash
Pay to Purchase
Production
Warehouse Management
XES Certification
Starred
License
About
Add new data model
New data model
Data model name
BPIC13 data model
Cancel
Next

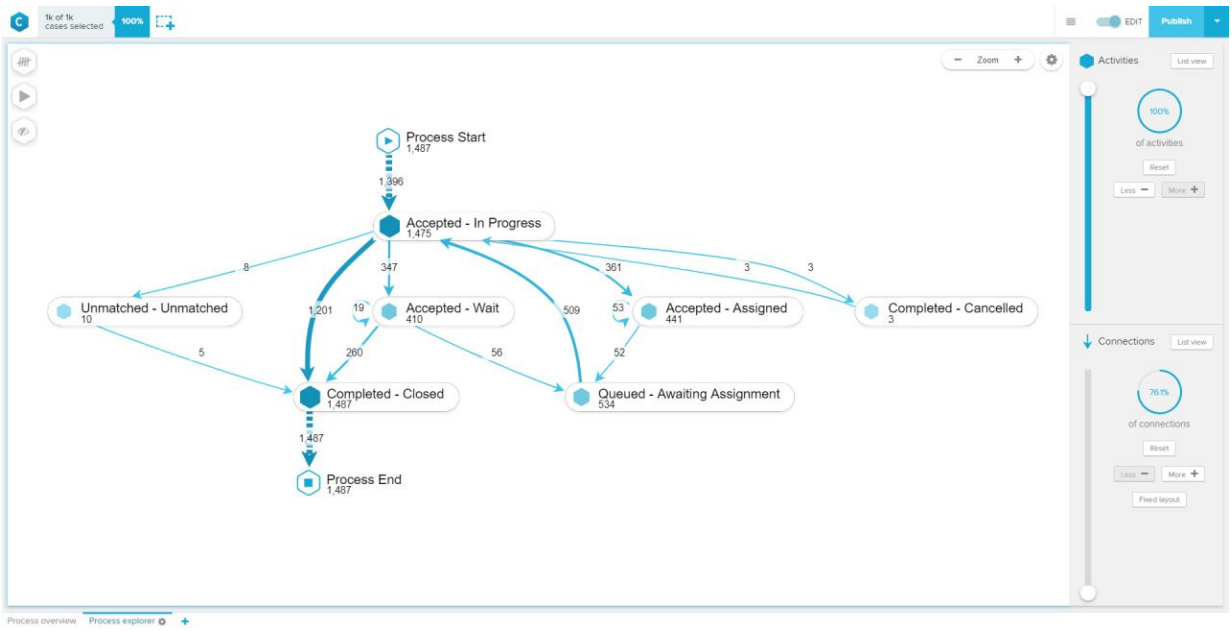

XES Certification / BPIC13 data model
Help
Import data
Done
Graphic editor
Tables
Keys
Data sources
Name mapping
Calendar
Loading
Authorizations
Status
Get started by importing your data.
Import file
Drag & drop a file here or
Select file
Connect to database
and choose tables to import
Connect

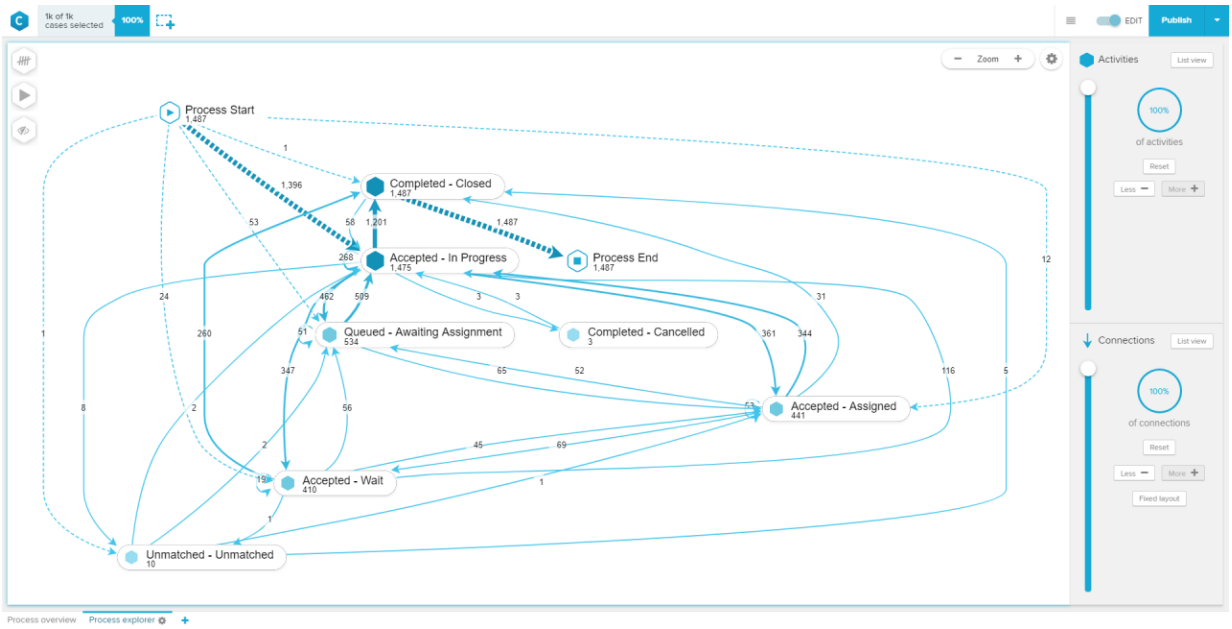
IMPORT

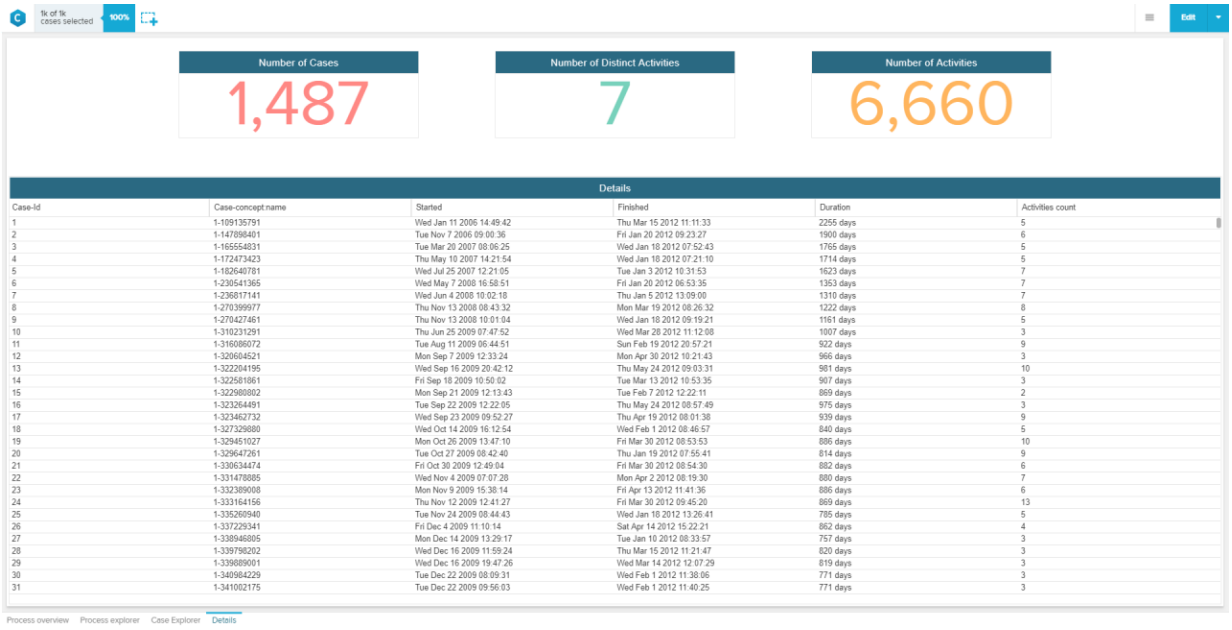

System Administrator
XES Certification / Add new analysis
Projects
BPI Challenge 2017
Order to Cash
Pay to Purchase
Production
Warehouse Management
XES Certification
Starred
License
About
Add new analysis
New analysis
Analysis name
BPIC13 Analysis
Choose data model
XES Certification / BPIC13 data model
Generate default analysis
Cancel
Done


XES Certification / BPIC13 data model
Help
Column data types
Review that the automatically detected column types are correct.
Table name
BPIC13_closed_problems.xes
Autom. Detection finished
Datatypes have been detected based on the 6,661 rows inspected.
Please make sure that the automatically detected datatypes are correct, otherwise some features of Celonis will not work.
Got it
Define date formatting
yyyy-MM-ddTHH:mm:ss.SSS
e.g yyyy-MM-dd HH:mm:ss.SSS
Cancel
Back
Next

IMPORT

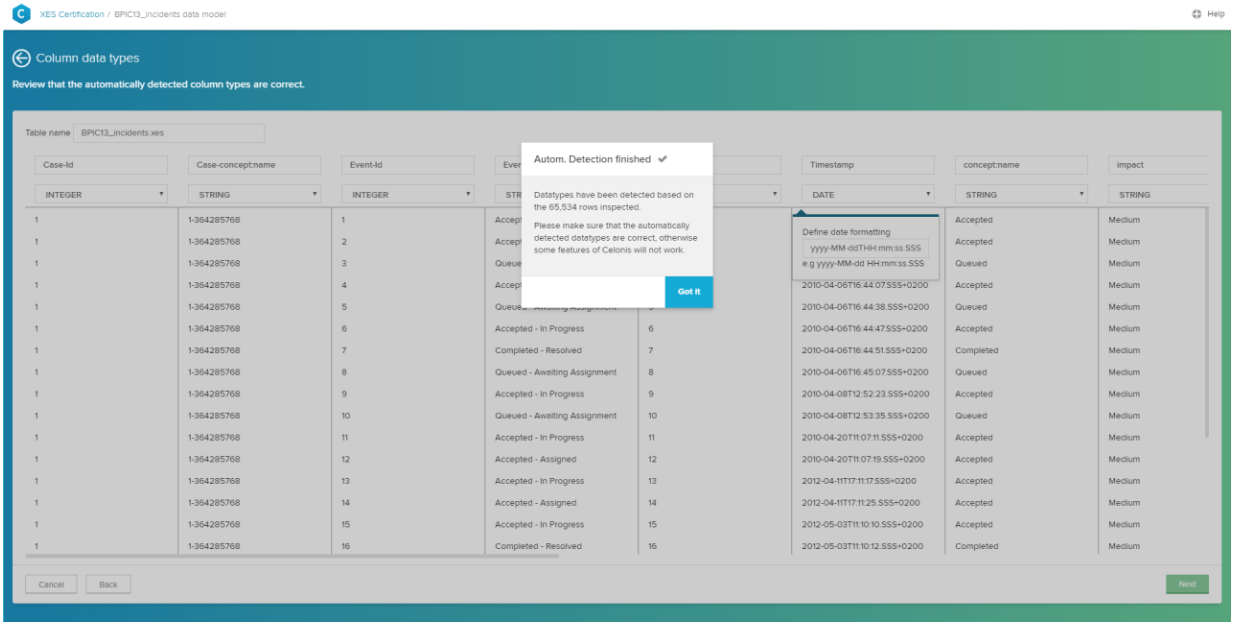

Process Start
1,487
1,396
Accepted - In Progress
1,475
8
347
361
3
3
Unmatched - Unmatched
10
1,201
19
Accepted - Wait
410
509
53
Accepted - Assigned
441
Completed - Cancelled
3
5
260
56
52
Completed - Closed
1,487
Queued - Awaiting Assignment
534
1,487
Process End
1,487
Activities
100%
of activities
Connections
76.1%
of connections


Process Start
1,487
1
1,396
Completed - Closed
1,487
53
56
1,201
1,487
Process End
1,487
268
Accepted - In Progress
1,475
12
24
462
509
3
3
31
1
260
51
Queued - Awaiting Assignment
534
Completed - Cancelled
3
361
344
347
65
52
116
5
8
2
56
53
Accepted - Assigned
441
2
45
69
19
Accepted - Wait
410
1
1
Unmatched - Unmatched
10
Activities
100%
of activities
Connections
100%
of connections

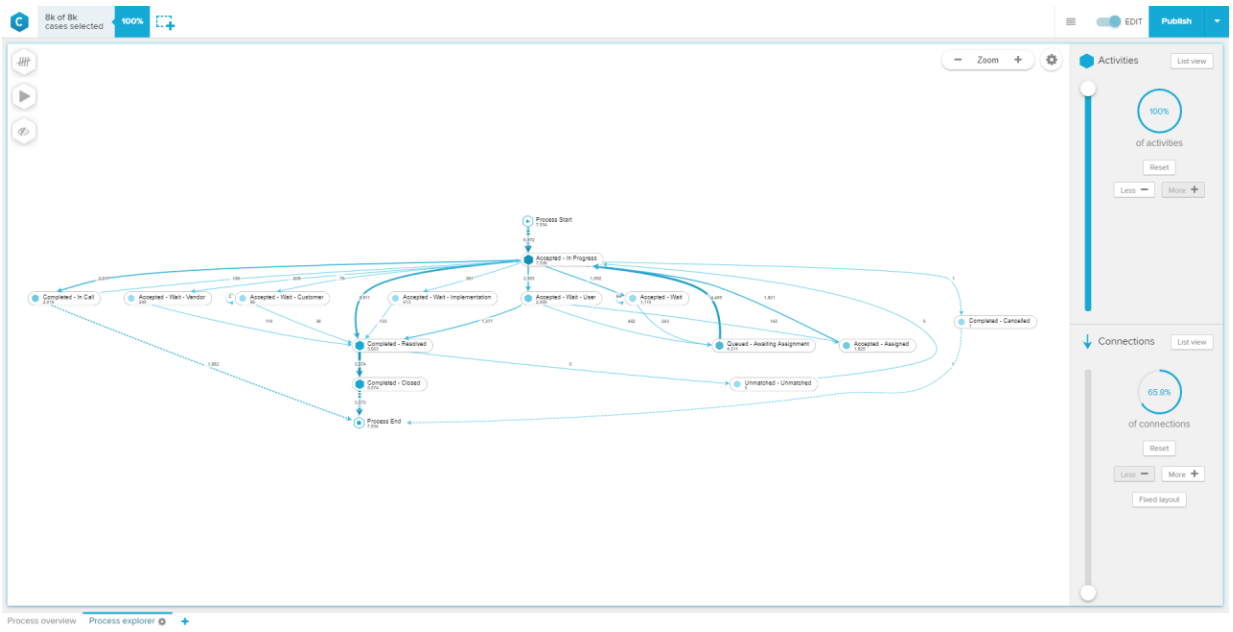


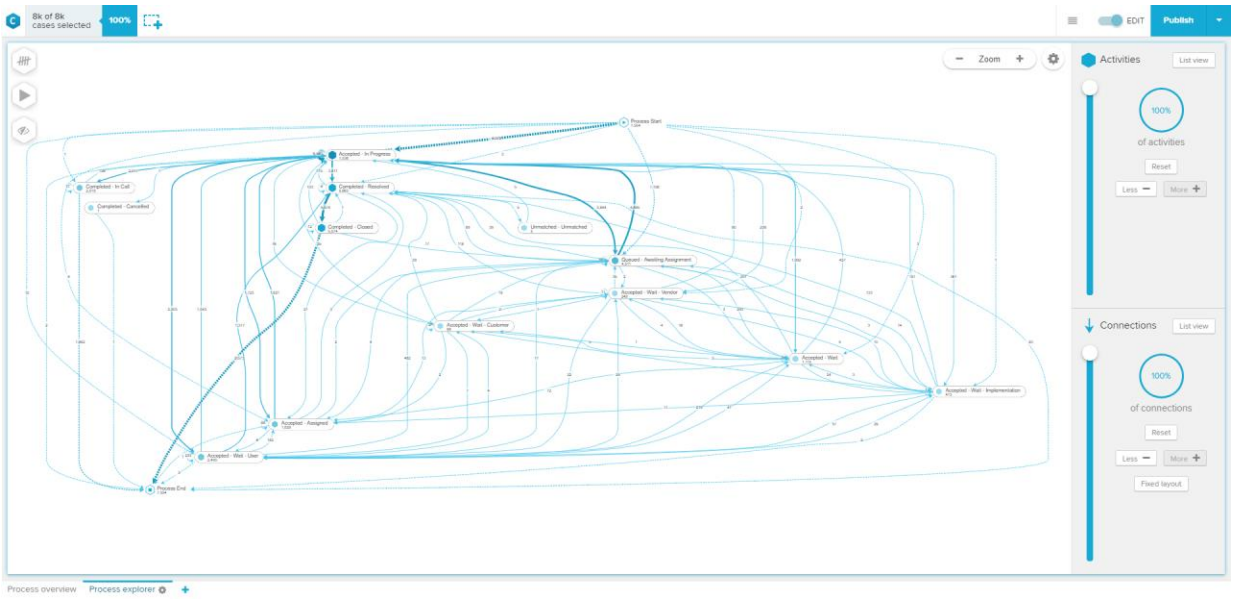
This overview and the process graph show, that the log was imported successfully.

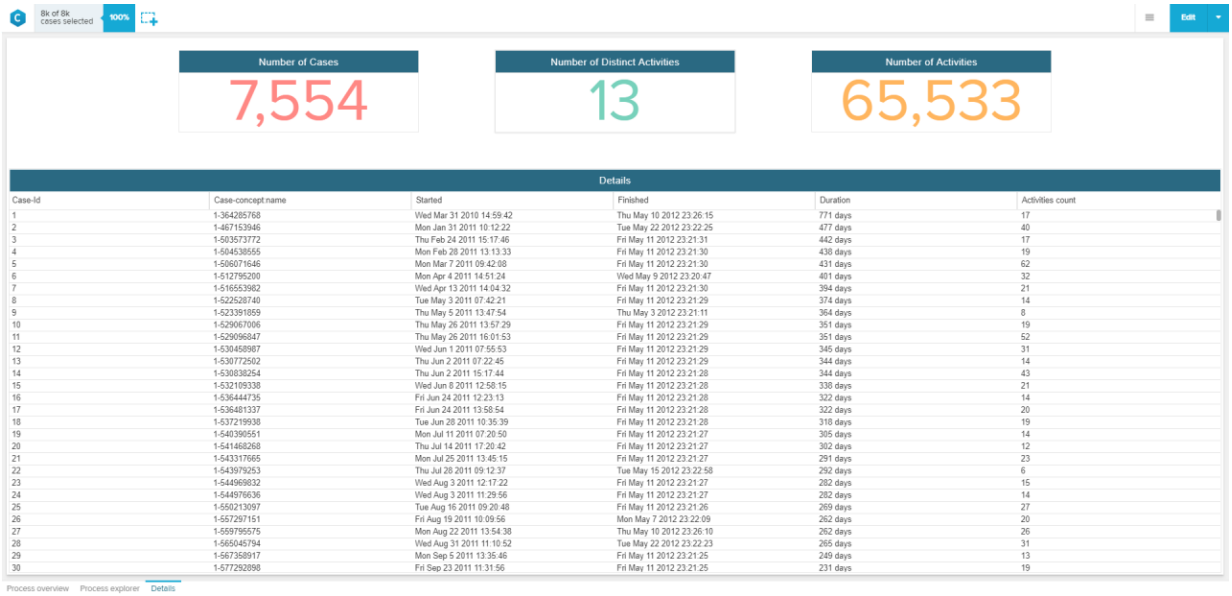
BPIC13_incidents



IMPORT

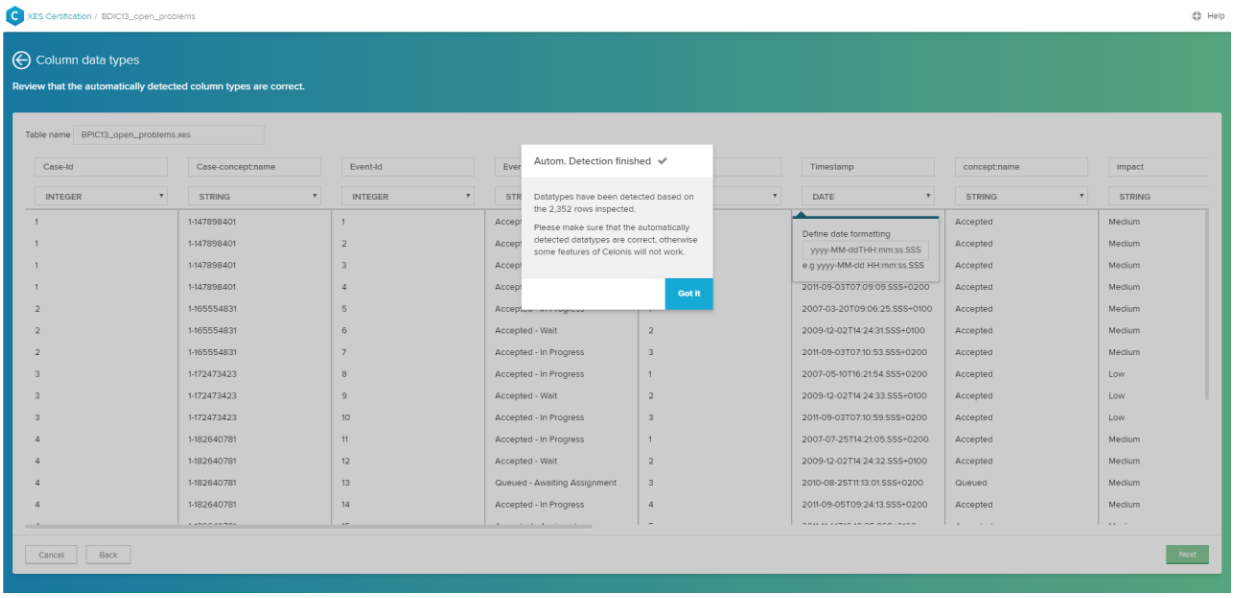

8k of 8k cases selected
100%
EDIT
Publish
Zoom
Activities
List view
100%
of activities
Reset
Less
More
Connections
List view
65.8%
of connections
Reset
Less
More
Fixed layout
Process overview
Process explorer


