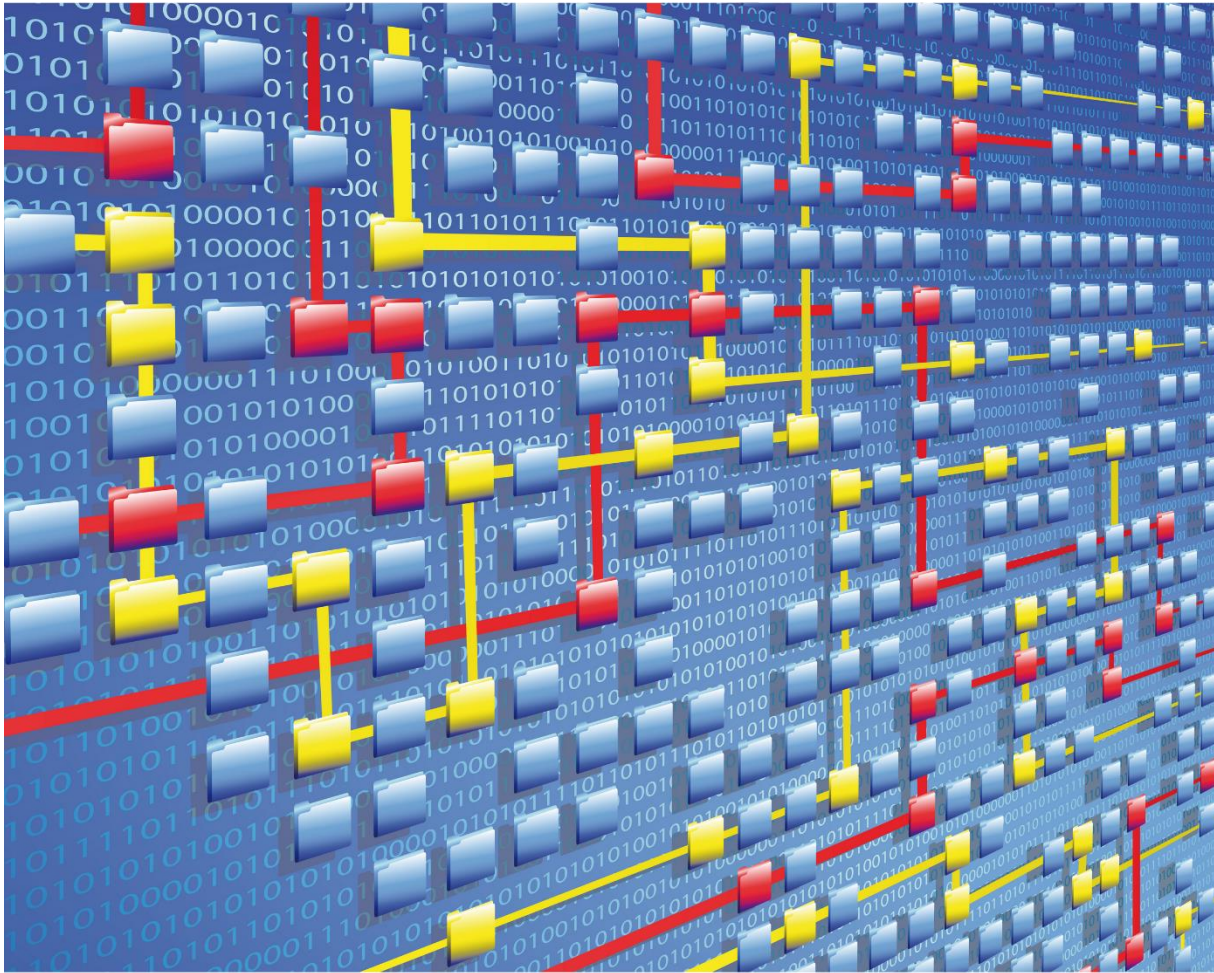


# IEEE Task Force on



# Process Mining

XES CERTIFICATION FOR  
APROMORE

# TABLE OF CONTENTS

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# TOOL

## Tool

NAME

Apromore

VENDOR

Apromore

VERSION

7.16

REQUESTED CERTIFICATION LEVELS

Import

A1-D1

Export

A1-D1



# META

## Meta

### AUTHORS

Shefali Sharma

### DATE

10/07/2020

### HISTORY

#### CHANGES

AUTHOR(S)	DATE	DESCRIPTION
Shefali Sharma	02/07/2020	Version 1.0
Shefali Sharma	10/07/2020	Version 2.0 – Identical screen dumps for export section.