8k of 8k cases selected
100%
EDIT
Publish
Zoom
Activities
List view
100%
of activities
Reset
Less
More
Connections
List view
100%
of connections
Reset
Less
More
Fixed layout
Process overview
Process explorer

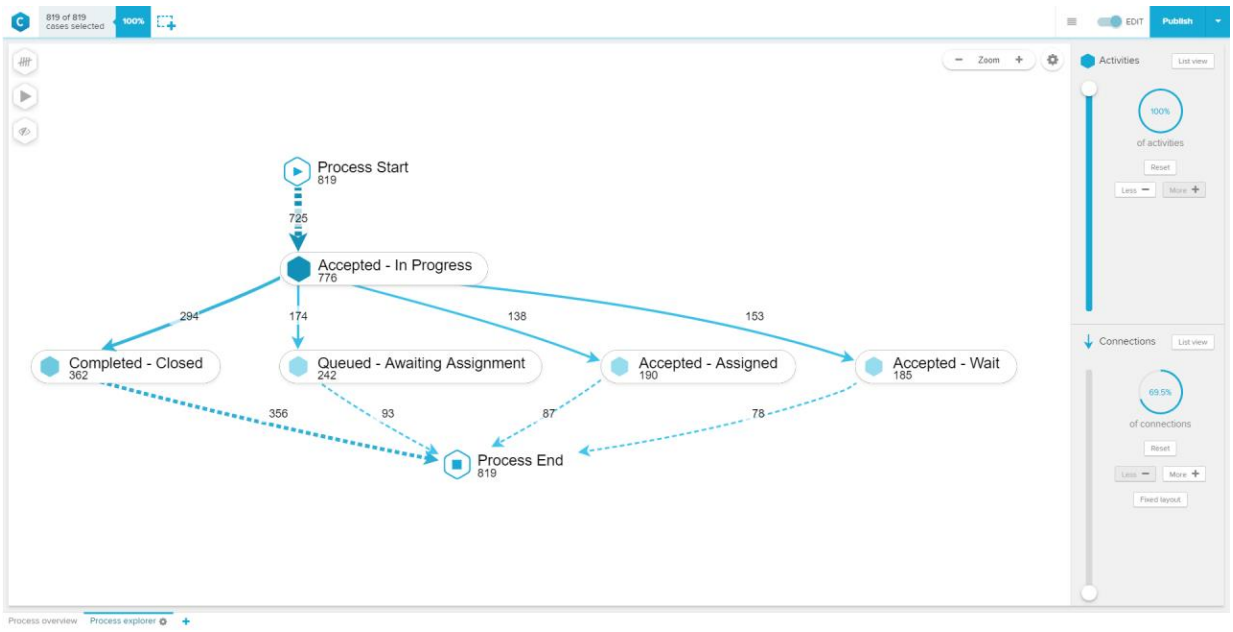


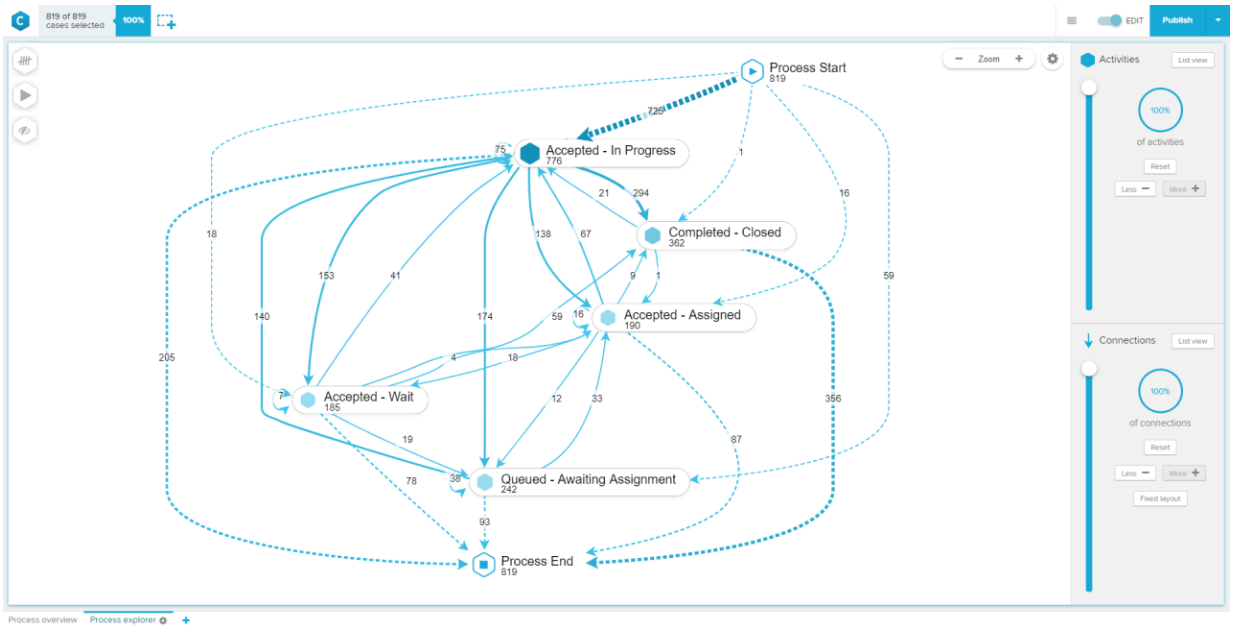
This overview and the process graph show, that the log was imported successfully.

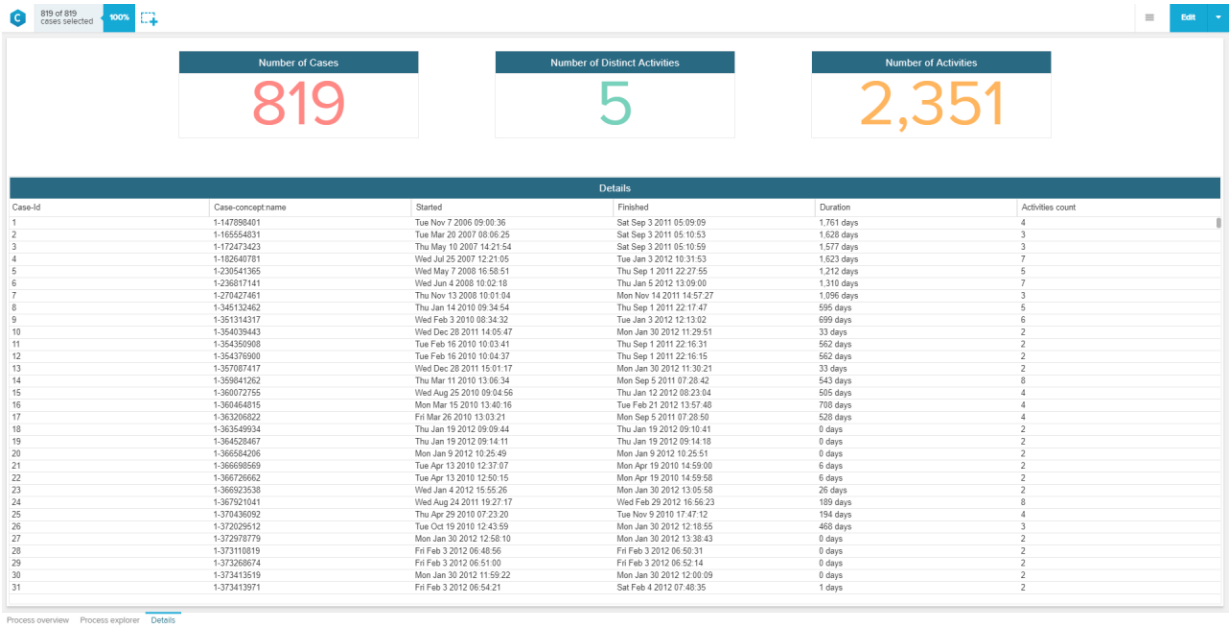
BPIC13_open_problems



IMPORT


819 of 819 cases selected
100%
EDIT
Publish
Zoom
Activities
List view
100%
of activities
Reset
Less
More
Process Start
819
725
Accepted - In Progress
776
294
174
138
153
Completed - Closed
362
Queued - Awaiting Assignment
242
Accepted - Assigned
190
Accepted - Wait
185
356
93
87
78
Process End
819
Connections
List view
69.5%
of connections
Reset
Less
More
Fixed layout
Process overview
Process explorer


819 of 819 cases selected
100%
EDIT
Publish
Zoom
Activities
List view
100%
of activities
Reset
Less
More
Process Start
819
725
75
Accepted - In Progress
776
1
21
294
16
18
138
67
Completed - Closed
362
153
41
9
1
59
140
174
59
16
Accepted - Assigned
190
205
4
18
7
Accepted - Wait
185
12
33
356
19
87
78
38
Queued - Awaiting Assignment
242
93
Process End
819
Connections
List view
100%
of connections
Reset
Less
More
Fixed layout
Process overview
Process explorer



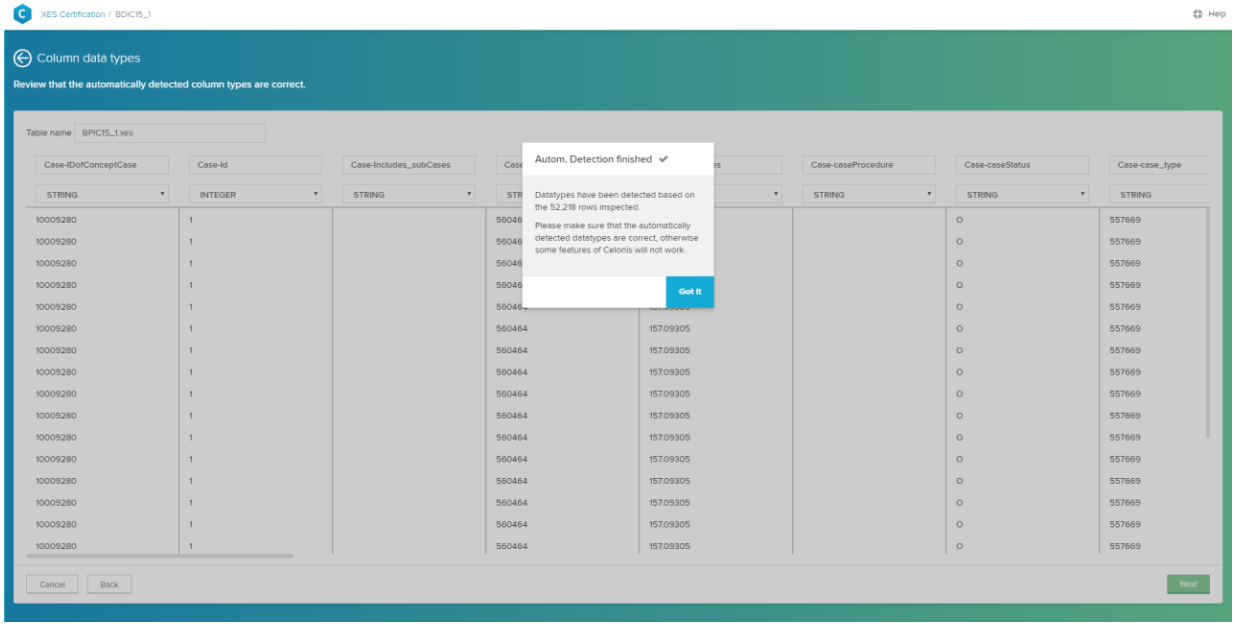
Case-Id	Case-concept:name	Started	Finished	Duration	Activities count
1	1-147898401	Tue Nov 7 2006 09:00:36	Sat Sep 3 2011 05:09:09	1,761 days	4
2	1-165554831	Tue Mar 20 2007 08:06:25	Sat Sep 3 2011 05:10:53	1,628 days	3
3	1-172473423	Thu May 10 2007 14:21:54	Sat Sep 3 2011 05:10:59	1,577 days	3
4	1-182640781	Wed Jul 25 2007 12:21:05	Tue Jan 3 2012 10:31:53	1,623 days	7
5	1-230541365	Wed May 7 2008 16:58:51	Thu Sep 1 2011 22:27:55	1,212 days	5
6	1-236817141	Wed Jun 4 2008 10:02:18	Thu Jan 5 2012 13:09:00	1,310 days	7
7	1-270427461	Thu Nov 13 2008 10:01:04	Mon Nov 14 2011 14:57:27	1,096 days	3
8	1-345132462	Thu Jan 14 2010 09:34:54	Thu Sep 1 2011 22:17:47	595 days	5
9	1-351314317	Wed Feb 3 2010 08:34:32	Tue Jan 3 2012 12:13:02	699 days	6
10	1-354039443	Wed Dec 28 2011 14:05:47	Mon Jan 30 2012 11:29:51	33 days	2
11	1-354350908	Tue Feb 16 2010 10:03:41	Thu Sep 1 2011 22:16:31	562 days	2
12	1-354376900	Tue Feb 16 2010 10:04:37	Thu Sep 1 2011 22:16:15	562 days	2
13	1-357087417	Wed Dec 28 2011 15:01:17	Mon Jan 30 2012 11:30:21	33 days	2
14	1-359041262	Thu Mar 11 2010 13:06:34	Mon Sep 5 2011 07:28:42	543 days	6
15	1-360072755	Wed Aug 25 2010 09:04:56	Thu Jan 12 2012 08:23:04	505 days	4
16	1-360464815	Mon Mar 15 2010 13:40:16	Tue Feb 21 2012 13:57:48	708 days	4
17	1-363206822	Fri Mar 26 2010 13:03:21	Mon Sep 5 2011 07:28:50	528 days	4
18	1-363549934	Thu Jan 19 2012 09:09:44	Thu Jan 19 2012 09:10:41	0 days	2
19	1-364528467	Thu Jan 19 2012 09:14:11	Thu Jan 19 2012 09:14:18	0 days	2
20	1-366584206	Mon Jan 9 2012 10:25:49	Mon Jan 9 2012 10:25:51	0 days	2
21	1-366698569	Tue Apr 13 2010 12:37:07	Mon Apr 19 2010 14:59:08	6 days	2
22	1-366726662	Tue Apr 13 2010 12:50:15	Mon Apr 19 2010 14:59:58	6 days	2
23	1-366923538	Wed Jan 4 2012 15:55:26	Mon Jan 30 2012 13:05:58	26 days	2
24	1-367921041	Wed Aug 24 2011 19:27:17	Wed Feb 29 2012 16:56:23	189 days	8
25	1-370436092	Thu Apr 29 2010 07:23:20	Tue Nov 9 2010 17:47:12	194 days	4
26	1-372029512	Tue Oct 19 2010 12:43:59	Mon Jan 30 2012 12:18:55	468 days	3
27	1-372978779	Mon Jan 30 2012 12:58:10	Mon Jan 30 2012 13:38:43	0 days	2
28	1-373110819	Fri Feb 3 2012 06:48:56	Fri Feb 3 2012 06:50:31	0 days	2
29	1-373268674	Fri Feb 3 2012 06:51:00	Fri Feb 3 2012 06:52:14	0 days	2
30	1-373413519	Mon Jan 30 2012 11:59:22	Mon Jan 30 2012 12:00:09	0 days	2
31	1-373413971	Fri Feb 3 2012 06:54:21	Sat Feb 4 2012 07:48:35	1 days	2

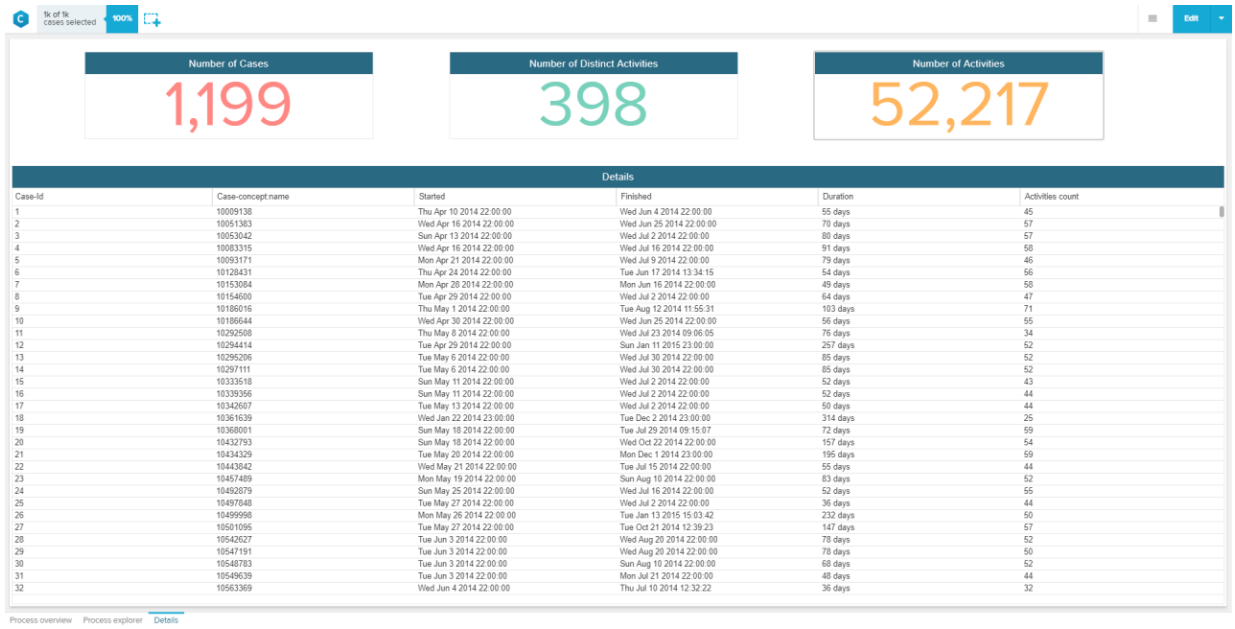
This overview and the process graph show, that the log was imported successfully.

BPIC15_1

The process graph for all BPIC15 with all activities and connections is a large spaghetti model, which is why we did not screenshot it. However, we again have the detailed view to proof the successful import.

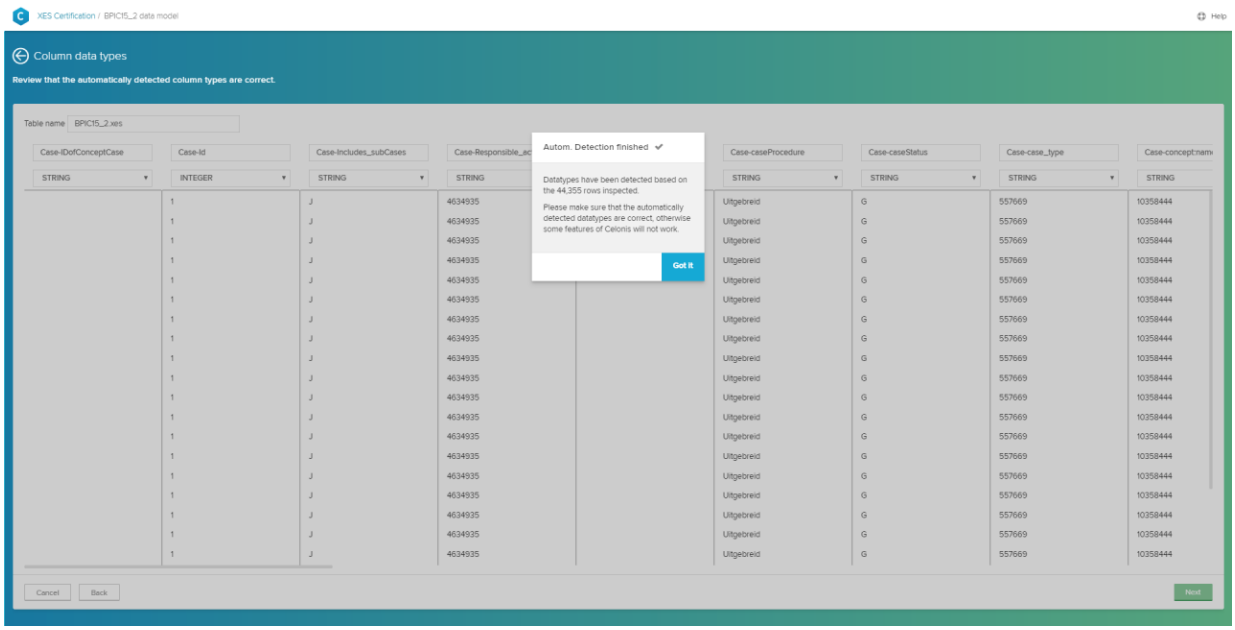
IMPORT

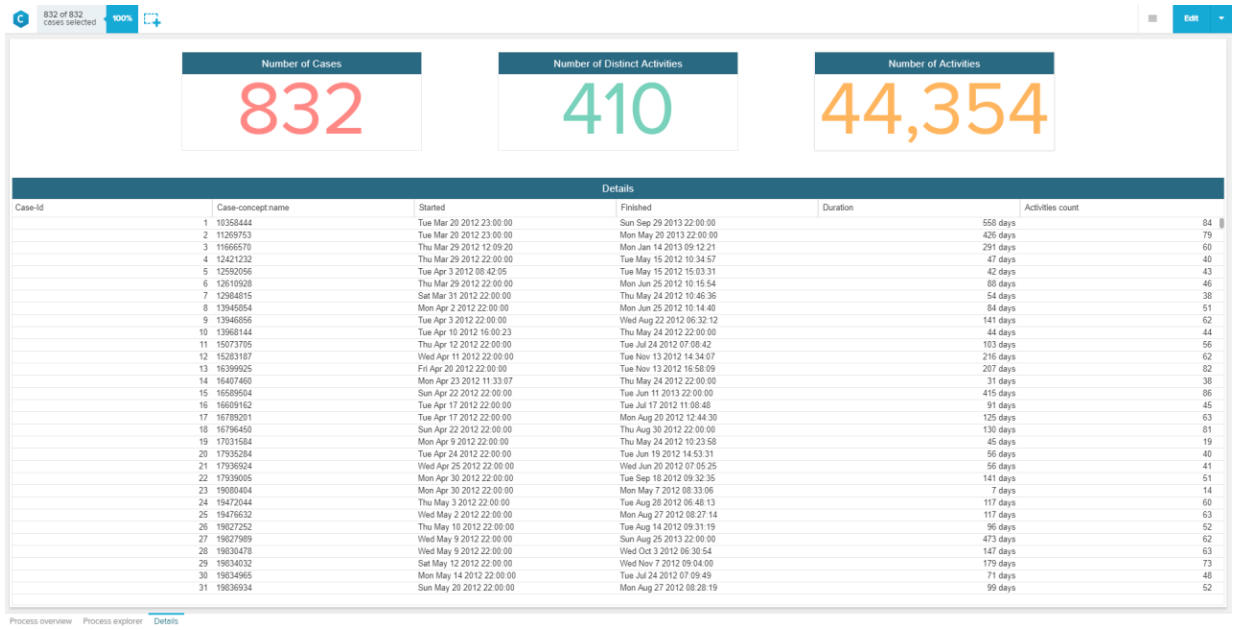




This overview shows, that the log was imported successfully.

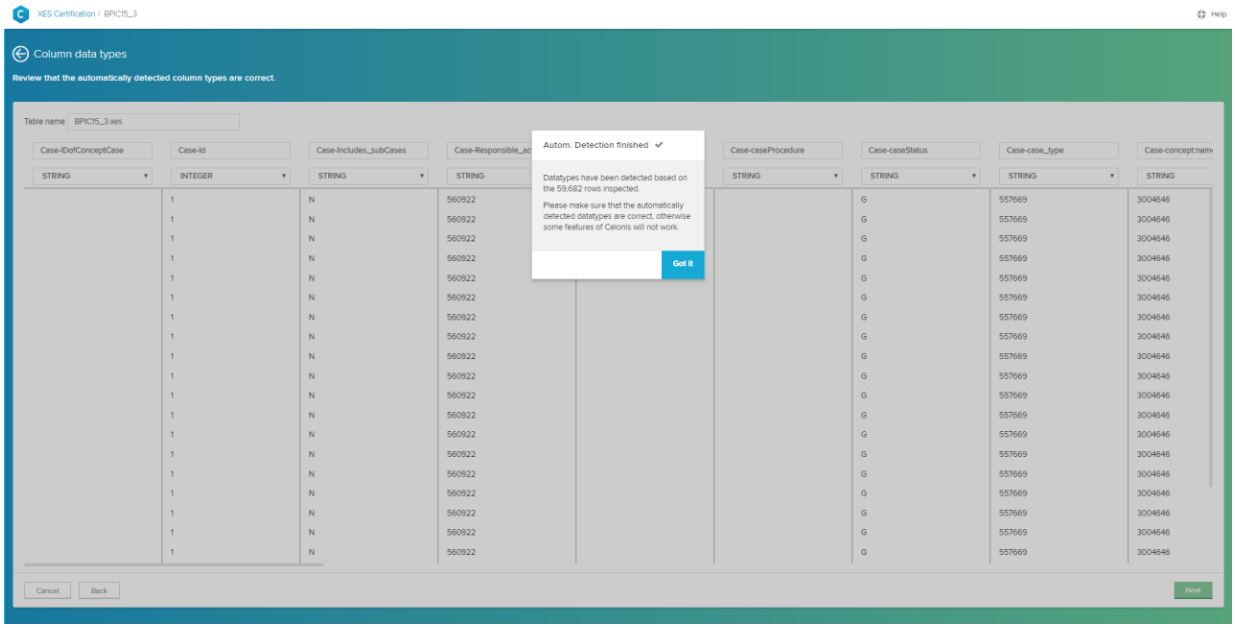
BPIC15_2

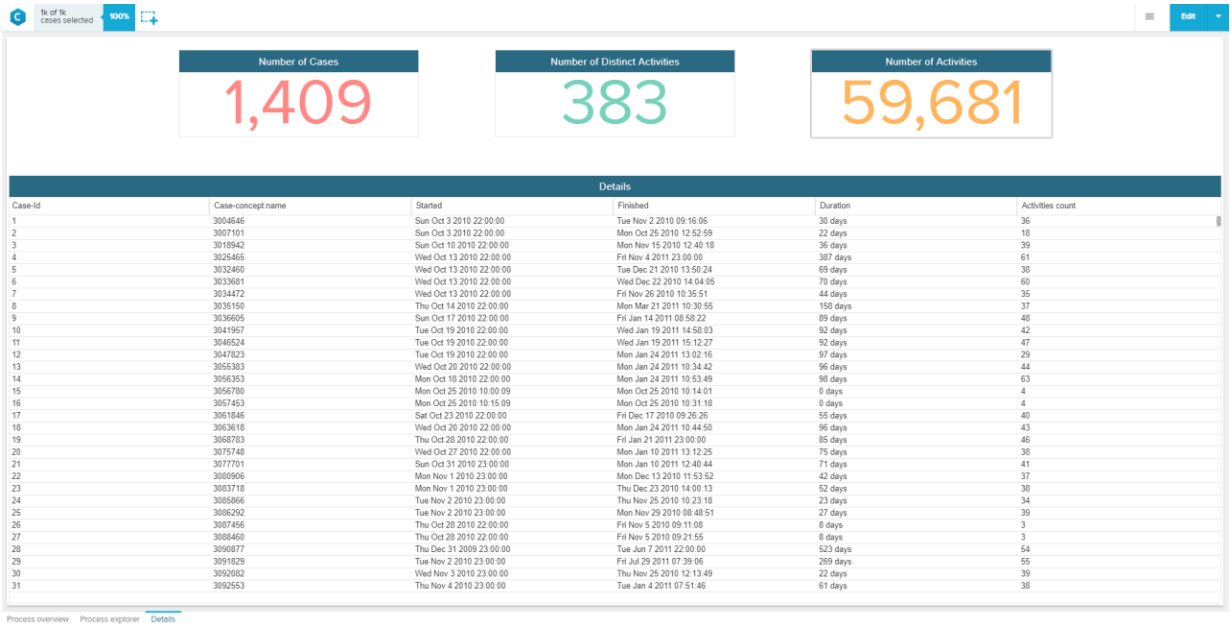




This overview shows, that the log was imported successfully.

BPIC15_3

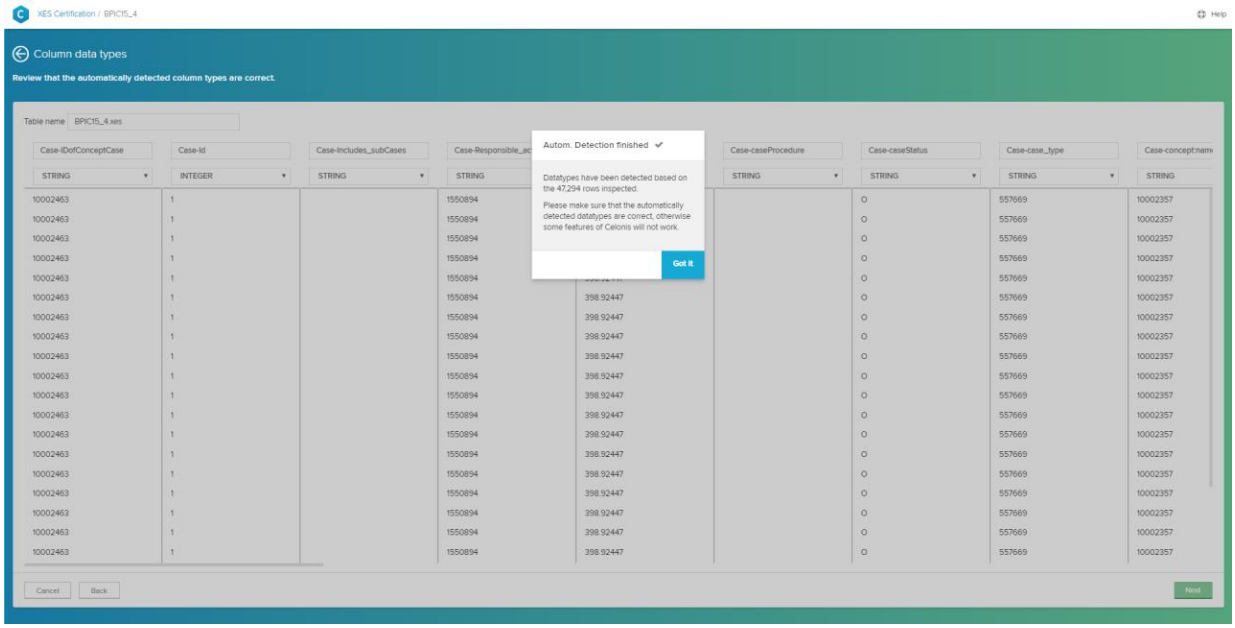


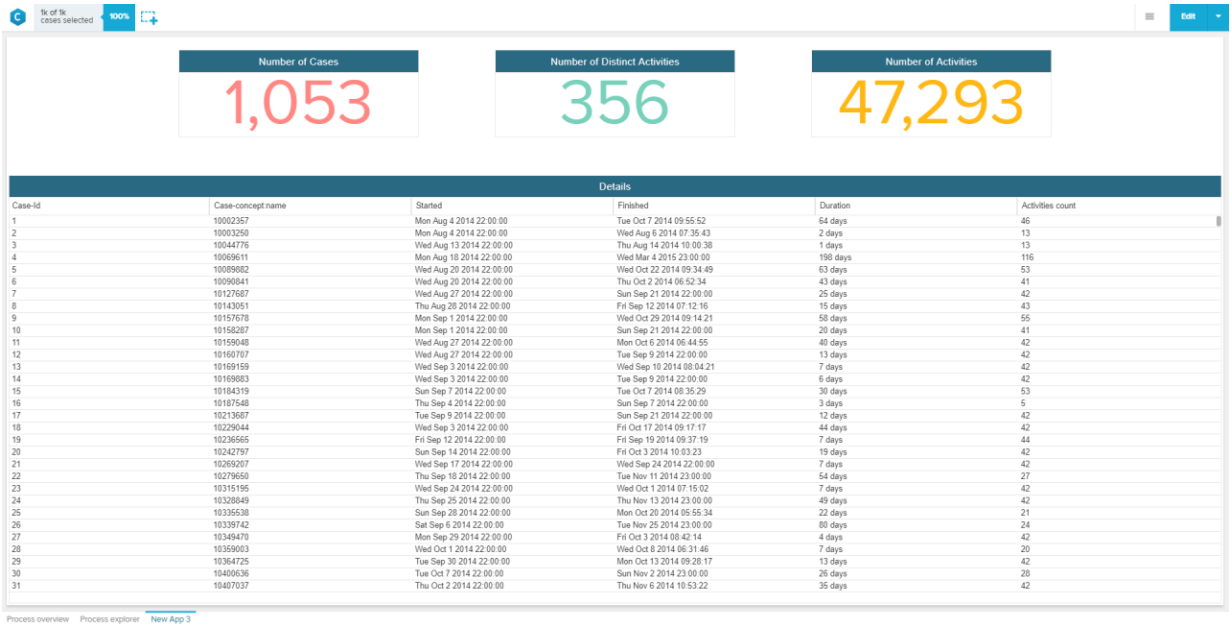


This overview shows, that the log was imported successfully.

IMPORT

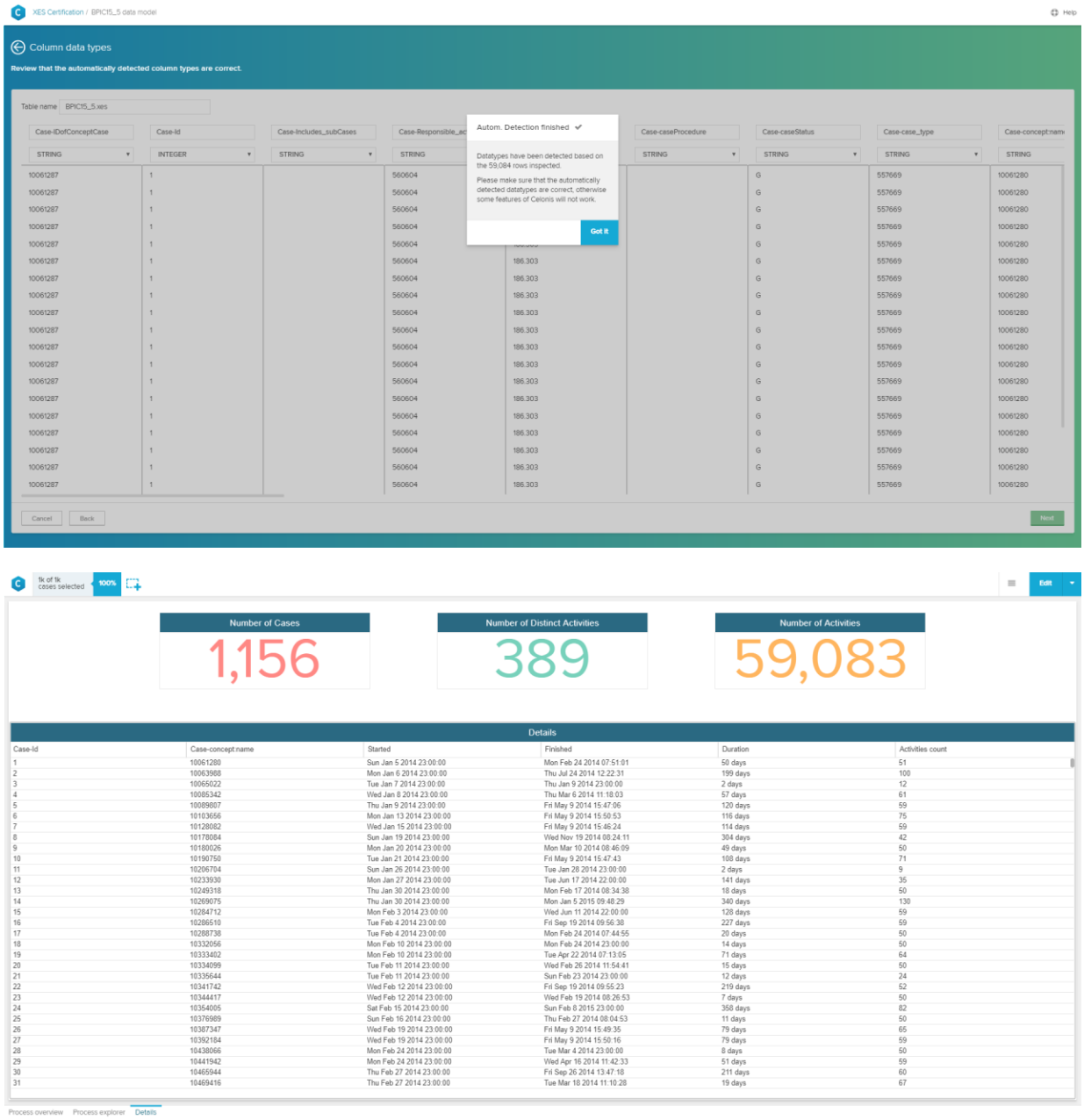
BPIC15_4





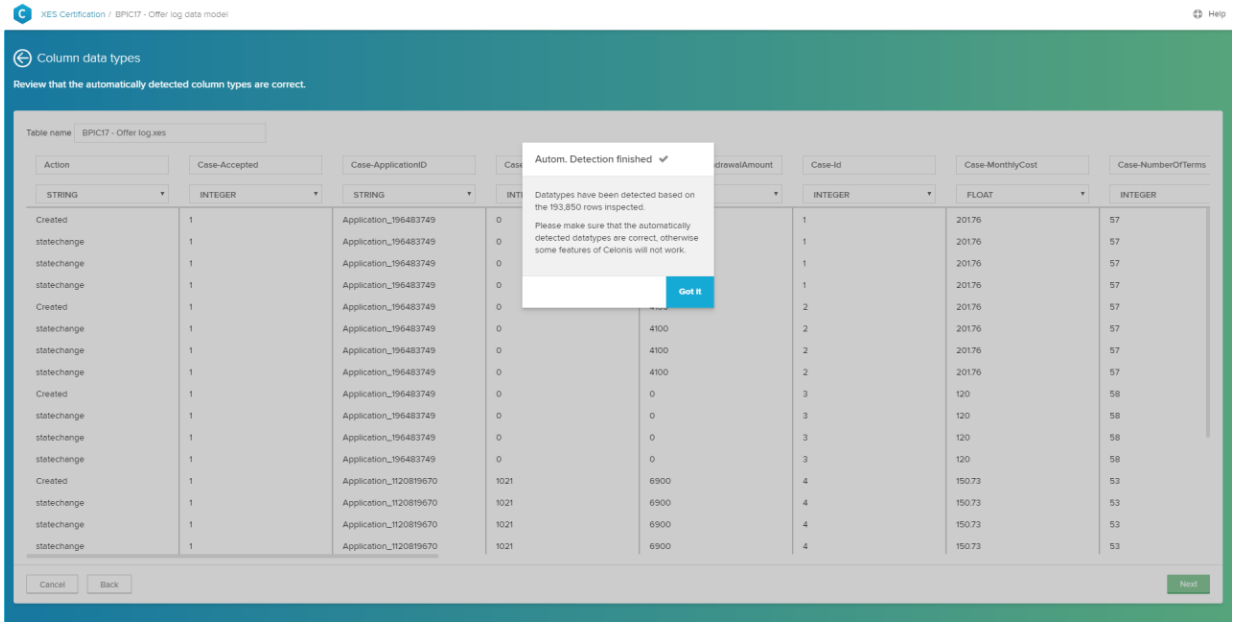
This overview shows, that the log was imported successfully.