# IMPORT

## Import

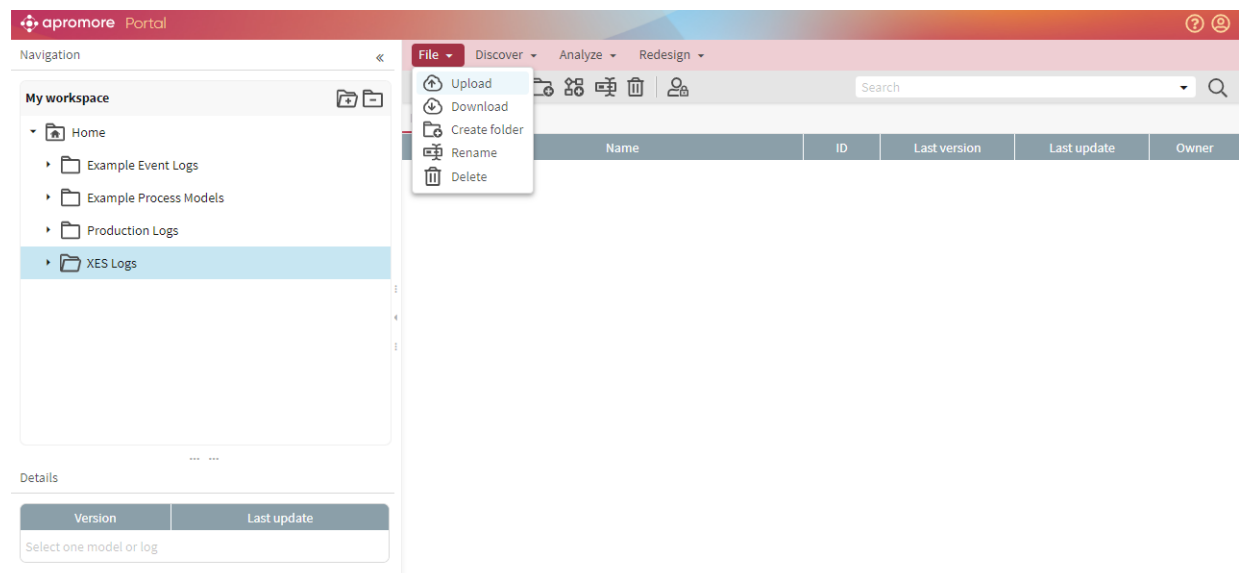
### REAL-LIFE LOGS

#### SANITIZED BPIC LOGS

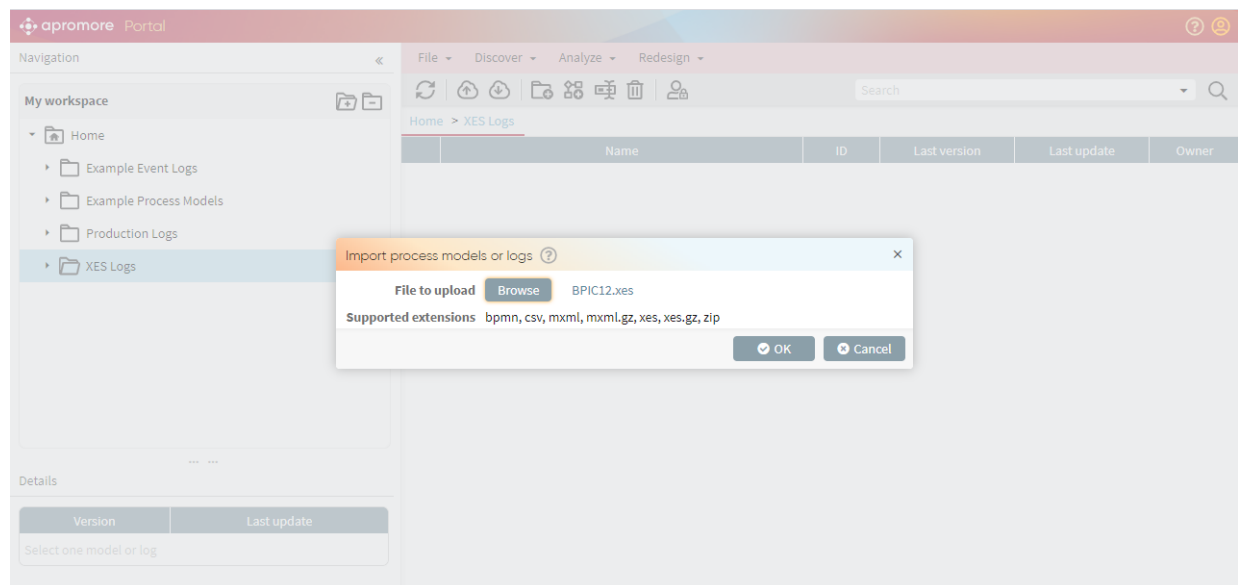
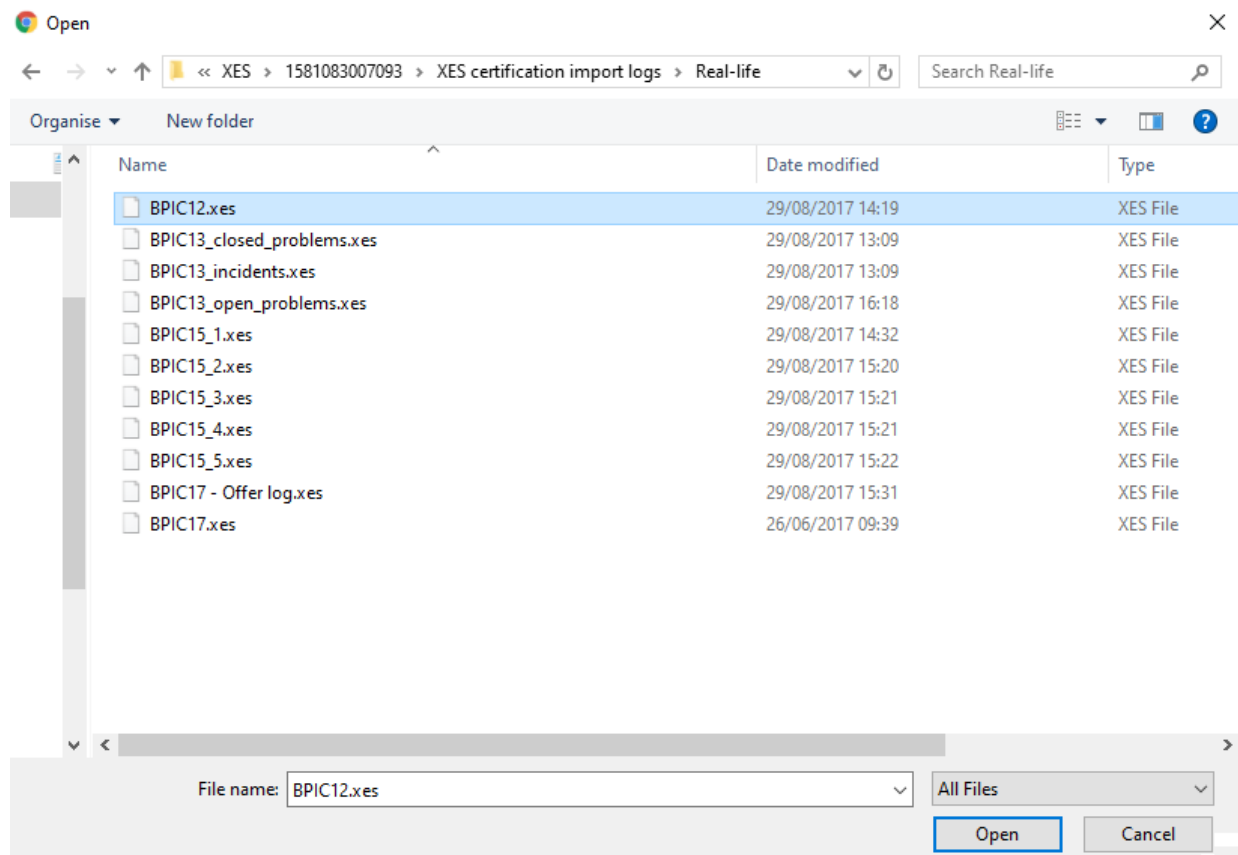
NAME	TRACES	EVENTS	SIZE IN KB
BPIC12	13,087	262,200	72,363
BPIC13_closed_problems	1,487	6,660	4,090
BPIC13_incidents	7,554	65,533	38,627
BPIC13_open_problems	819	2,351	1,370
BPIC15_1	1,199	52,217	40,261
BPIC15_2	832	44,354	33,616
BPIC15_3	1,409	59,681	45,673
BPIC15_4	1,053	47,293	36,131
BPIC15_5	1,156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

#### BPIC12

The log is imported successfully.



# IMPORT



# IMPORT

apromore Portal

Navigation

My workspace

- Home
- Example Event Logs
- Example Process Models
- Production Logs
- XES Logs**

Details

Version	Last update
Select one model or log	

File Discover Analyze Redesign

Home > XES Logs

Name	ID	Last version	Last update	Owner
BPIC12	1500			

apromore Process Discoverer > BPIC12

Visualization settings

View

Process map ☒ BPMN model

Perspective Activities

Overlay

Frequency Case

Duration Average

Abstraction settings

Abstract by Case frequency

Nodes 100

Arcs 10

Parallelism 40

Log statistics

Cases 100% 13.1K / 13.1K

Case variants 100% 4.4K / 4.4K

Events 100% 262.2K / 262.2K

Activities 100% 24 / 24

Temporal statistics

Case duration

Min 1.85 secs

Median 19.4 hrs

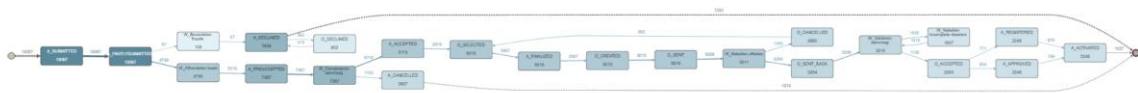
Average 1.23 wks

Max 4.51 mths

Log timeframe

30 Sep 11, 22:38

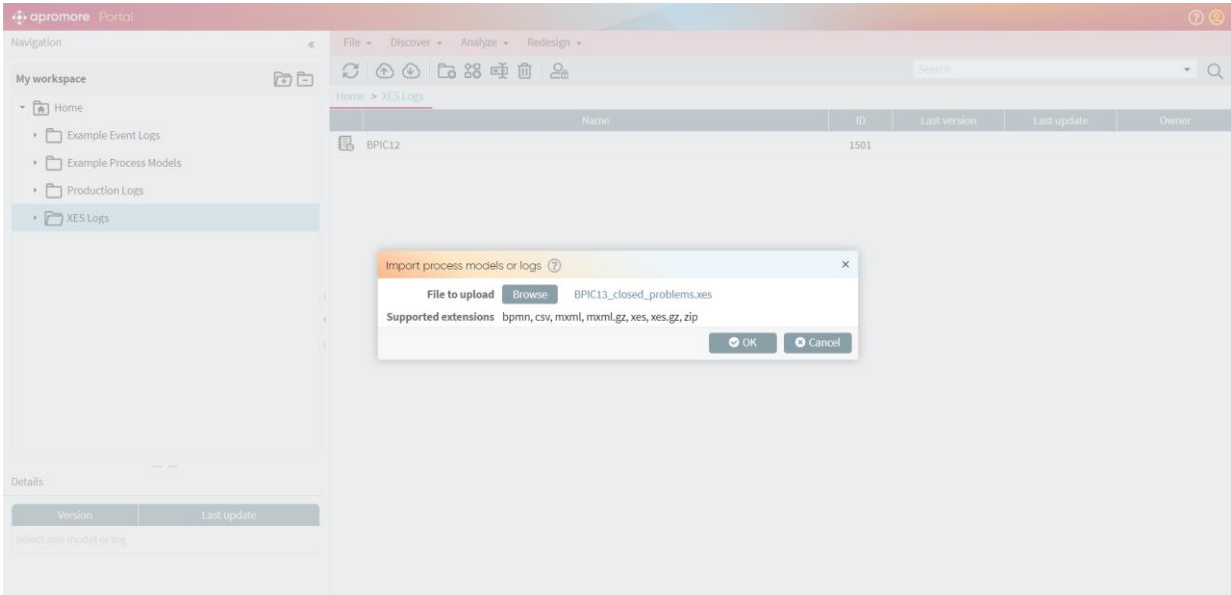
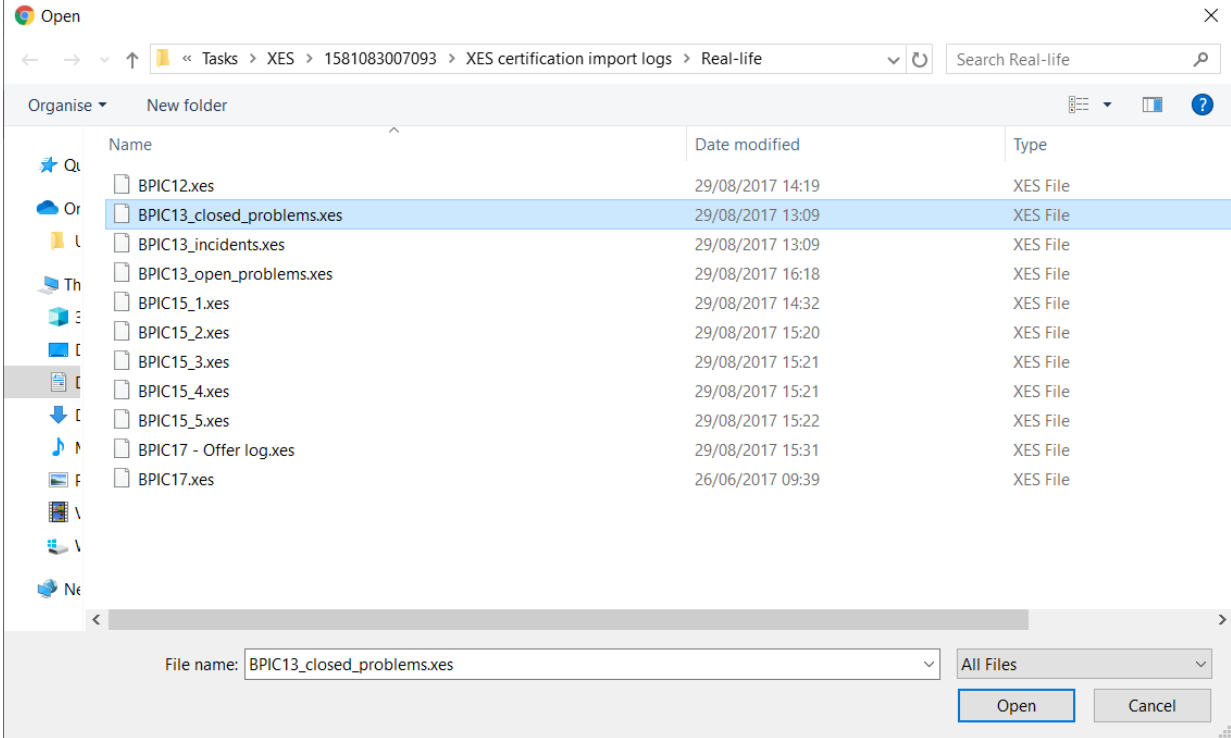
14 Mar 12, 15:04