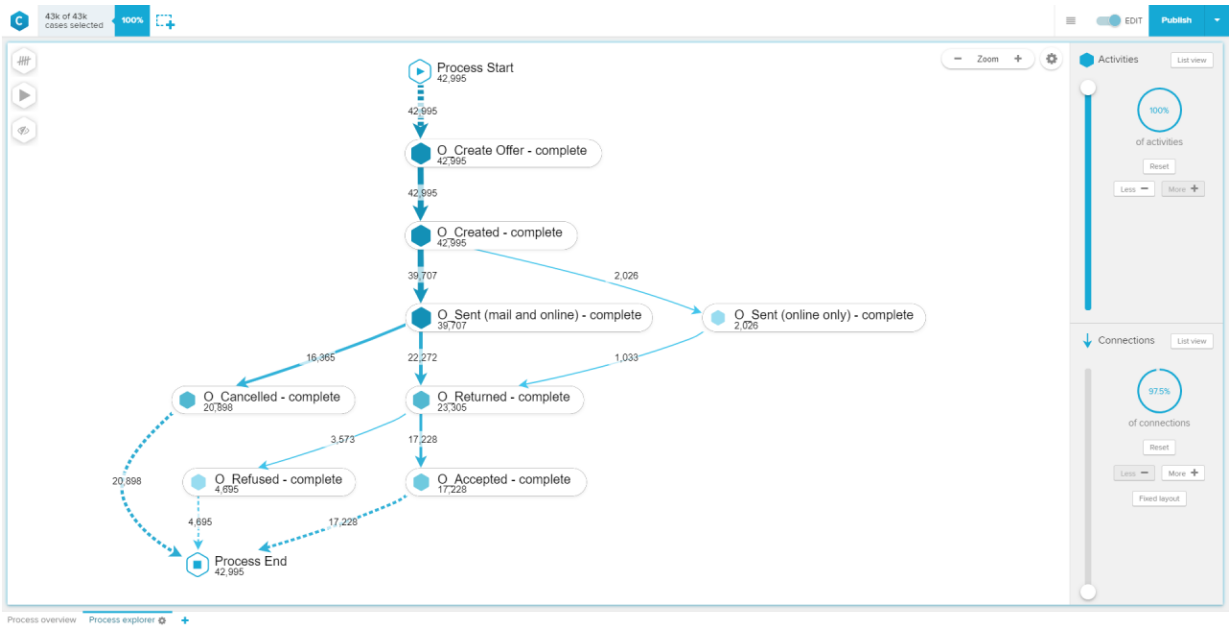
BPIC15_5



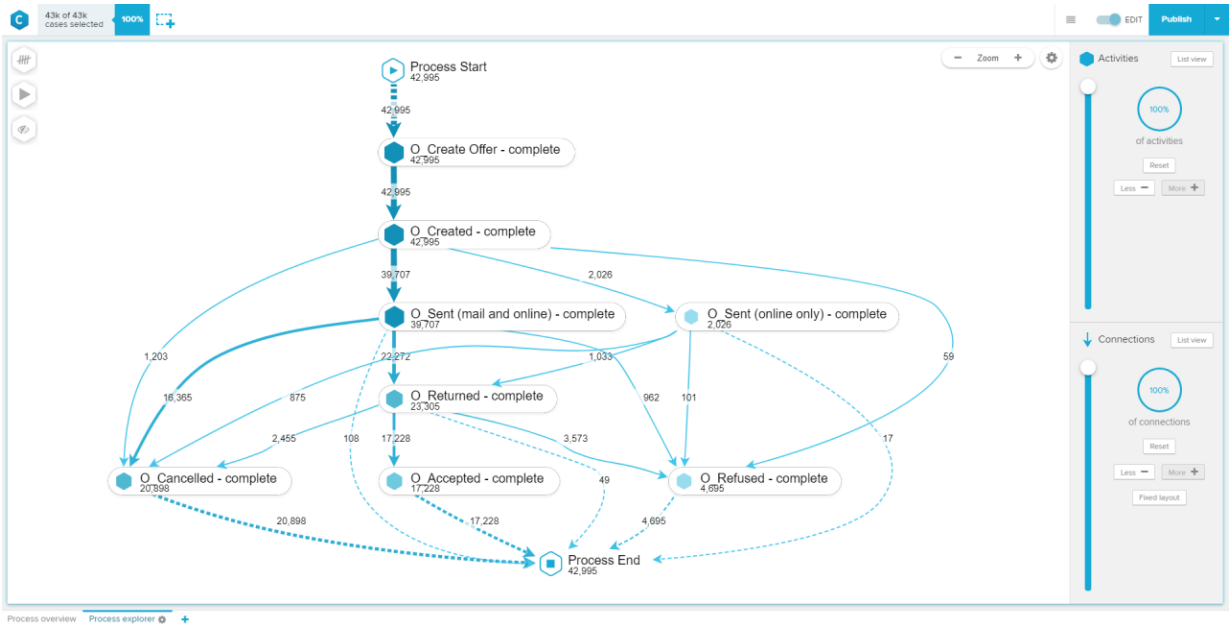
This overview shows, that the log was imported successfully.

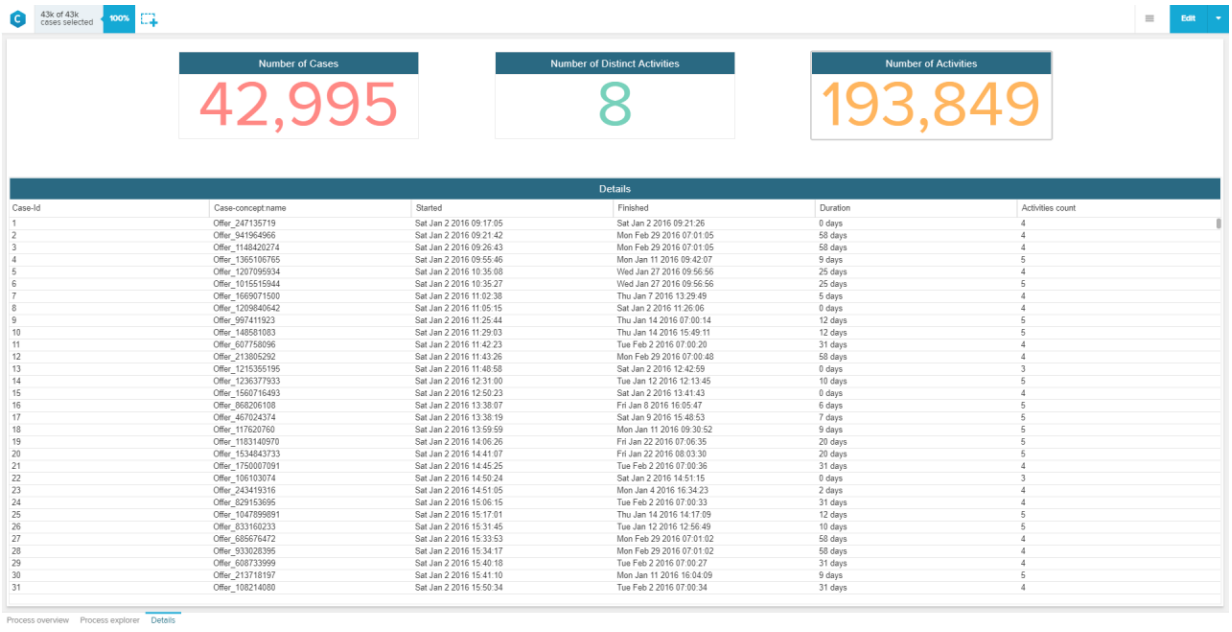
BPIC17 – Offer log





IMPORT

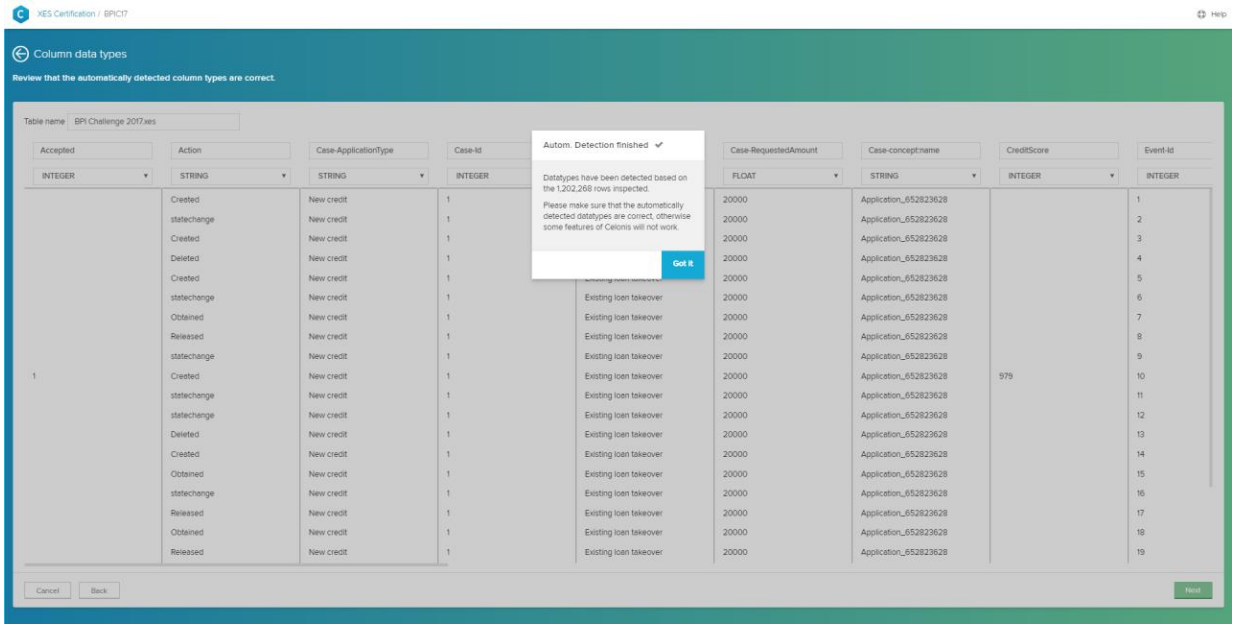


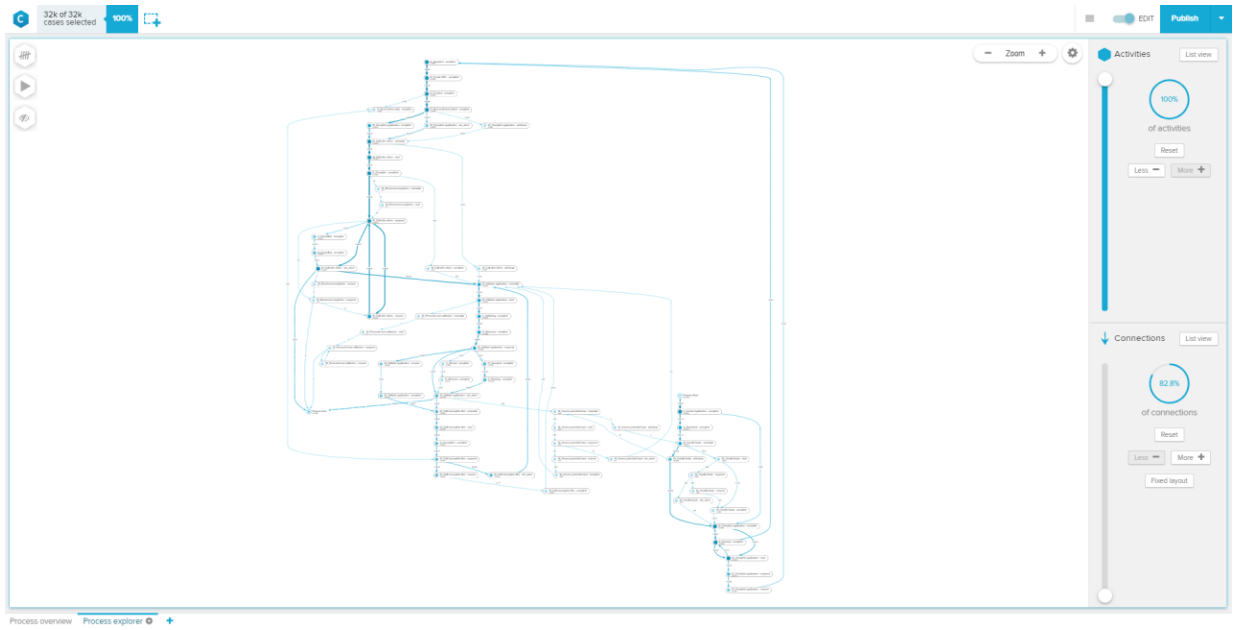


This overview shows, that the log was imported successfully.

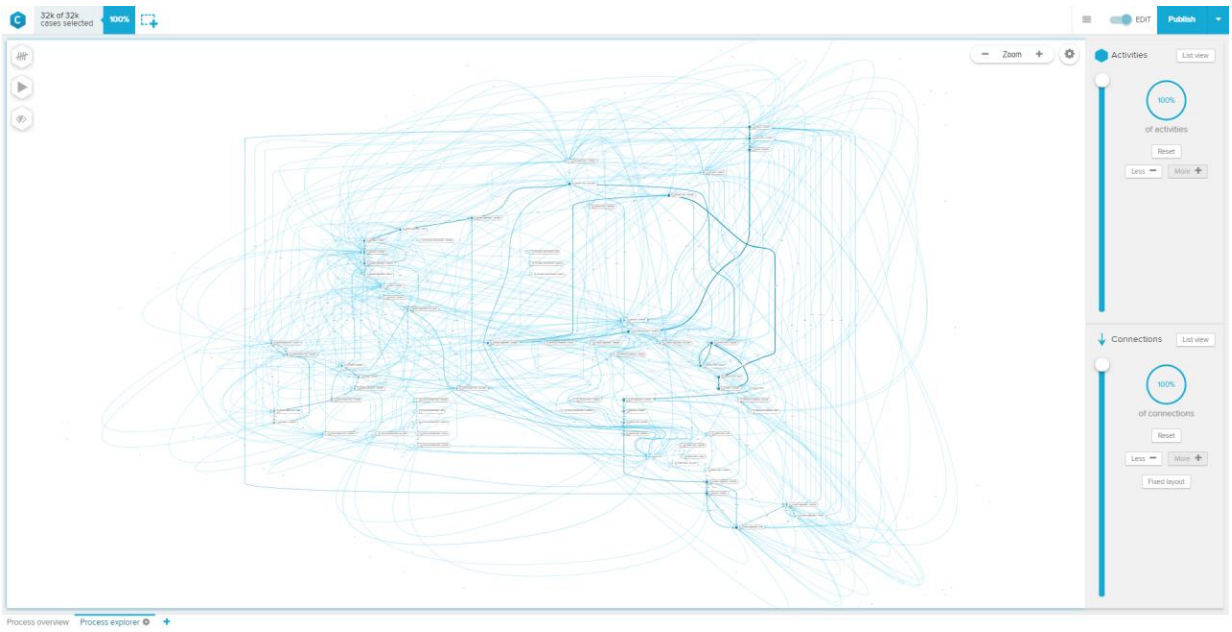
IMPORT

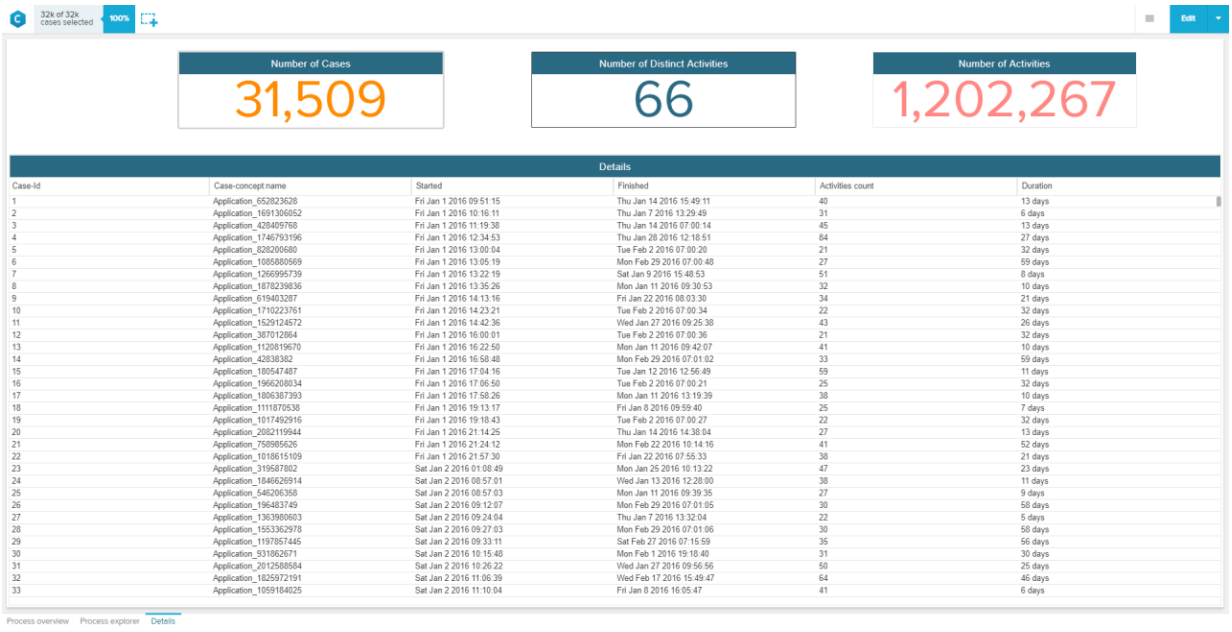
BPIC17





IMPORT





Case-Id	Case-concept:name	Started	Finished	Activities count	Duration
1	Application_652823628	Fri Jan 1 2016 09:51:15	Thu Jan 14 2016 15:49:11	40	13 days
2	Application_1691306052	Fri Jan 1 2016 10:16:11	Thu Jan 7 2016 13:29:49	31	6 days
3	Application_428409768	Fri Jan 1 2016 11:19:38	Thu Jan 14 2016 07:00:14	45	13 days
4	Application_1746793196	Fri Jan 1 2016 12:34:53	Thu Jan 28 2016 12:18:51	84	27 days
5	Application_828200680	Fri Jan 1 2016 13:00:04	Tue Feb 2 2016 07:00:20	21	32 days
6	Application_1085880569	Fri Jan 1 2016 13:05:19	Mon Feb 29 2016 07:00:48	27	59 days
7	Application_126995739	Fri Jan 1 2016 13:22:19	Sat Jan 9 2016 15:48:53	51	8 days
8	Application_1878239836	Fri Jan 1 2016 13:35:26	Mon Jan 11 2016 09:30:53	32	10 days
9	Application_619403287	Fri Jan 1 2016 14:13:16	Fri Jan 22 2016 08:03:30	34	21 days
10	Application_1710223761	Fri Jan 1 2016 14:23:21	Tue Feb 2 2016 07:00:34	22	32 days
11	Application_1529124572	Fri Jan 1 2016 14:42:36	Wed Jan 27 2016 09:25:38	43	26 days
12	Application_367012864	Fri Jan 1 2016 16:00:01	Tue Feb 2 2016 07:00:36	21	32 days
13	Application_1120819670	Fri Jan 1 2016 16:22:50	Mon Jan 11 2016 09:42:07	41	10 days
14	Application_42838382	Fri Jan 1 2016 16:58:48	Mon Feb 29 2016 07:01:02	33	59 days
15	Application_180547487	Fri Jan 1 2016 17:04:16	Tue Jan 12 2016 12:56:49	59	11 days
16	Application_1966208034	Fri Jan 1 2016 17:06:50	Tue Feb 2 2016 07:00:21	25	32 days
17	Application_1806387393	Fri Jan 1 2016 17:58:26	Mon Jan 11 2016 13:19:39	38	10 days
18	Application_1111870538	Fri Jan 1 2016 19:13:17	Fri Jan 8 2016 09:59:40	25	7 days
19	Application_1017492916	Fri Jan 1 2016 19:18:43	Tue Feb 2 2016 07:00:27	22	32 days
20	Application_2082119944	Fri Jan 1 2016 21:14:25	Thu Jan 14 2016 14:38:04	27	13 days
21	Application_758985626	Fri Jan 1 2016 21:24:12	Mon Feb 22 2016 10:14:16	41	52 days
22	Application_1018615109	Fri Jan 1 2016 21:57:30	Fri Jan 22 2016 07:55:33	38	21 days
23	Application_319587802	Sat Jan 2 2016 01:08:49	Mon Jan 25 2016 10:13:22	47	23 days
24	Application_1846626914	Sat Jan 2 2016 08:57:01	Wed Jan 13 2016 12:28:00	38	11 days
25	Application_546206358	Sat Jan 2 2016 08:57:03	Mon Jan 11 2016 09:39:35	27	9 days
26	Application_196483749	Sat Jan 2 2016 09:12:07	Mon Feb 29 2016 07:01:05	30	58 days
27	Application_1363980603	Sat Jan 2 2016 09:24:04	Thu Jan 7 2016 13:32:04	22	5 days
28	Application_1553362978	Sat Jan 2 2016 09:27:03	Mon Feb 29 2016 07:01:06	30	58 days
29	Application_1197857445	Sat Jan 2 2016 09:33:11	Sat Feb 27 2016 07:15:59	35	56 days
30	Application_531862671	Sat Jan 2 2016 10:15:48	Mon Feb 1 2016 19:18:40	31	30 days
31	Application_2012588584	Sat Jan 2 2016 10:26:22	Wed Jan 27 2016 09:56:56	50	25 days
32	Application_1825972191	Sat Jan 2 2016 11:06:39	Wed Feb 17 2016 15:49:47	64	46 days
33	Application_1059184025	Sat Jan 2 2016 11:10:04	Fri Jan 8 2016 16:05:47	41	6 days

This overview shows, that the log was imported successfully.