## IMPORT

## BPIC13\_closed\_problems

The log is imported successfully.





# IMPORT

apromore Portal

Navigation

My workspace

- Home
  - Example Event Logs
  - Example Process Models
  - Production Logs
  - XES Logs

Details

Version	Last update
Select one model or log	

File Discover Analyze Redesign

Home > XES Logs

Name	ID	Last version	Last update	Owner
BPIC12	1501			
BPIC13_closed_problems	1502			

apromore Process Discoverer > BPIC13\_closed\_problems

Visualization settings

View

Process map ☒ BPMN model

Perspective Activities

Overlay

Frequency Case

Duration Average

Abstraction settings

Abstract by Case frequency

Nodes 100

Arcs 100

Parallelism 40

Log statistics

Cases 100% 1.5K / 1.5K

Case variants 100% 183 / 183

Events 100% 6.7K / 6.7K

Activities 100% 4 / 4

Temporal statistics

Case duration

Min 15 secs

Median 2.7 mths

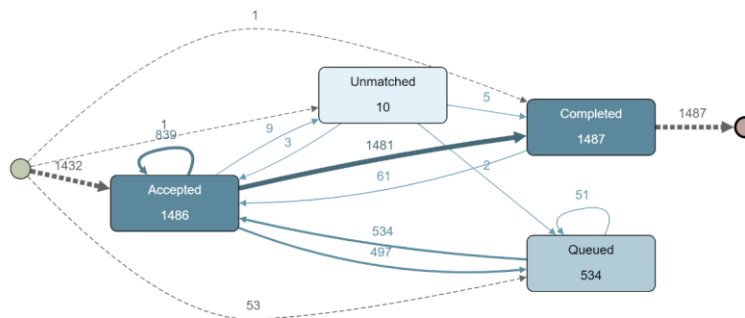
Average 5.88 mths

Max 6.18 yrs

Log timeframe

11 Jan 06, 14:49

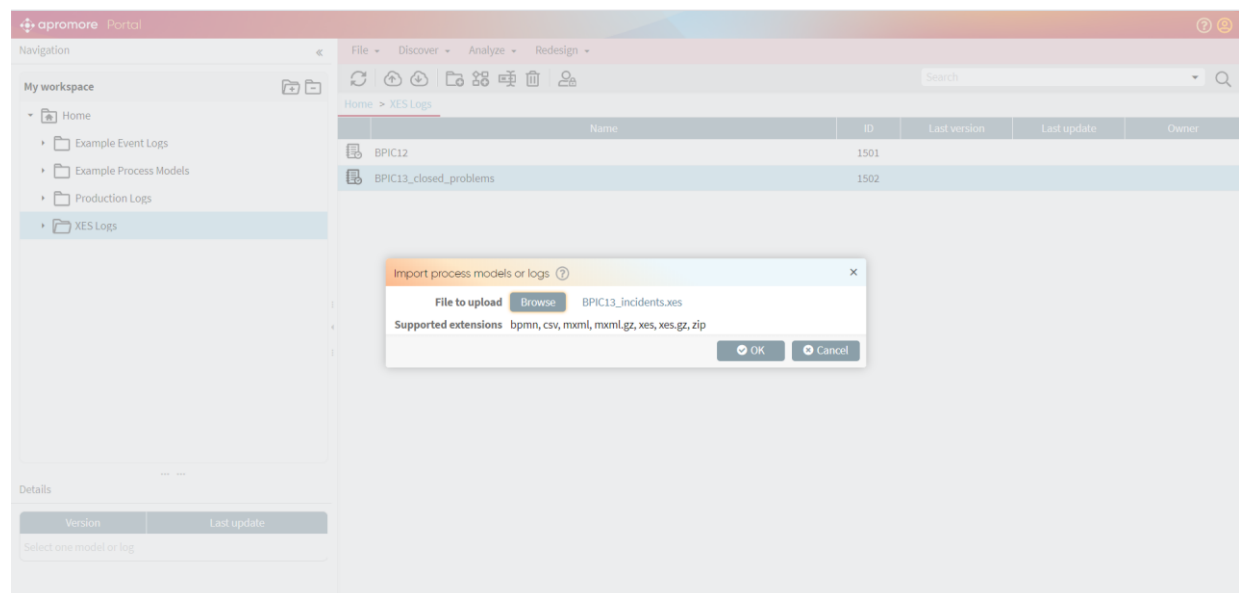
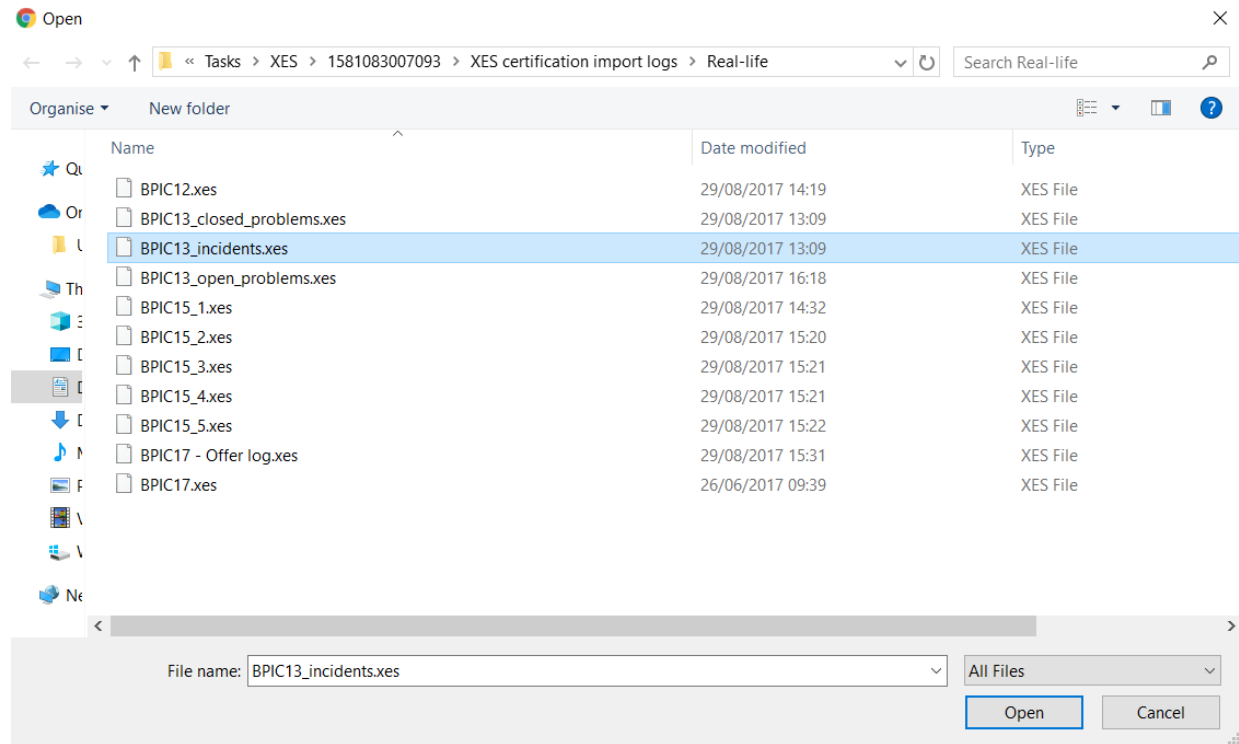
31 May 12, 21:49



# IMPORT

## BPIC13\_incidents

The log is imported successfully.