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

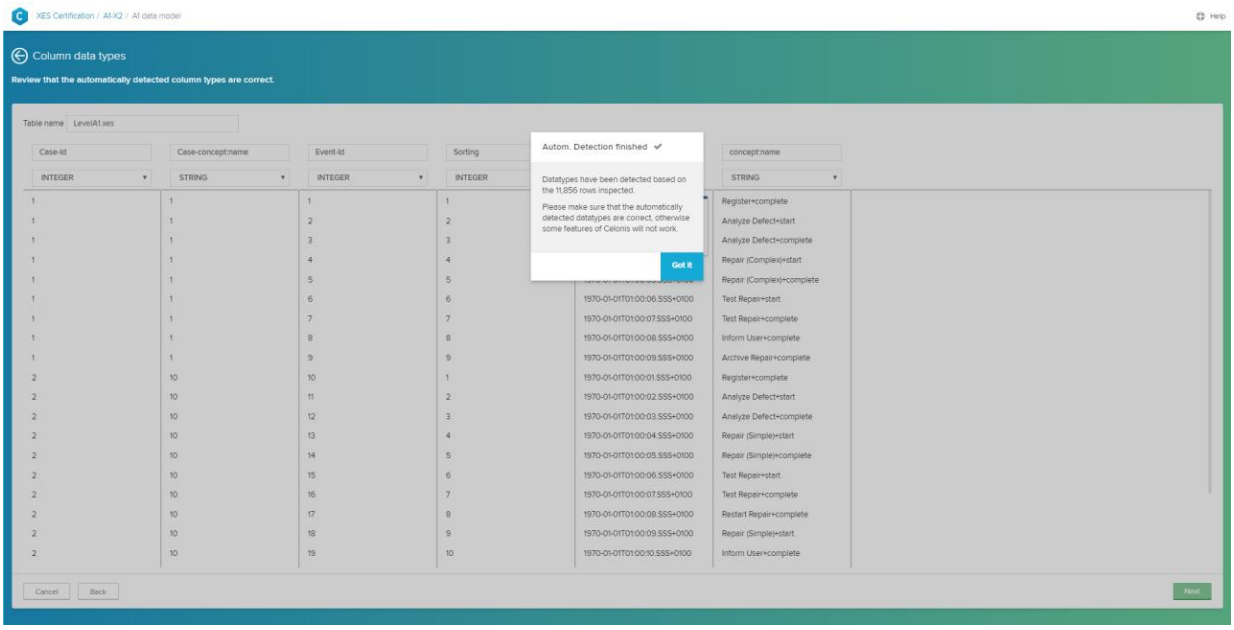
ATTRIBUTE TYPES AND VALUES

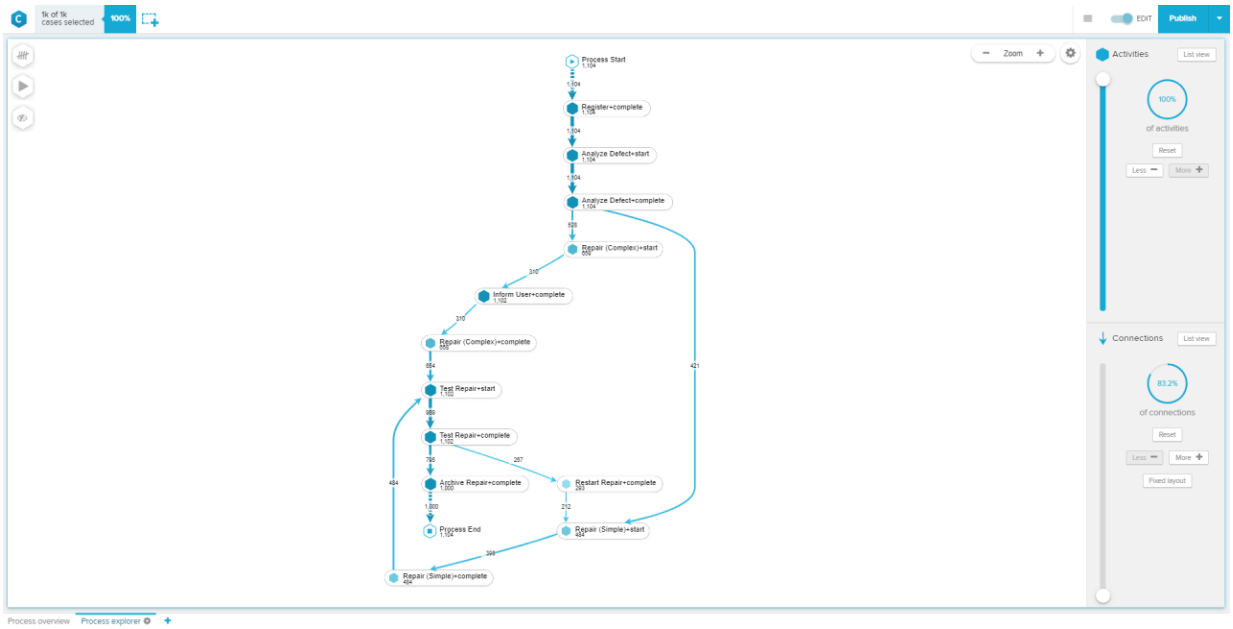
KEYS	TYPE	VALUES
concept:instance **Key 2**	string	instance 1 instance 2 instance 3 instance 4
concept:name (A1 and C1 logs)	string	Analyze Defect+complete Analyze Defect+start Archive Repair+complete Inform User+complete Register+complete Repair (Complex)+complete Repair (Complex)+start Repair (Simple)+complete 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

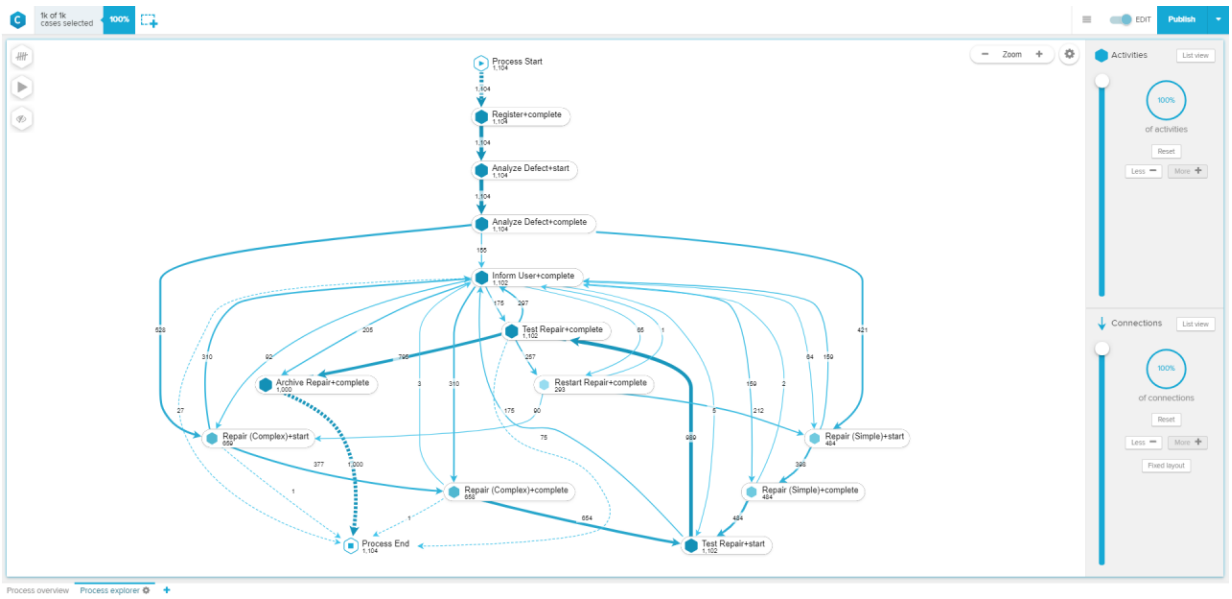
		Tester3 Tester4 Tester5 Tester6
org:role **ITEMS:41, #1, o.1.1**	string	Role 1, 2, and 3 Role 10 Role 9
time:timestamp **Key 4**	date	*Like* 1970-01-02T12:23:56.720+01:00
defectFixed	boolean	true false
defectType	int	1 10 2 3 4 5 6 7 8 9
numberRepairs	int	0 1 2 3
phoneType	String	T1 T2 T3

IMPORT

Level A1

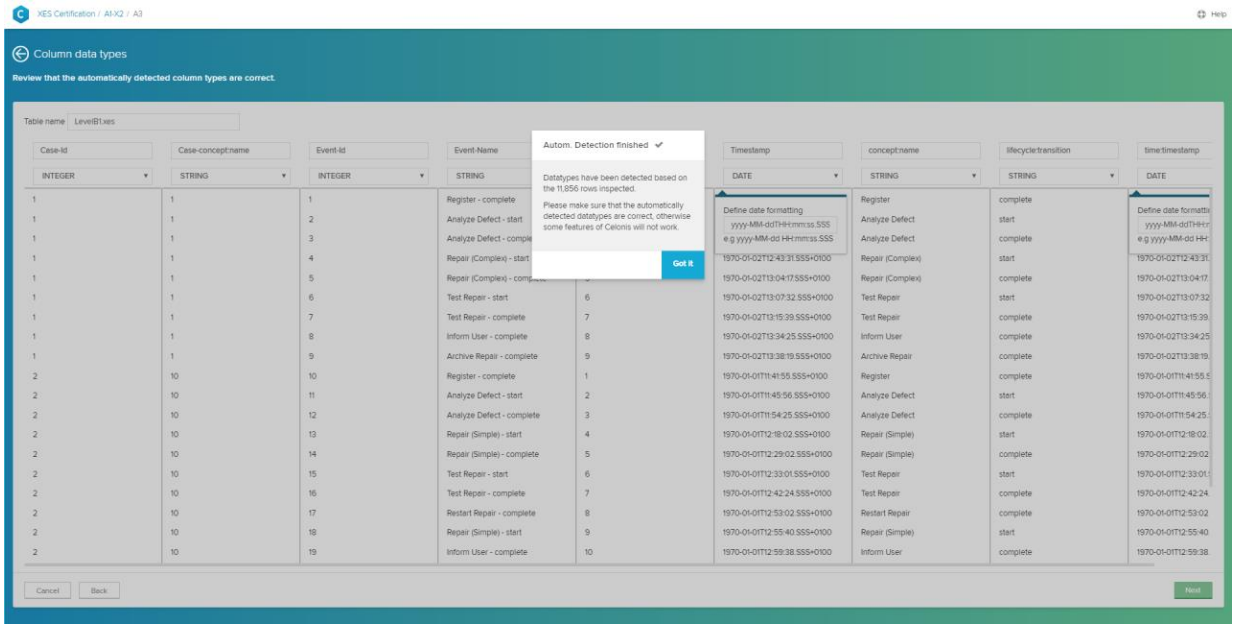


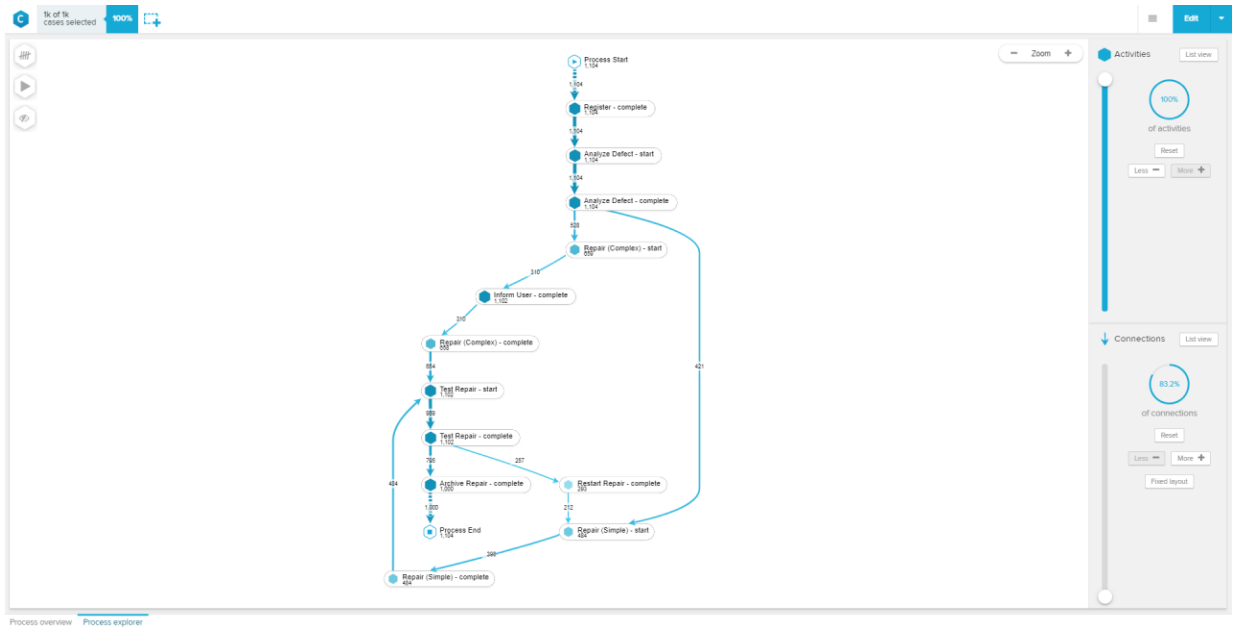




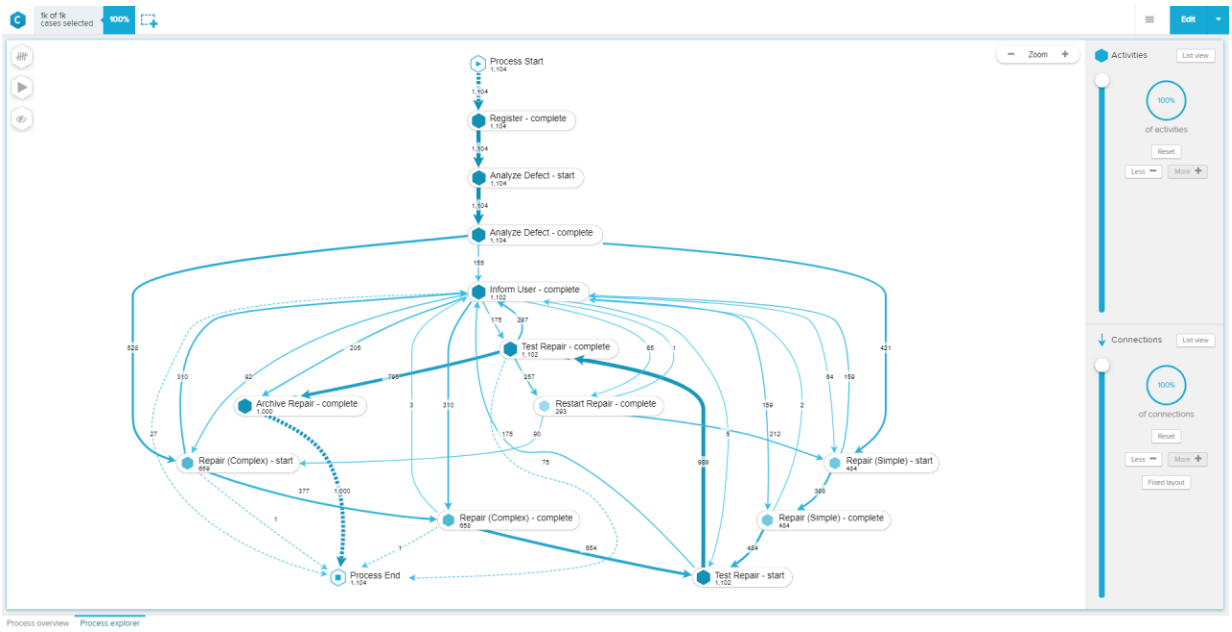
This process graph and the overview, showing the concept:name and the respective count of the activities, prove that the concept:name was used.