# IMPORT

apromore Portal

Navigation

My workspace

- Home
- Example Event Logs
- Example Process Models
- Production Logs
- XES Logs

Details

Version	Last update
Select one model or log	

File Discover Analyze Redesign

Home > XES Logs

Name	ID	Last version	Last update	Owner
BPIC12	1501			
BPIC13_closed_problems	1502			
BPIC13_incidents	1503			

apromore Process Discoverer > BPIC13\_incidents

Visualization settings

View

Process map ☒ BPMN model

Perspective ☒ Activities

Overlay

Frequency ☒ Case

Duration ☒ Average

Abstraction settings

Abstract by Case frequency

Nodes 100

Arcs 10

Parallelism 40

Log statistics

Cases 100% 7.6K / 7.6K

Case variants 100% 1.5K / 1.5K

Events 100% 65.5K / 65.5K

Activities 100% 4 / 4

Temporal statistics

Case duration

Min instant 31 Mar 10, 14:59

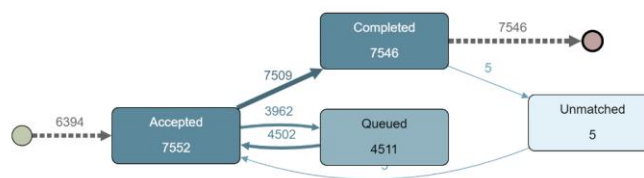
Median 1.08 wks

Average 1.73 wks

Max 2.11 yrs

Log timeframe

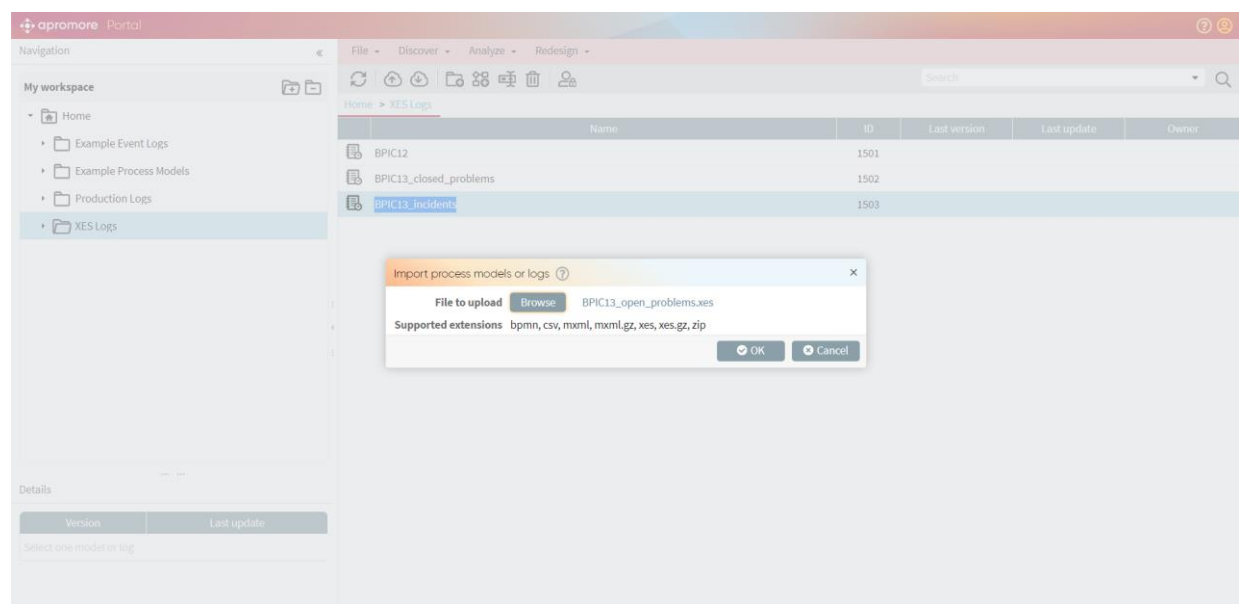
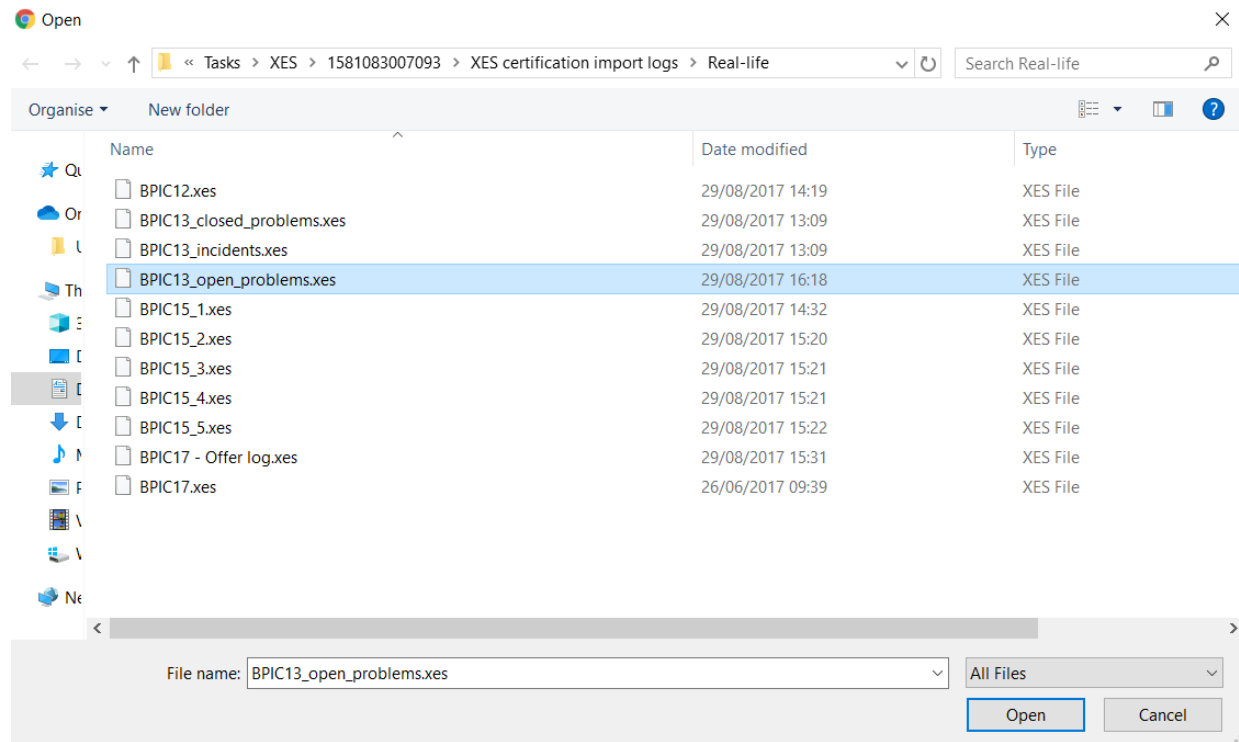
22 May 12, 23:22



# IMPORT

## BPIC13\_open\_problems

The log is imported successfully.