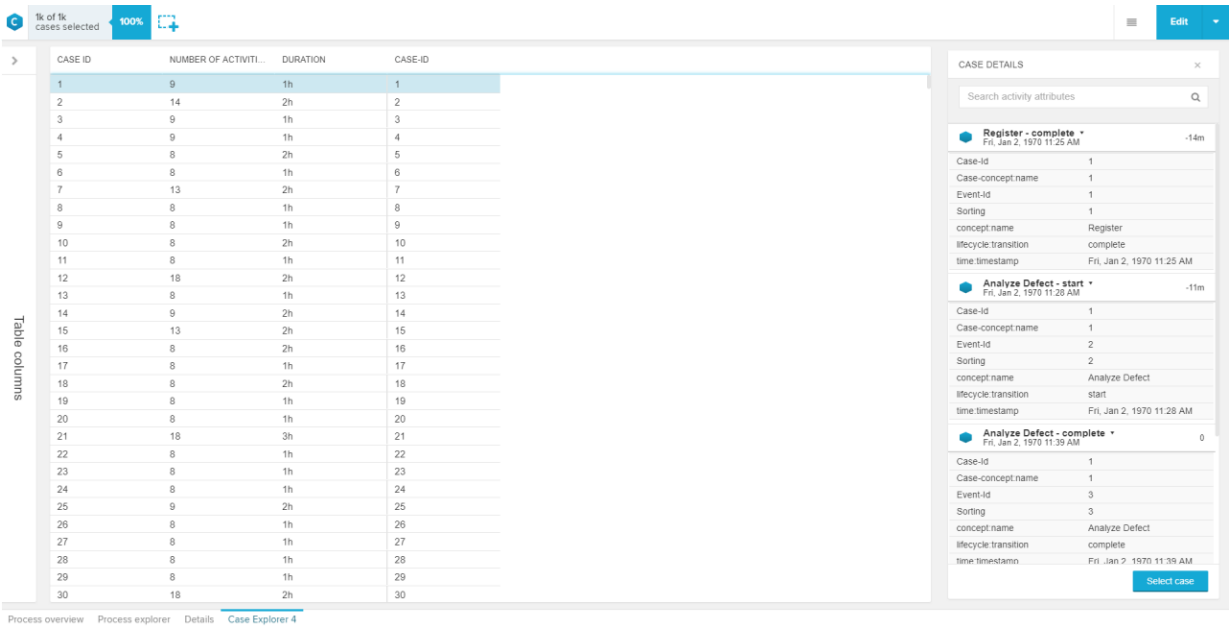
Level B1

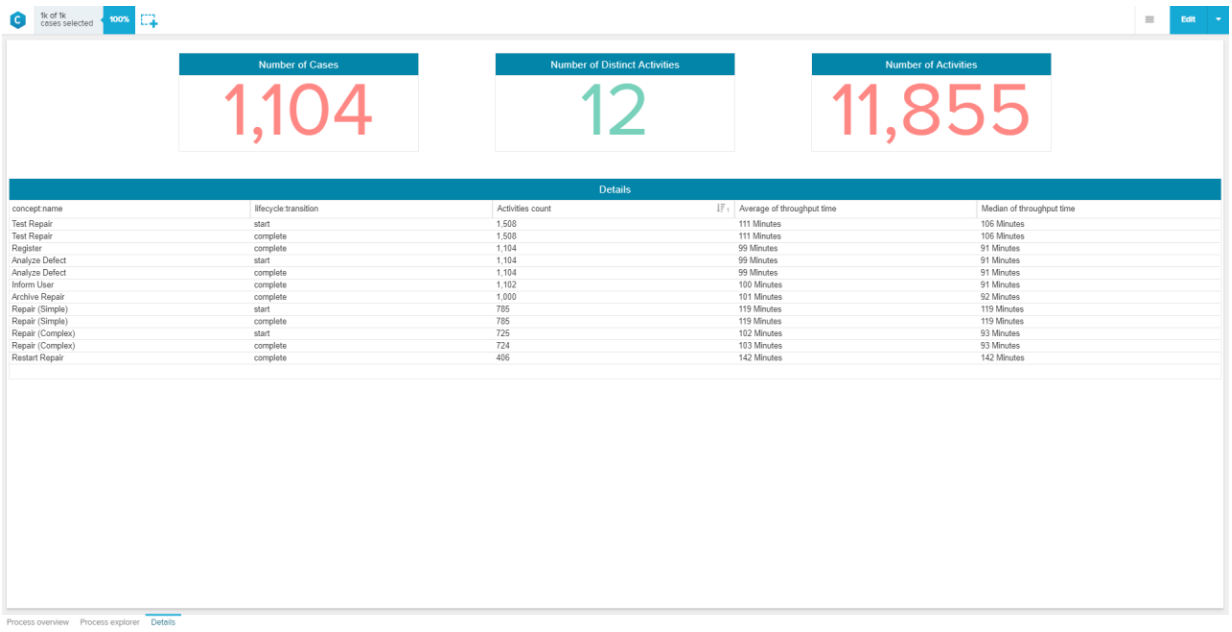

XES Certification / A1-X2 / A3
Help
Column data types
Review that the automatically detected column types are correct.
Table name
Level01.xes
Case-Id
Case-concept:name
Event-Id
Event-Name
Timestamp
concept:name
lifecycle:transition
time:timestamp
INTEGER
STRING
DATE
Autom. Detection finished
Datatypes have been detected based on the 11,856 rows inspected.
Please make sure that the automatically detected datatypes are correct, otherwise some features of Celonis will not work.
Got it
Define date formatting
yyyy-MM-ddTHH:mm:ss.SSS
e.g yyyy-MM-dd HH:mm:ss.SSS
Cancel
Back
Next


1k of 1k cases selected
100%
Edit
Zoom
Process Start
Register - complete
Analyze Defect - start
Analyze Defect - complete
Repair (Complex) - start
Inform User - complete
Repair (Complex) - complete
Test Repair - start
Test Repair - complete
Archive Repair - complete
Restart Repair - complete
Process End
Repair (Simple) - start
Repair (Simple) - complete
Activities
List view
100%
of activities
Reset
Less
More
Connections
83.2%
of connections
Fixed layout
Process overview
Process explorer

IMPORT

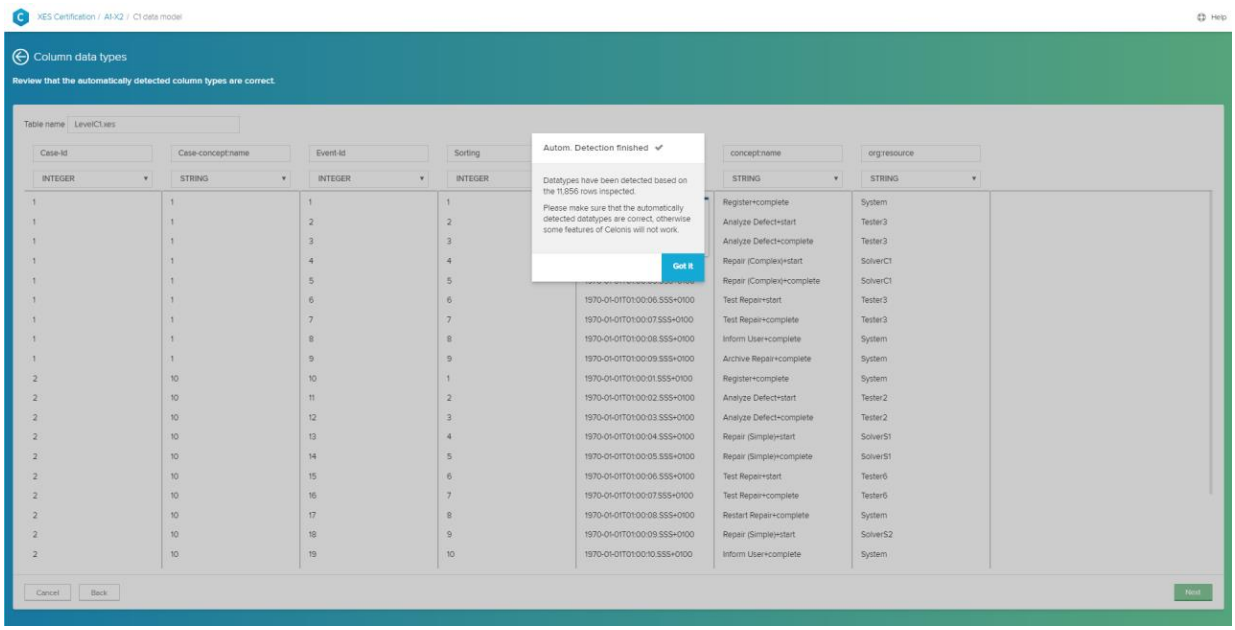

1k of 1k cases selected
100%
Edit
Process Start
Register - complete
Analyze Defect - start
Analyze Defect - complete
Inform User - complete
Test Repair - complete
Archive Repair - complete
Restart Repair - complete
Repair (Complex) - start
Repair (Simple) - start
Repair (Complex) - complete
Repair (Simple) - complete
Process End
Test Repair - start
Zoom
Activities
100%
of activities
Reset
Less
More
Connections
100%
of connections
Reset
Less
More
Fixed layout
Process overview
Process explorer


1k of 1k cases selected
100%
Edit
CASE ID
NUMBER OF ACTIVITI...
DURATION
CASE-ID
1 9 1h 1
2 14 2h 2
3 9 1h 3
4 9 1h 4
5 8 2h 5
6 8 1h 6
7 13 2h 7
8 8 1h 8
9 8 1h 9
10 8 2h 10
11 8 1h 11
12 18 2h 12
13 8 1h 13
14 9 2h 14
15 13 2h 15
16 8 2h 16
17 8 1h 17
18 8 2h 18
19 8 1h 19
20 8 1h 20
21 18 3h 21
22 8 1h 22
23 8 1h 23
24 8 1h 24
25 9 2h 25
26 8 1h 26
27 8 1h 27
28 8 1h 28
29 8 1h 29
30 18 2h 30
Table columns
CASE DETAILS
Search activity attributes
Register - complete
Fri, Jan 2, 1970 11:25 AM
-14m
Case-Id 1
Case-concept:name 1
Event-Id 1
Sorting 1
concept:name Register
lifecycle:transition complete
time:timestamp Fri, Jan 2, 1970 11:25 AM
Analyze Defect - start
Fri, Jan 2, 1970 11:28 AM
-11m
Case-Id 1
Case-concept:name 1
Event-Id 2
Sorting 2
concept:name Analyze Defect
lifecycle:transition start
time:timestamp Fri, Jan 2, 1970 11:28 AM
Analyze Defect - complete
Fri, Jan 2, 1970 11:39 AM
0
Case-Id 1
Case-concept:name 1
Event-Id 3
Sorting 3
concept:name Analyze Defect
lifecycle:transition complete
Select case
Process overview
Process explorer
Details
Case Explorer 4

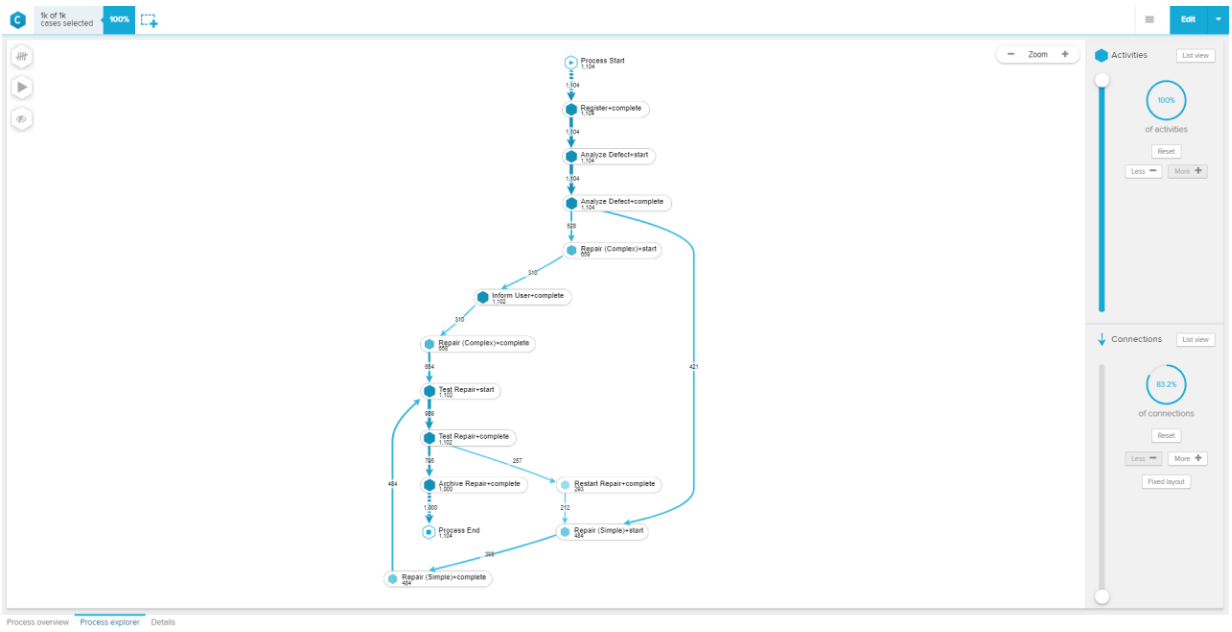


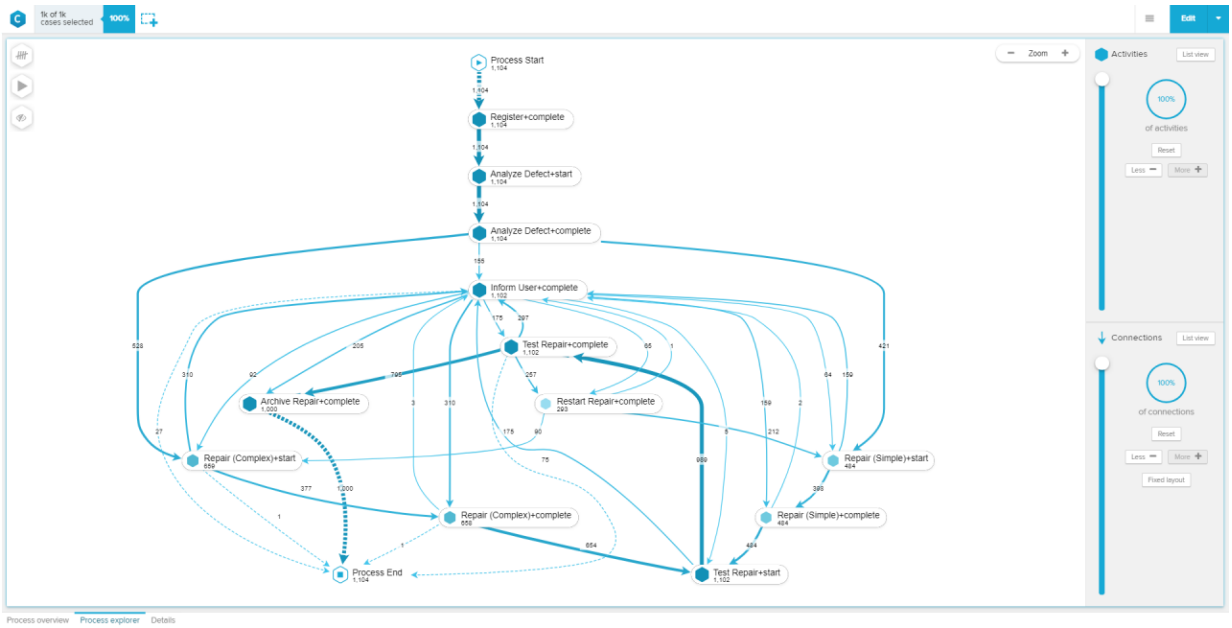
This overview, showing the concept:name, the lifecycle transition, the average and median of the throughput time, and the respective count of the activities, proves that the concept:name, lifecycle:transition and time:timestamp was used.

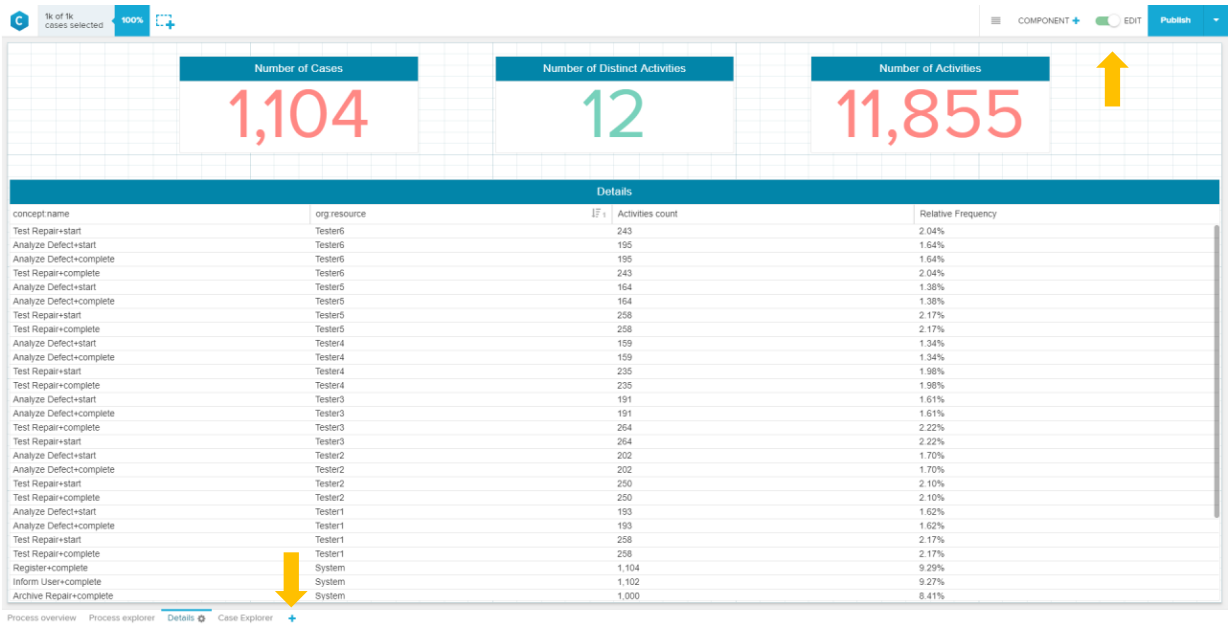
Level C1



IMPORT

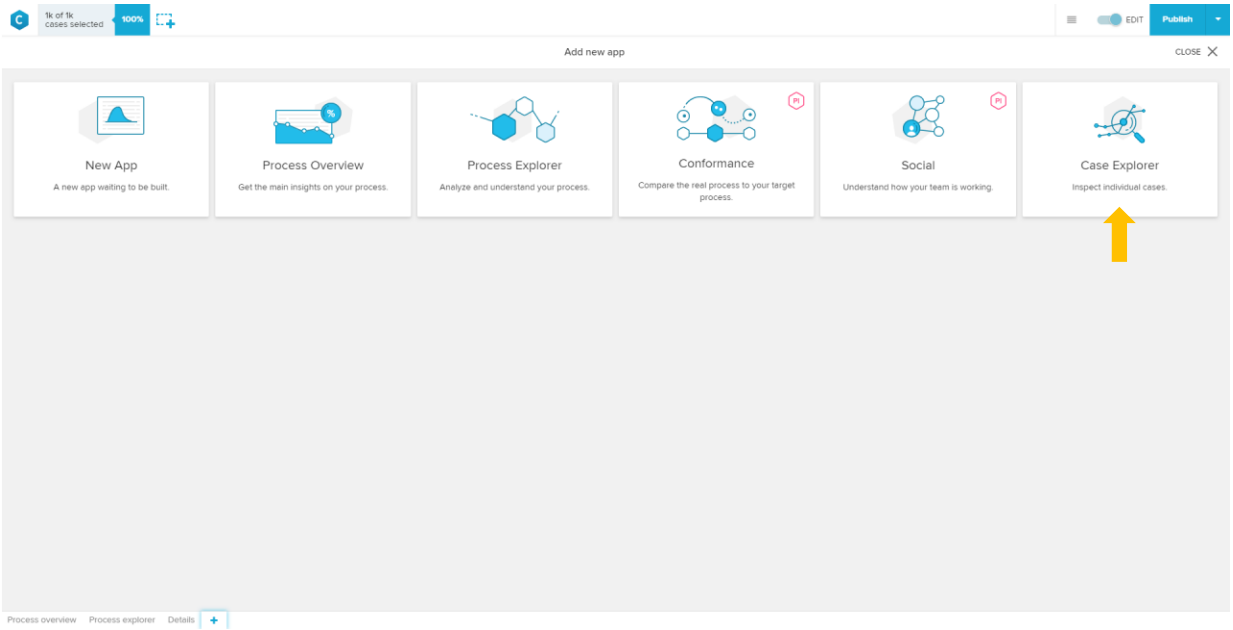

Process Start
Register+complete
Analyze Defect+start
Analyze Defect+complete
Repair (Complex)+start
Inform User+complete
Repair (Complex)+complete
Test Repair+start
Test Repair+complete
Archive Repair+complete
Restart Repair+complete
Process End
Repair (Simple)+start
Repair (Simple)+complete
Zoom
Activities
Connections
Edit
Process overview
Process explorer
Details


Process Start
Register+complete
Analyze Defect+start
Analyze Defect+complete
Inform User+complete
Test Repair+complete
Archive Repair+complete
Restart Repair+complete
Repair (Complex)+start
Repair (Simple)+start
Repair (Complex)+complete
Repair (Simple)+complete
Process End
Test Repair+start
Zoom
Activities
Connections
Edit
Process overview
Process explorer
Details

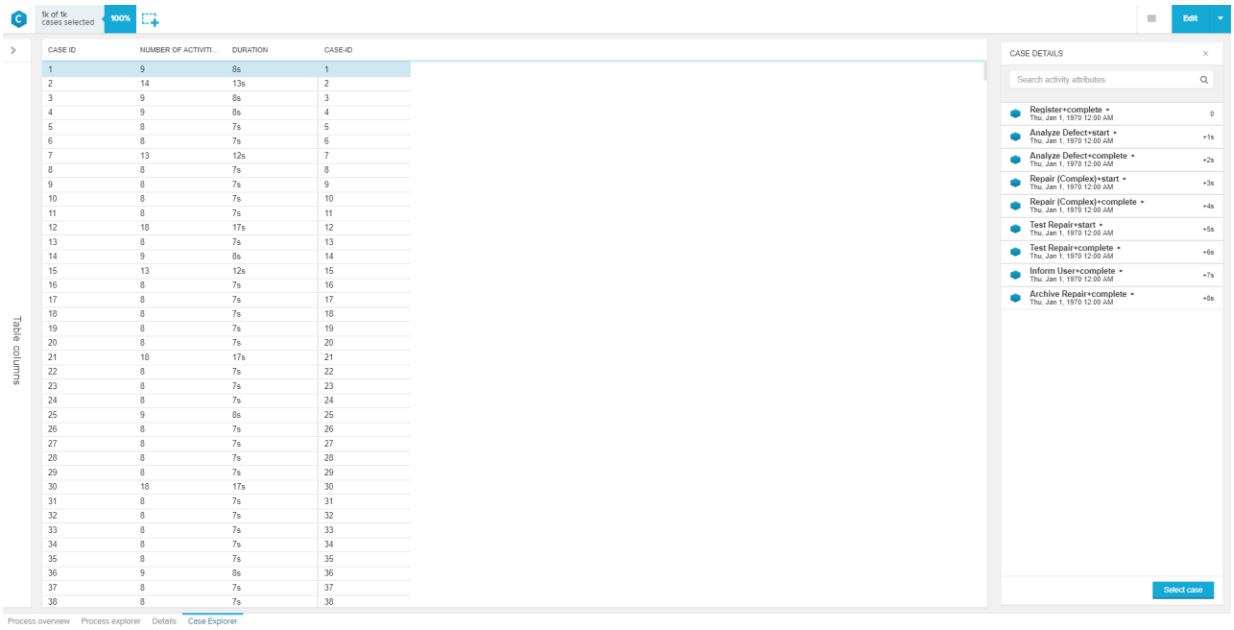


By showing concept:name and org:resource in combination with two KPI's in the OLAP Table, you can see that they were used.

Next you need to click on the plus symbol to create a new sheet.

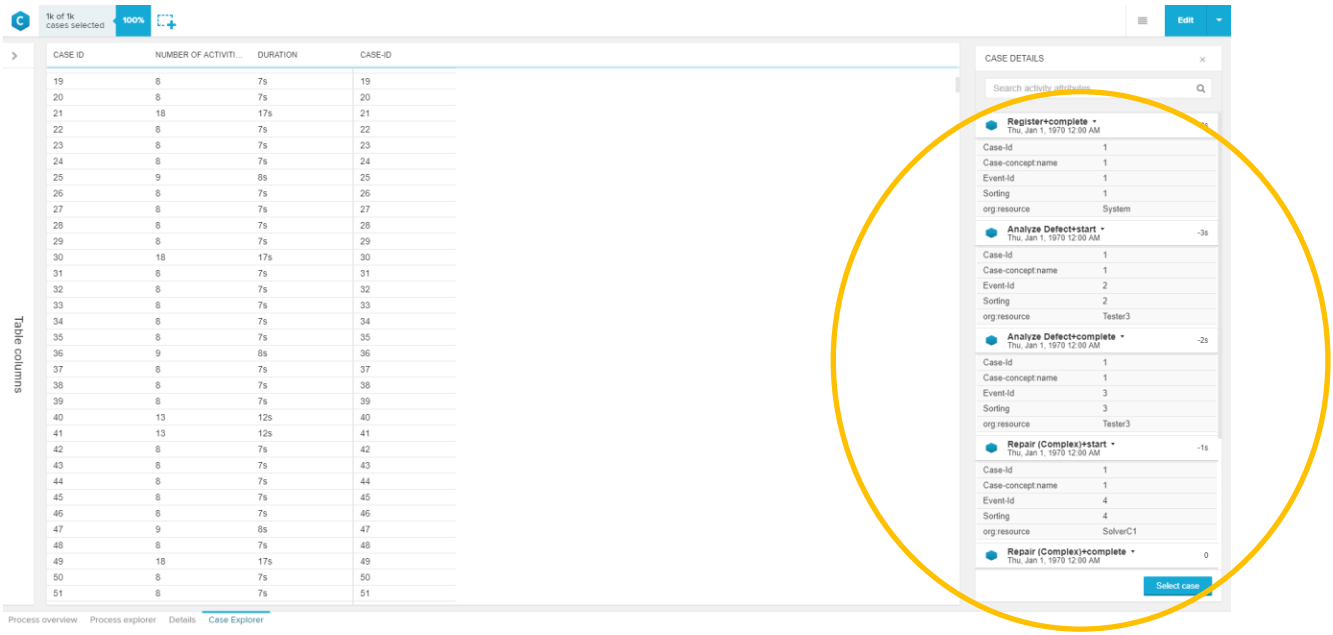


Select the "Case Explorer"



If you klick on e.g. the first case, you can observe the case details on the right.

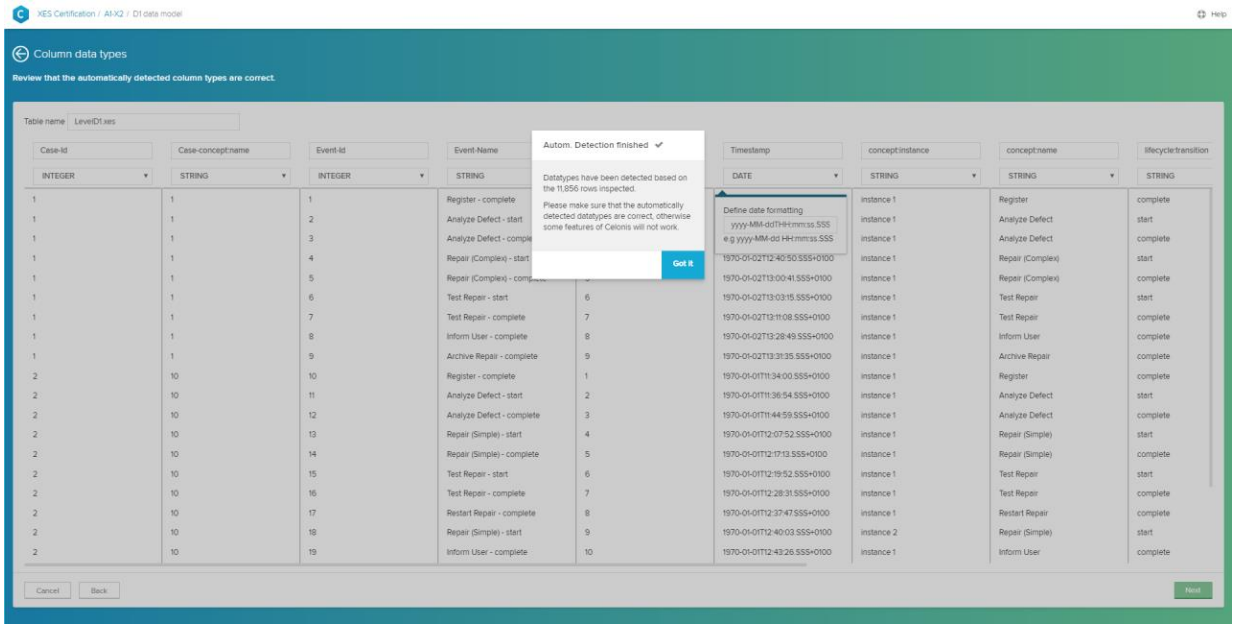
You can see the process of this particular case. If you click on a process step, you can see further details.

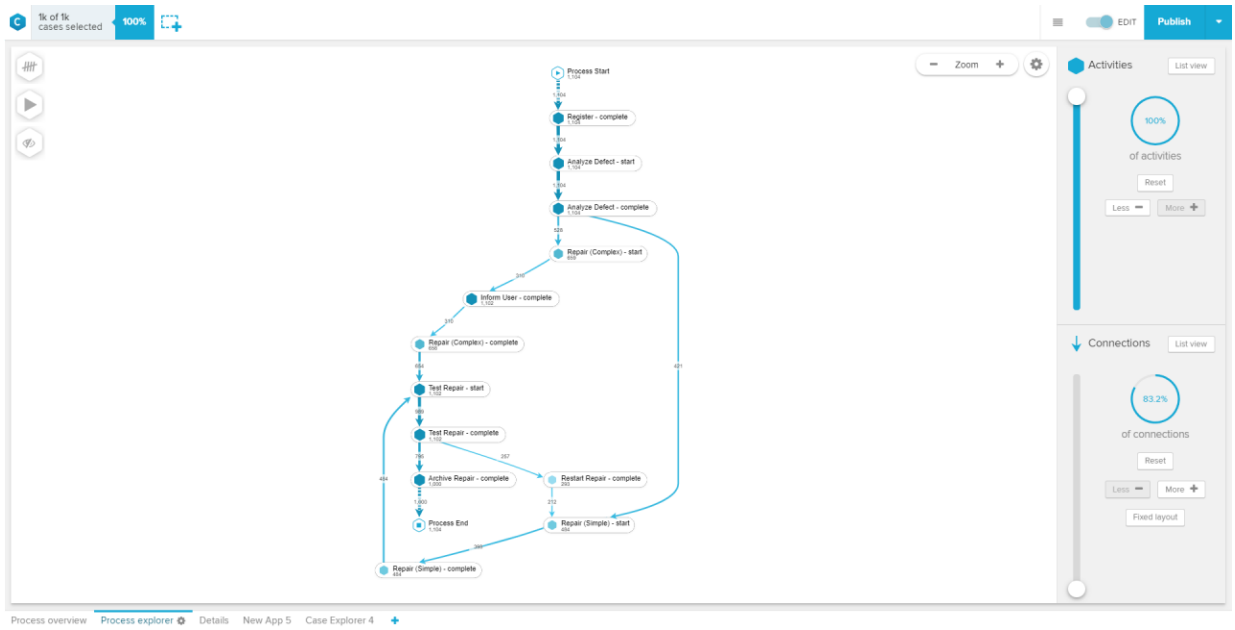


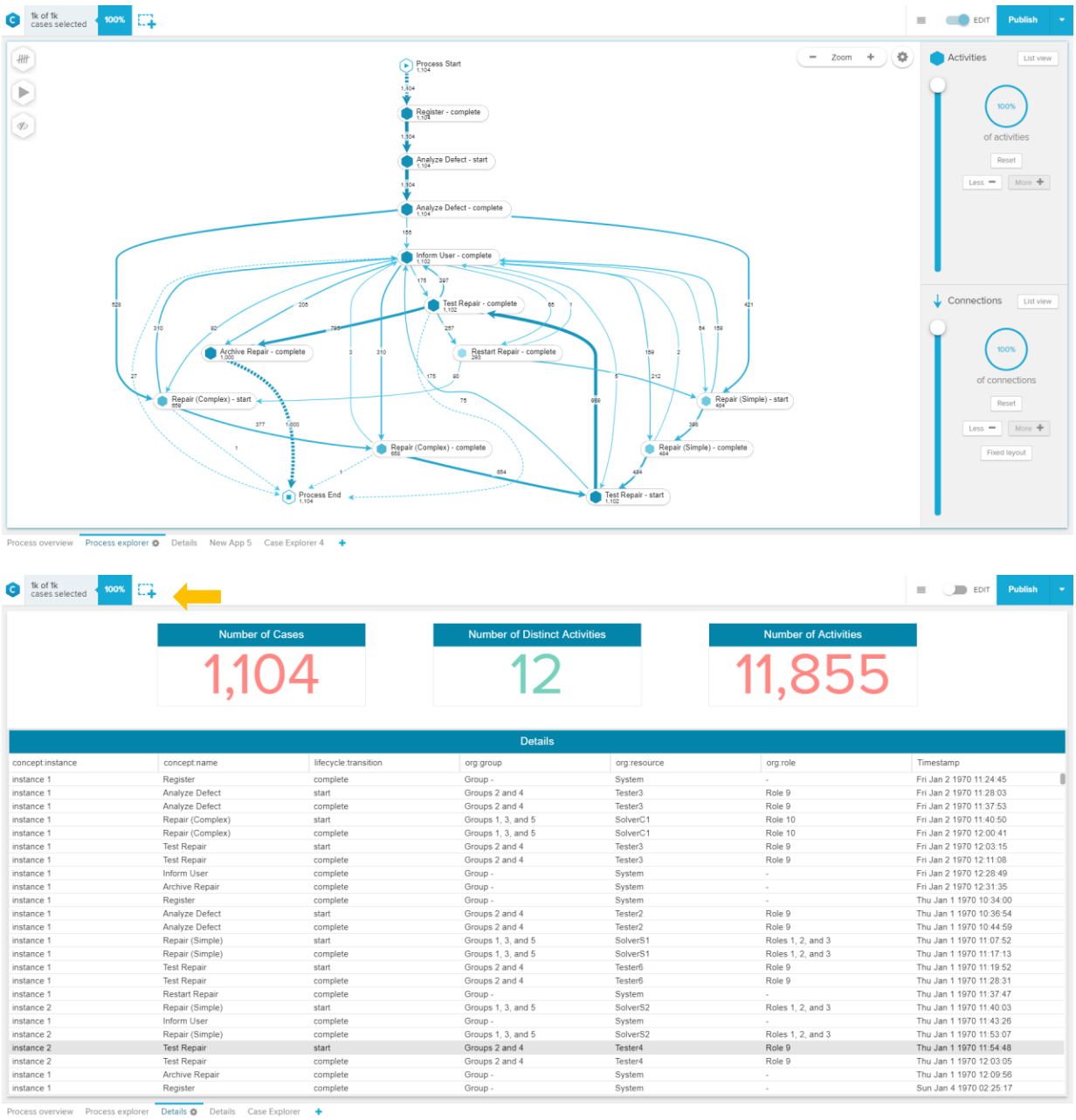
When viewing the further details, you can again see that “concept:name” and “org:resource” are used.

IMPORT

Level D1

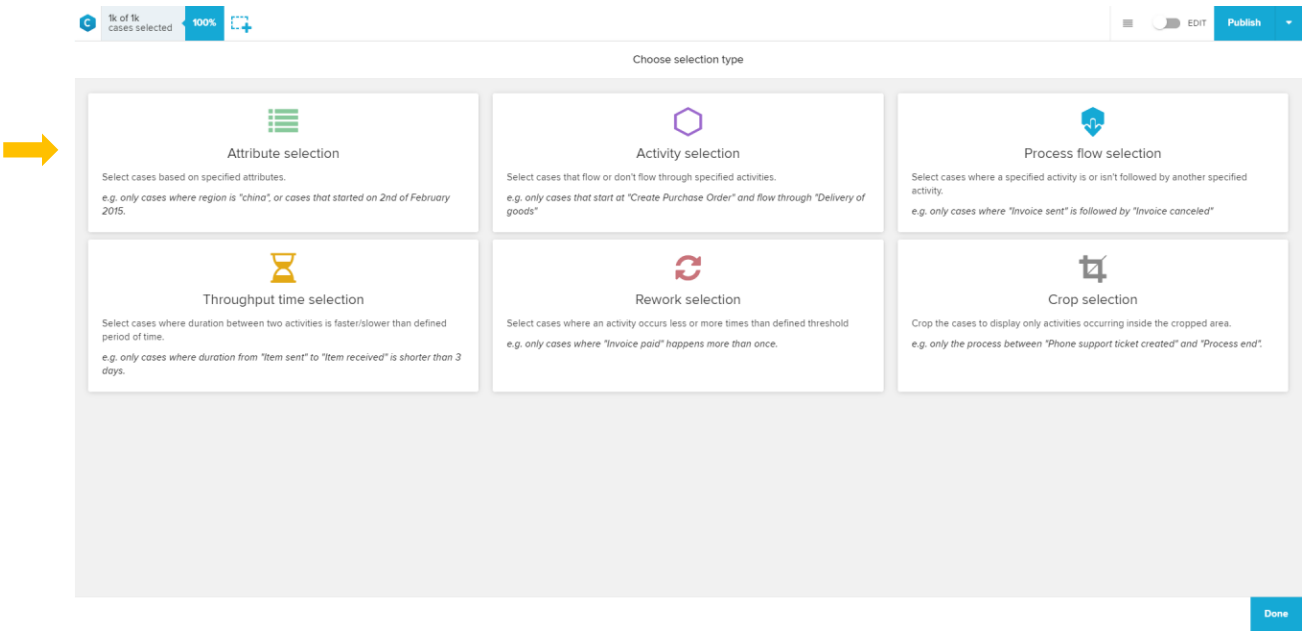




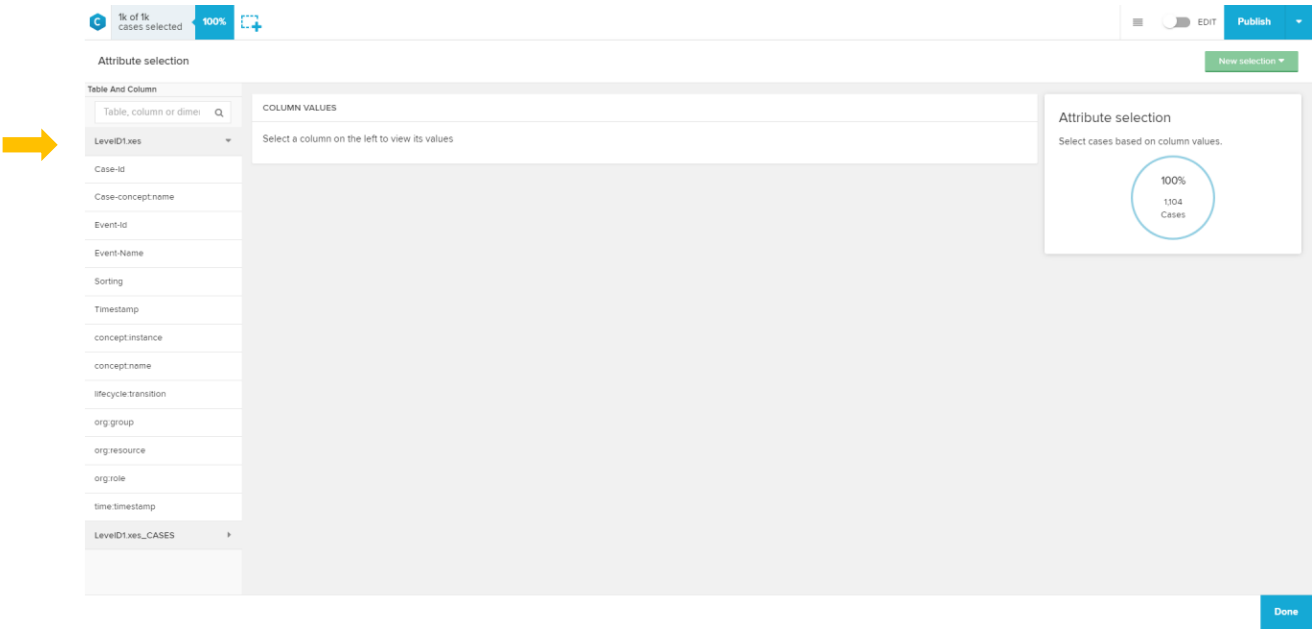


This shows that the data was correctly loaded into Celonis. Next, we will apply filters on all attributes to show, that all of them are used.

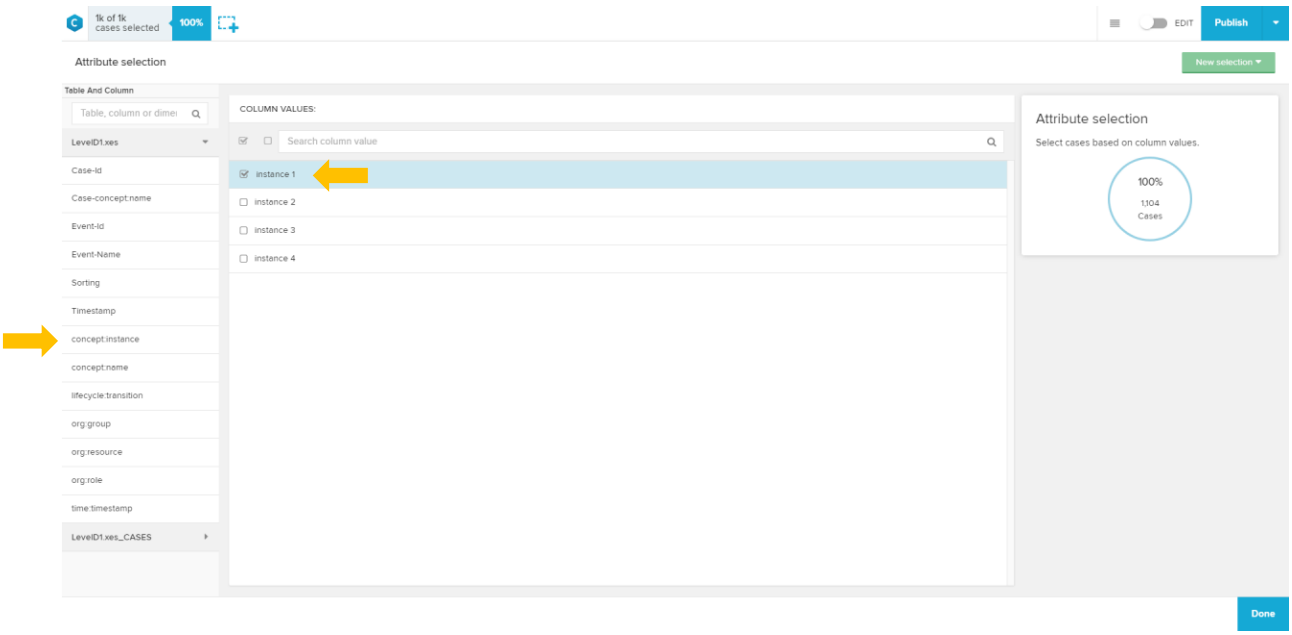
Therefore, you need to klick on the icon that is pointed out by the orange arrow.