# IMPORT

apromore Portal

Navigation

My workspace

- Home
  - Example Event Logs
  - Example Process Models
  - Production Logs
  - XES Logs

Details

Version	Last update
Select one model or log	

File Discover Analyze Redesign

Home > XES Logs

Name	ID	Last version	Last update	Owner
BPIC12	1501			
BPIC13_closed_problems	1502			
BPIC13_incidents	1503			
BPIC13_open_problems	1504			

apromore Process Discoverer > BPIC13\_open\_problems

Visualization settings

View

Process map ☒ BPMN model

Perspective Activities

Overlay

Frequency Case

Duration Average

Abstraction settings

Abstract by Case frequency

Nodes 100

Arcs 10

Parallelism 40

Log statistics

Cases 100% 819 / 819

Case variants 100% 108 / 108

Events 100% 2.4K / 2.4K

Activities 100% 3 / 3

Temporal statistics

Case duration

Min 1.63 mins

Median 1.73 d

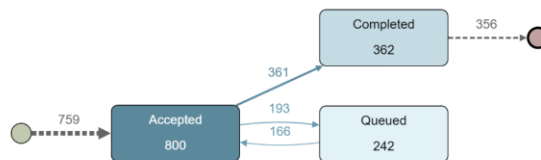
Average 1.93 mths

Max 4.82 yrs

Log timeframe

07 Nov 06, 09:00

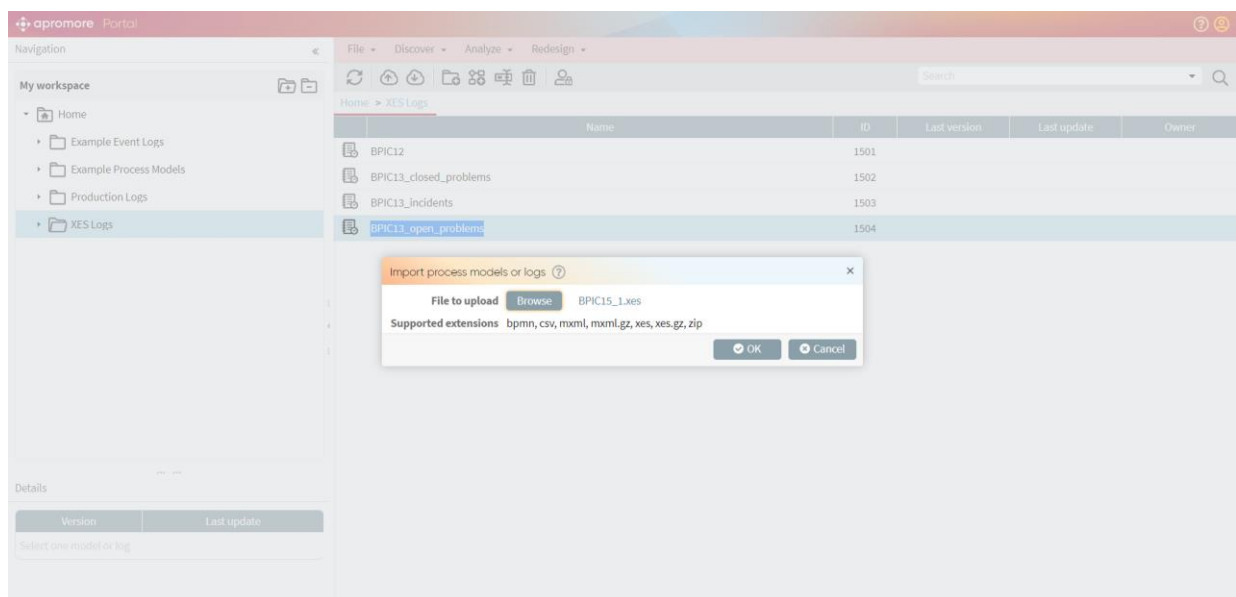
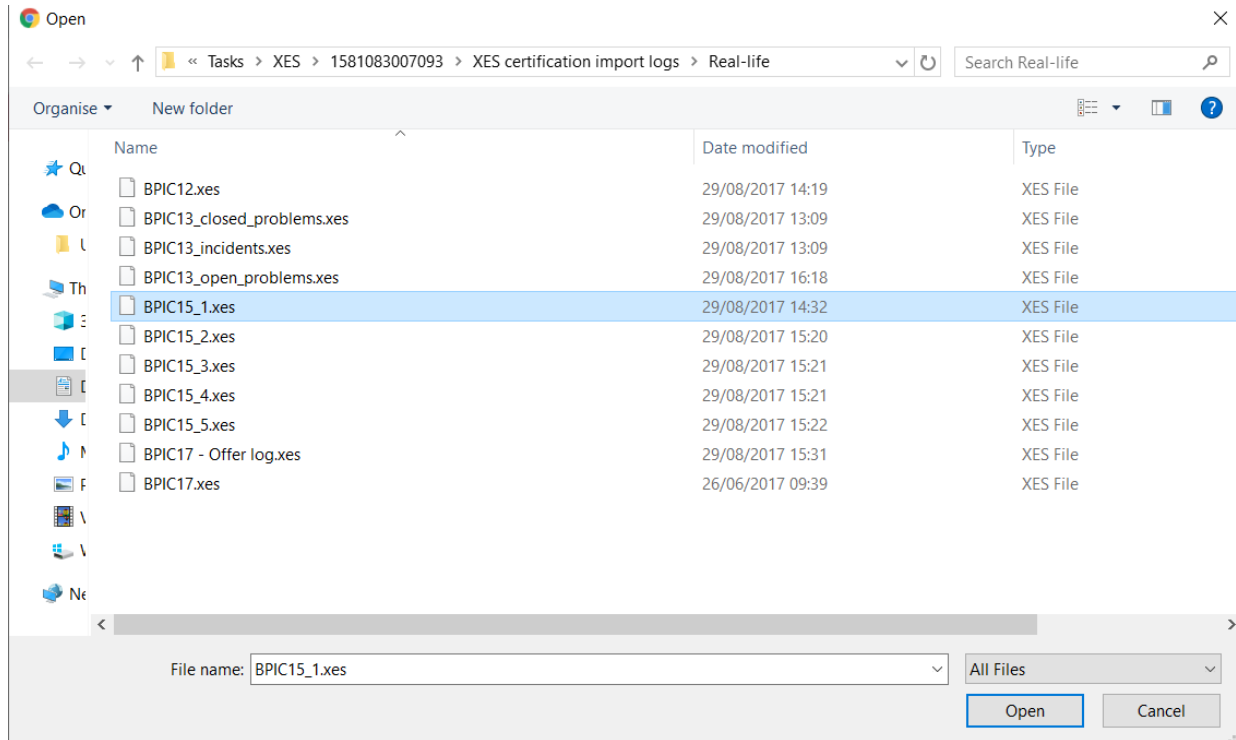
15 Jun 12, 10:19



# IMPORT

## BPIC15\_1

The log is imported successfully.



# IMPORT

The screenshot shows the 'apromore Portal' interface. On the left, the 'My workspace' sidebar has a tree view with folders: 'Home', 'Example Event Logs', 'Example Process Models', 'Production Logs', and 'XES Logs' (which is selected). The main area displays a table of logs under the 'XES Logs' folder.

Name	ID	Last version	Last update	Owner
BPIC12	1501			
BPIC13_closed_problems	1502			
BPIC13_incidents	1503			
BPIC13_open_problems	1504			
BPIC15_1	1505			

Below the table, there is a 'Details' section with a table showing 'Version' and 'Last update' columns, and a prompt 'Select one model or log'.

The screenshot shows the 'apromore Process Discoverer' interface for the process 'BPIC15\_1'. The interface is divided into several sections:

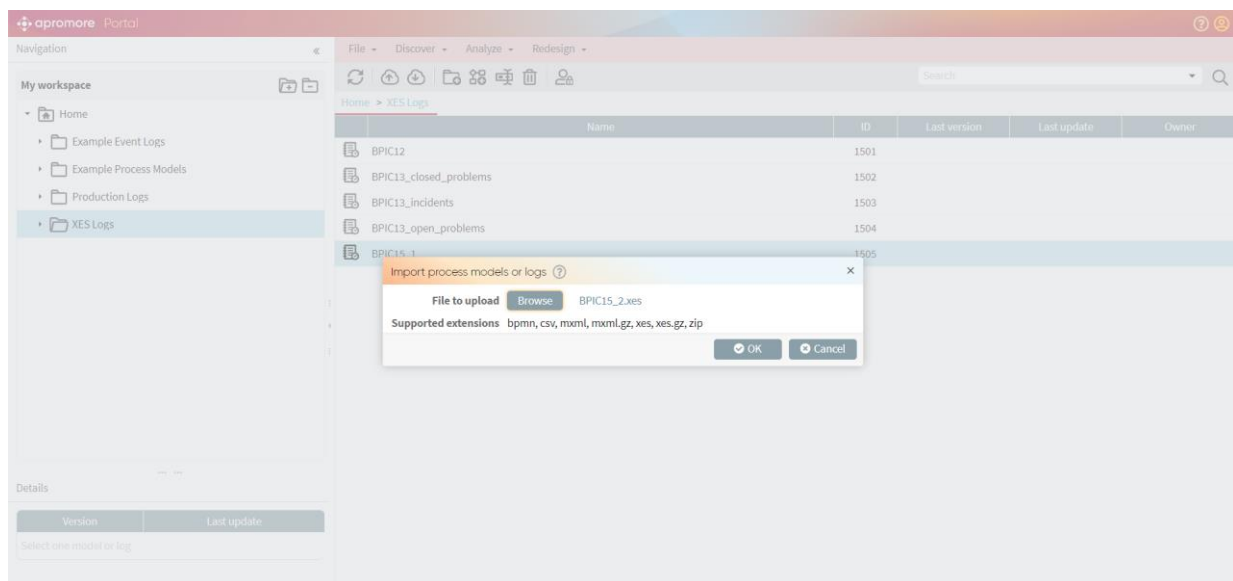
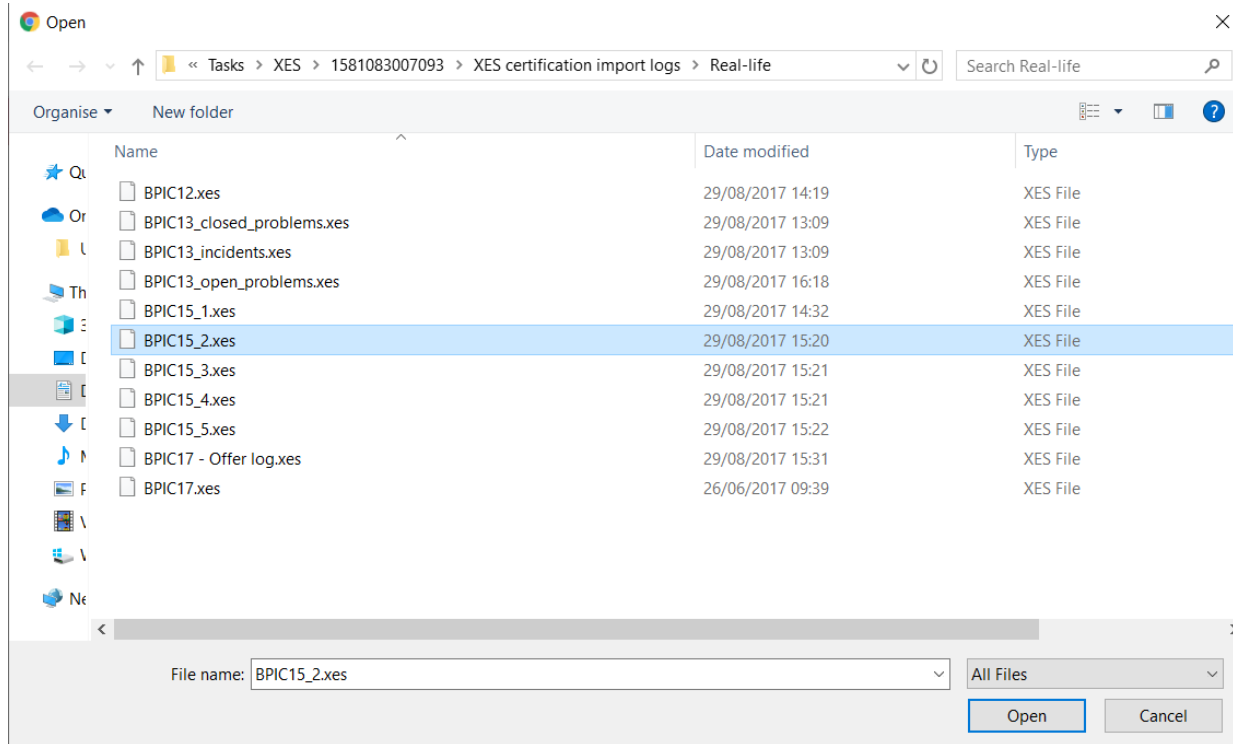
- Visualization settings:** Includes 'Process map' (BPMN model), 'Perspective' (Activities), and 'Overlay' (Frequency, Case, Duration, Average).
- Abstraction settings:** Includes 'Abstract by' (Case frequency), 'Nodes' (100), 'Arcs' (2), and 'Parallelism' (40).
- Log statistics:** Includes 'Cases' (100%, 1.2K / 1.2K), 'Case variants' (100%, 1.2K / 1.2K), 'Events' (100%, 52.2K / 52.2K), and 'Activities' (100%, 398 / 398).
- Temporal statistics:** Includes 'Case duration' (Min: 8.56 hrs, Median: 2.02 mths, Average: 3.15 mths, Max: 4.07 yrs) and 'Log timeframe' (Min: 04 Oct 10, 22:00, Max: 31 Jul 15, 22:00).



# IMPORT

## BPIC15\_2

The log is imported successfully.





# IMPORT

apromore Portal

Navigation

My workspace

- Home
- Example Event Logs
- Example Process Models
- Production Logs
- XES Logs

File Discover Analyze Redesign

Home > XES Logs

Name	ID	Last version	Last update	Owner
BPIC12	1501			
BPIC13_closed_problems	1502			
BPIC13_incidents	1503			
BPIC13_open_problems	1504			
BPIC15_1	1505			
BPIC15_2	1506			

Details

Version	Last update
Select one model or log	

apromore Process Discoverer > BPIC15\_2

Visualization settings

Process map BPMN model

Perspective Activities

Frequency Case

Duration Average

Abstraction settings

Abstract by Case frequency

Nodes 100

Arcs 10

Parallelism 40

Log statistics

Cases 100% 832 / 832

Case variants 100% 828 / 828

Events 100% 44.4K / 44.4K

Activities 100% 410 / 410

Temporal statistics

Case duration

Log timeframe

Min 4.66 d 28 Jun 10, 22:00

Median 3.57 mths

Average 5.26 mths

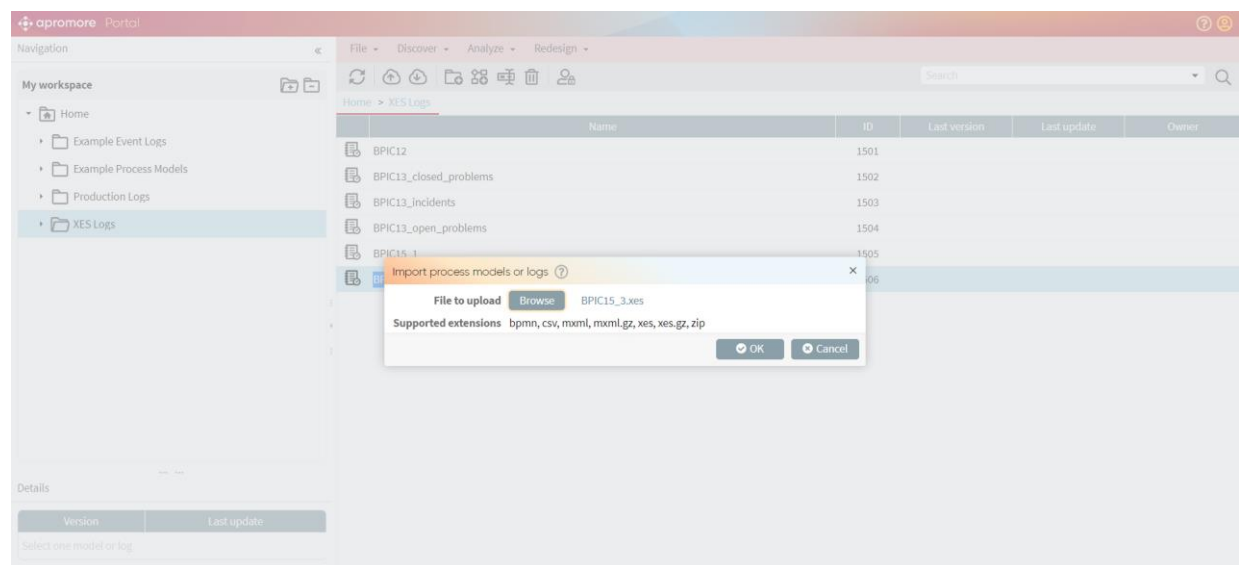
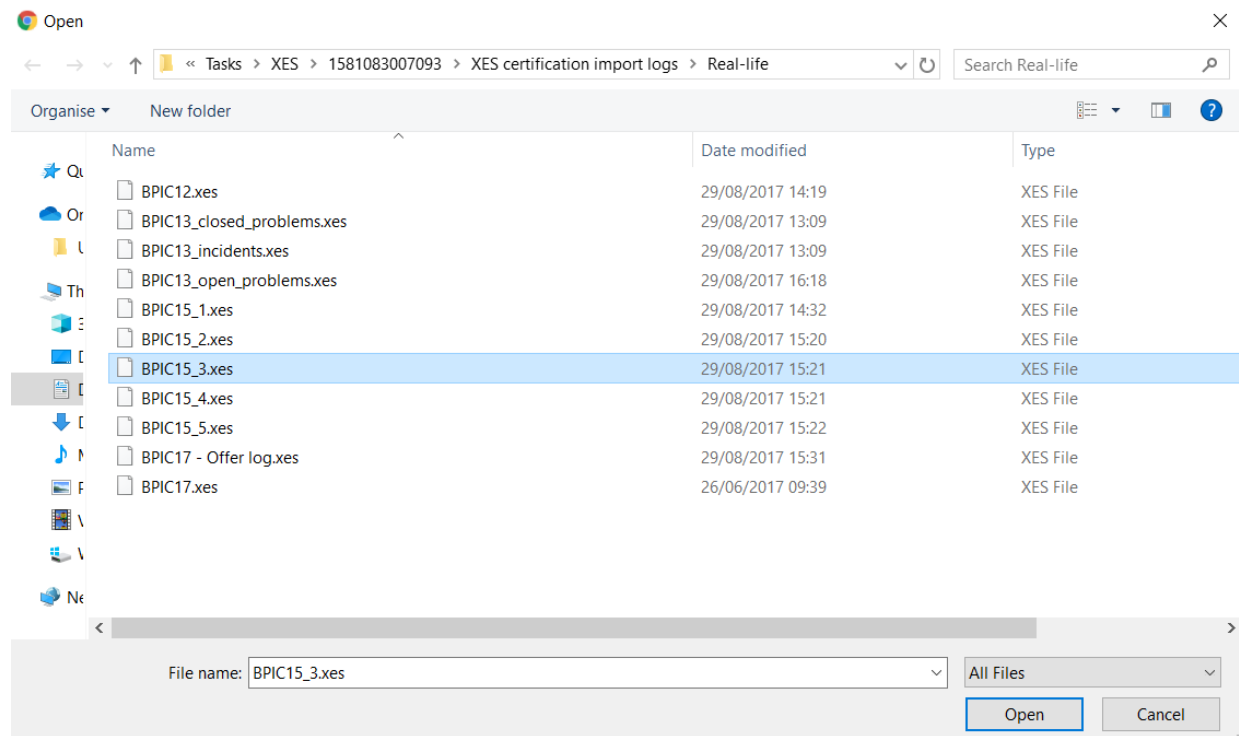
Max 3.63 yrs 03 Mar 15, 23:00