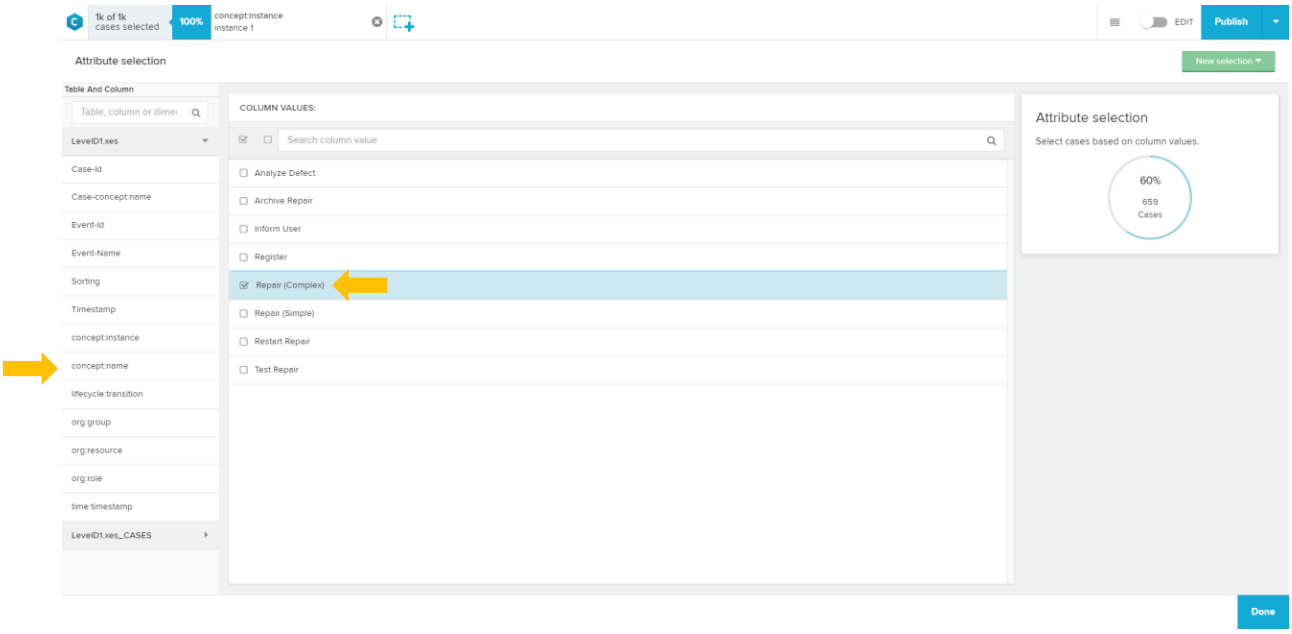
Click on the field “Attribute Selection”



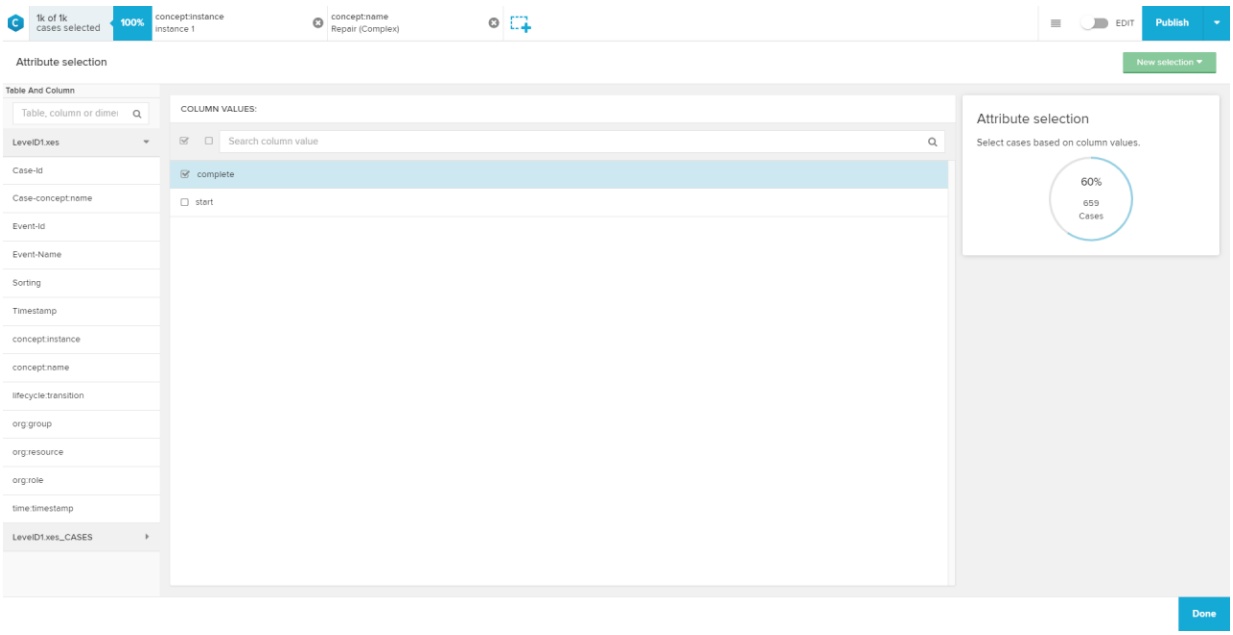
Now click on the field “LevelD1.xes”. A dropdown will open and you can select the attributes you want to filter on.



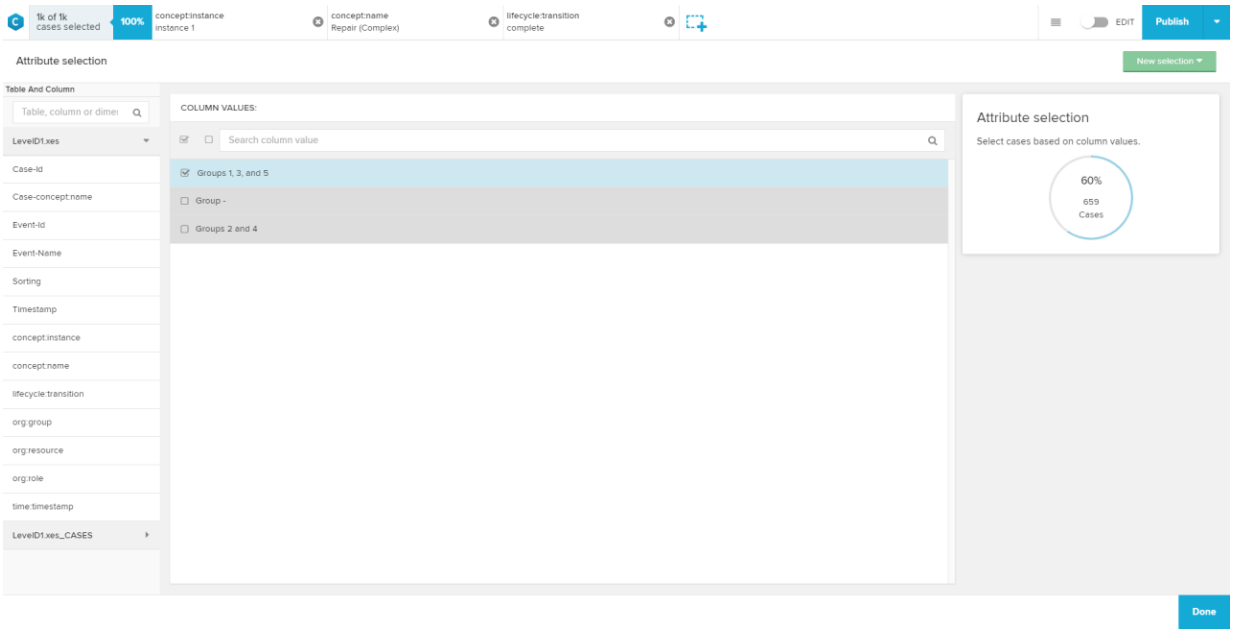
For example, let's start with "concept:instance" and select "instance 1"



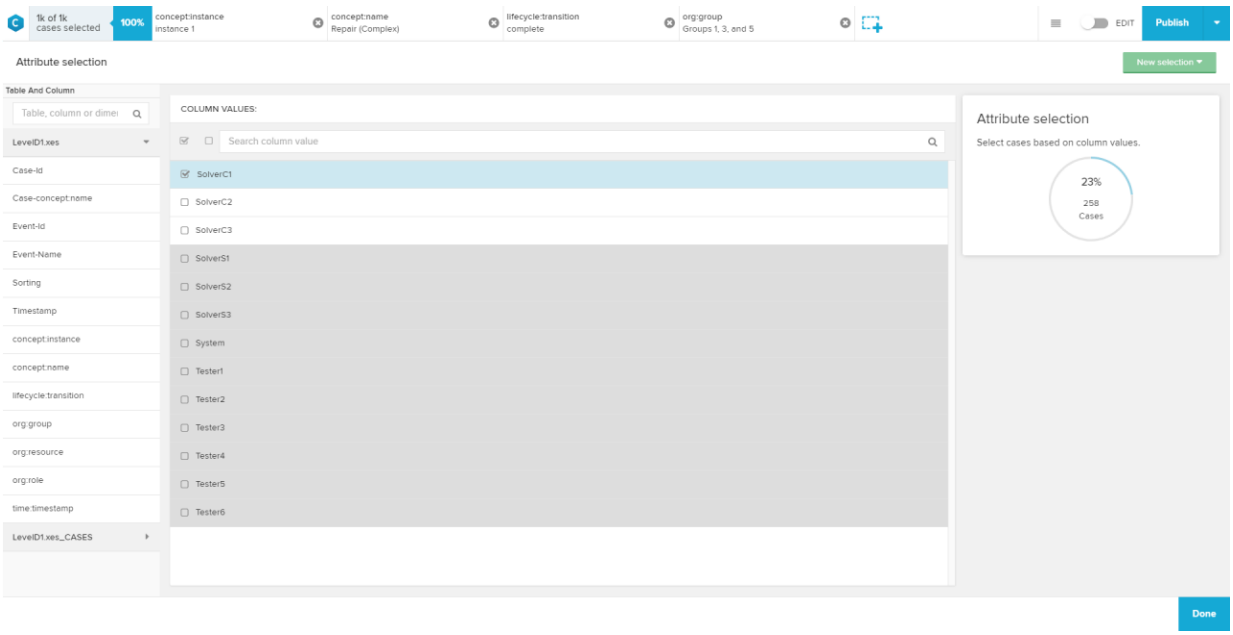
Now, click on "concept:name" and select" Repair (Complex).



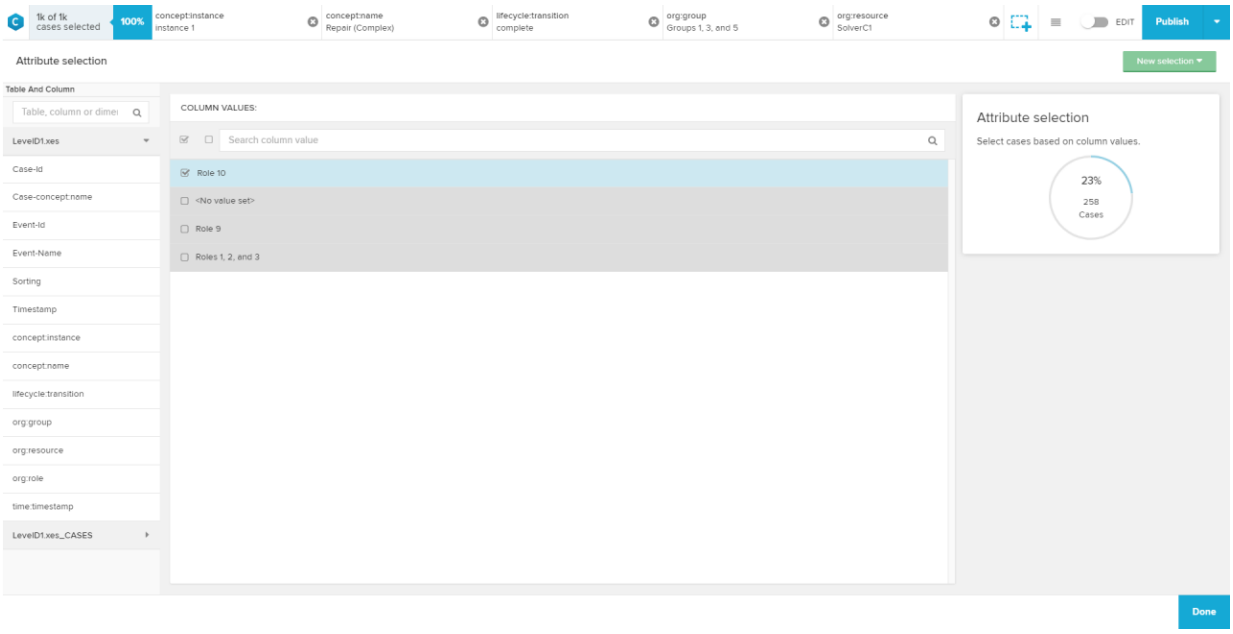
Now klick on “lifecycle:transition” and select “complete”



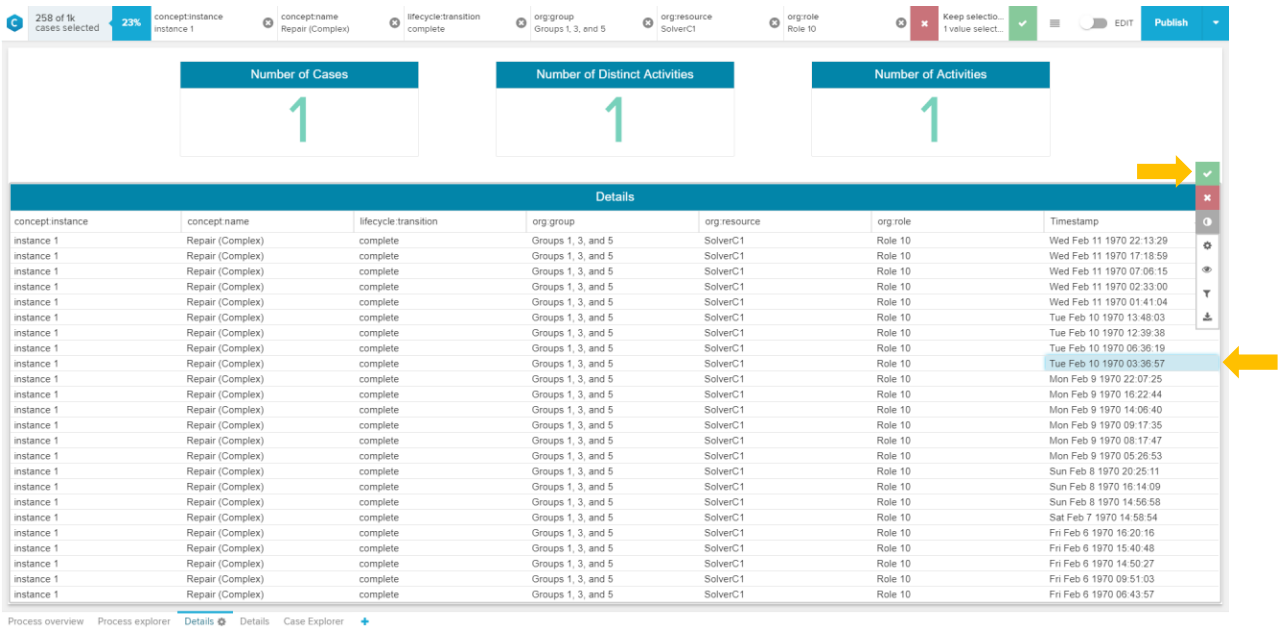
Now click on “org:group” and select “Groups 1,3, and 5”. Please note that Celonis marked the other options in Grey, as these are not possible anymore because the already applied filters exclude them.



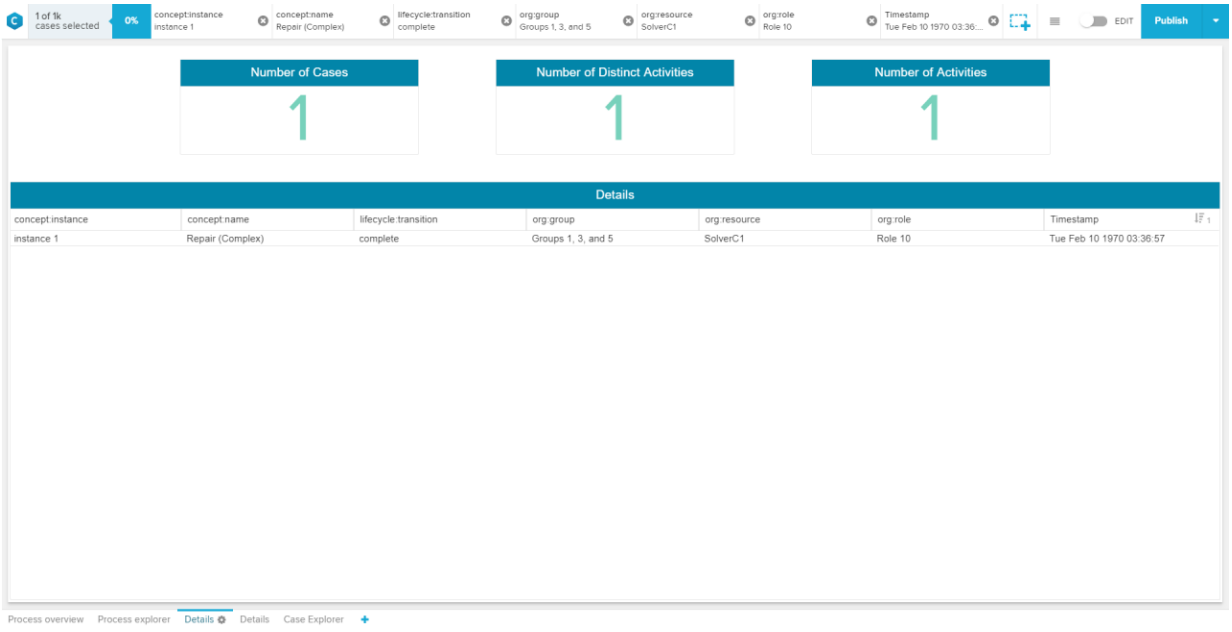
Now click on “org:resource” and select “SolverC1”



Now click on “org:role” and select “Role 10”

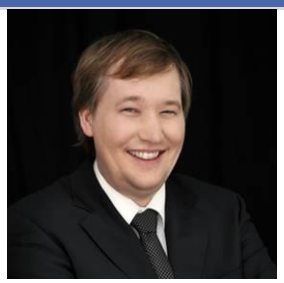
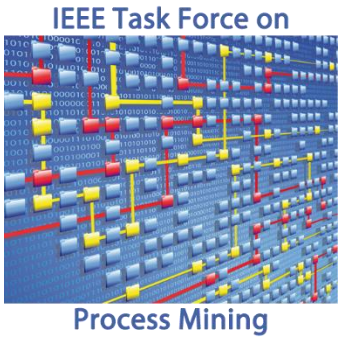


There is also another way of applying a filter. Simply click on one element of the OLAP table and comfirm the selection.



You can now see, that after applying all the filters, only one activity is left. You can see all set filters on the top of the screen. This shows that all attributes in the log were used.

Contact Information

WIL VAN DER AALST CHAIR	CHRISTIAN GÜNTHER VICE-CHAIR	ERIC VERBEEK SECRETARY
		
Tel +31 40 247 4295 w.m.p.v.d.aalst@tue.nl	**Tel** +31 64 1780680 christian@fluxicon.com	**Tel** +31 40 247 3755 h.m.w.verbeek@tue.nl

IEEE XES Working Group
IEEE Task Force on Process Mining
http://www.win.tue.nl/ieeetfpm