# IMPORT

## BPIC15\_3

The log is imported successfully.



# IMPORT

**apromore Portal**

Navigation

**My workspace**

- Home
  - Example Event Logs
  - Example Process Models
  - Production Logs
  - XES Logs**

Details

Version	Last update
Select one model or log	

File Discover Analyze Redesign

Home > XES Logs

Name	ID	Last version	Last update	Owner
BPIC12	1501			
BPIC13_closed_problems	1502			
BPIC13_incidents	1503			
BPIC13_open_problems	1504			
BPIC15_1	1505			
BPIC15_2	1506			
<b>BPIC15_3</b>	<b>1507</b>			

**apromore Process Discoverer > BPIC15\_3**

Visualization settings

View Process map ☒ BPMN model

Perspective Activities

Overlay Frequency Case

Duration Average

Abstraction settings

Abstract by Case frequency

Nodes 100

Arcs 10

Parallelism 40

Log statistics

Cases	Case variants	Events	Activities
100% 1.4K / 1.4K	100% 1.3K / 1.3K	100% 59.7K / 59.7K	100% 383 / 383

Temporal statistics

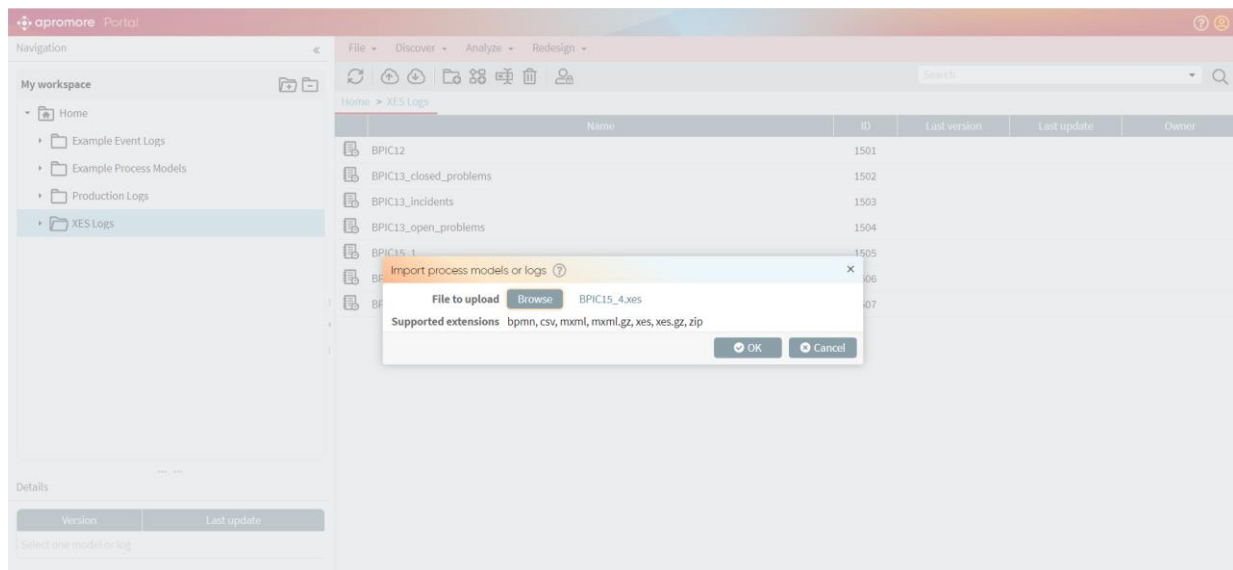
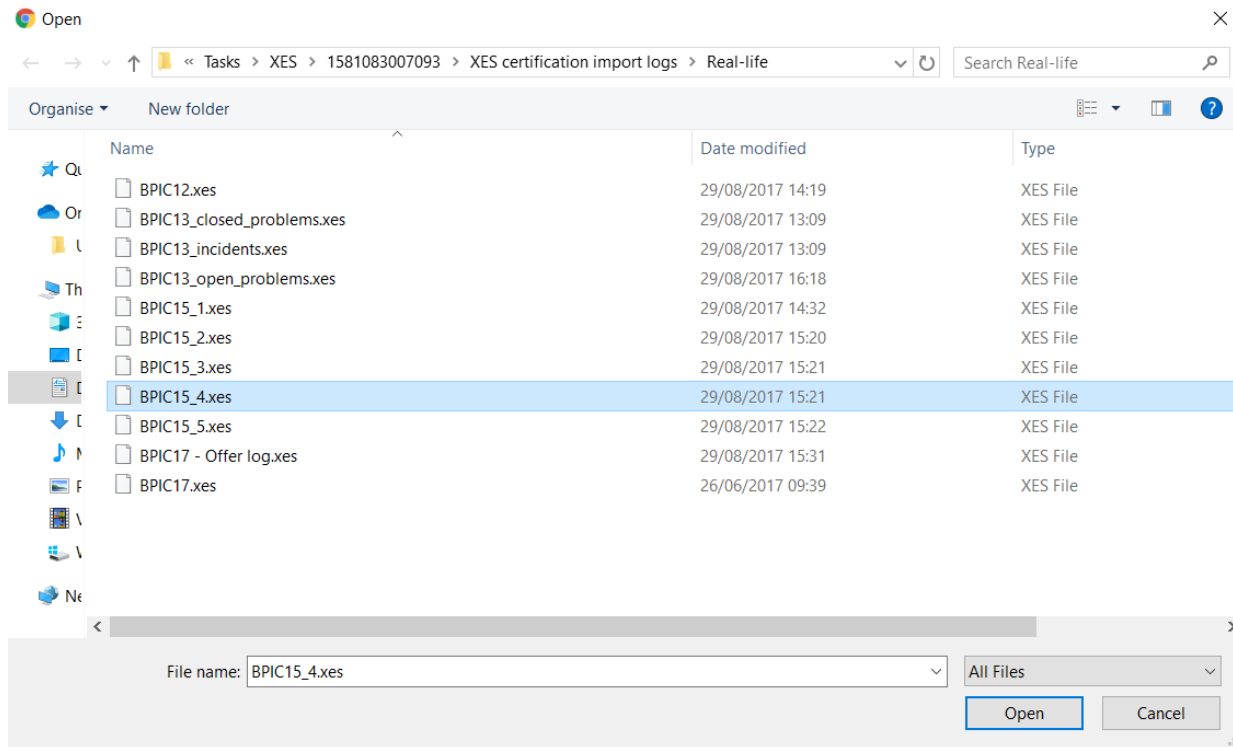
Case duration	Log timeframe
Min 3.75 mins	31 Dec 09, 23:00
Median 1.26 mths	
Average 2.05 mths	
Max 4.14 yrs	04 Mar 15, 23:00



# IMPORT

## BPIC15\_4

The log is imported successfully.



# IMPORT

The screenshot shows the apromore Portal interface. On the left, the 'My workspace' sidebar lists 'Home', 'Example Event Logs', 'Example Process Models', 'Production Logs', and 'XES Logs' (selected). The main area displays a table of XES Logs under the 'Home > XES Logs' breadcrumb. The table has columns for Name, ID, Last version, Last update, and Owner. The logs listed are BPIC12, BPIC13\_closed\_problems, BPIC13\_incidents, BPIC13\_open\_problems, BPIC15\_1, BPIC15\_2, BPIC15\_3, and BPIC15\_4 (selected). Below the table, a 'Details' section shows 'Version' and 'Last update' tabs, with a prompt to 'Select one model or log'.

Name	ID	Last version	Last update	Owner
BPIC12	1501			
BPIC13_closed_problems	1502			
BPIC13_incidents	1503			
BPIC13_open_problems	1504			
BPIC15_1	1505			
BPIC15_2	1506			
BPIC15_3	1507			
BPIC15_4	1508			

The screenshot shows the apromore Process Discoverer interface for BPIC15\_4. The top bar includes 'apromore Portal' and 'Process Discoverer > BPIC15\_4'. The interface is divided into several sections: 'Visualization settings' (Process map, BPMN model, Perspective, Activities), 'Abstraction settings' (Abstract by Case frequency, Nodes, Arcs, Parallelism), 'Log statistics' (Cases, Case variants, Events, Activities), and 'Temporal statistics' (Case duration, Log timeframe). The 'Log statistics' section shows 100% for all metrics. The 'Temporal statistics' section shows a case duration range from 11.26 hrs to 2.54 yrs and a log timeframe from 17 Nov 09, 23:00 to 04 Mar 15, 23:00.

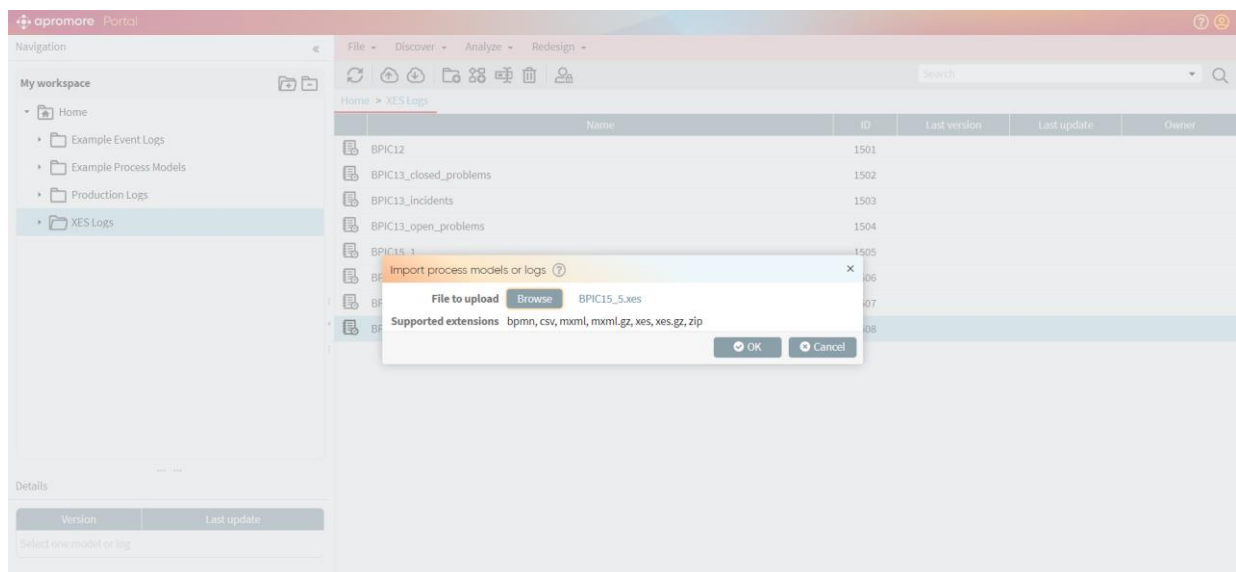
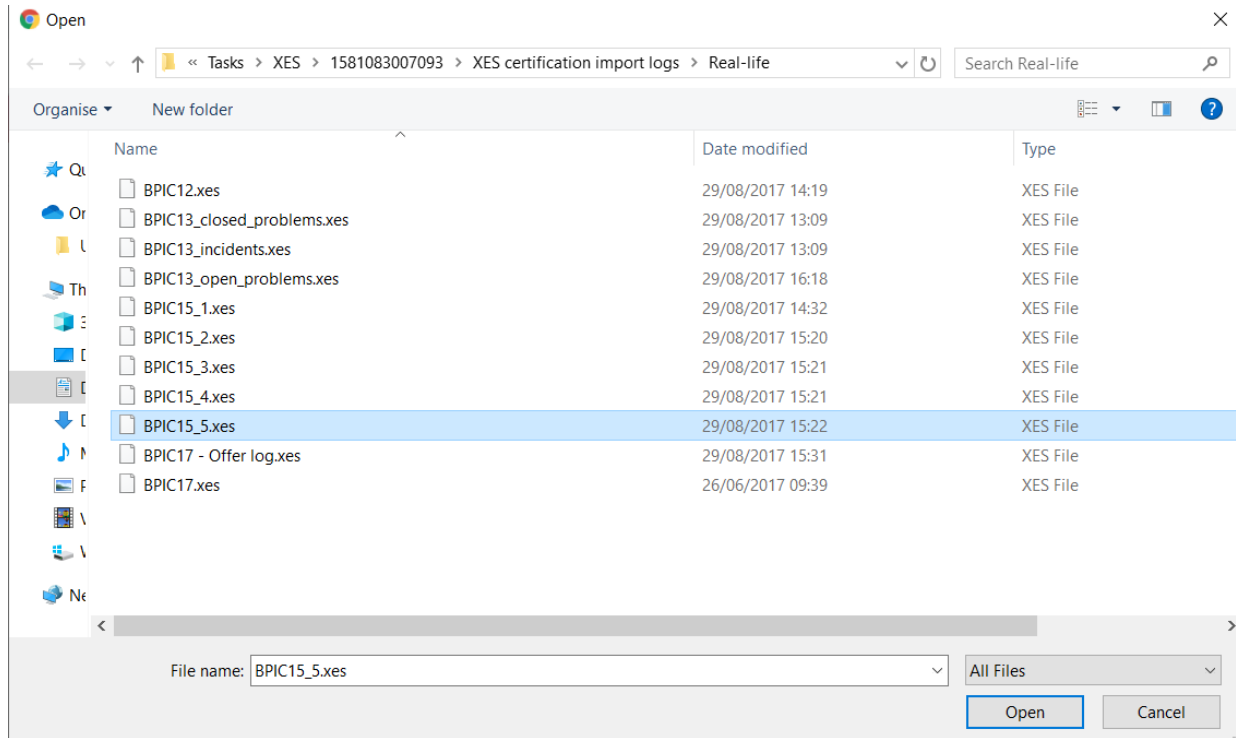
Case duration	Log timeframe
Min 11.26 hrs	17 Nov 09, 23:00
Median 3.17 mths	
Average 3.84 mths	
Max 2.54 yrs	04 Mar 15, 23:00



# IMPORT

## BPIC15\_5

The log is imported successfully.



# IMPORT

The screenshot shows the apromore Portal interface. On the left, the 'My workspace' sidebar lists 'Home', 'Example Event Logs', 'Example Process Models', 'Production Logs', and 'XES Logs' (selected). The main area displays a table of XES Logs under the 'Home > XES Logs' breadcrumb. The table has columns for Name, ID, Last version, Last update, and Owner. The logs listed are BPIC12, BPIC13\_closed\_problems, BPIC13\_incidents, BPIC13\_open\_problems, BPIC15\_1, BPIC15\_2, BPIC15\_3, BPIC15\_4, and BPIC15\_5. Below the table, a 'Details' section shows 'Version' and 'Last update' tabs, with a prompt to 'Select one model or log'.

Name	ID	Last version	Last update	Owner
BPIC12	1501			
BPIC13_closed_problems	1502			
BPIC13_incidents	1503			
BPIC13_open_problems	1504			
BPIC15_1	1505			
BPIC15_2	1506			
BPIC15_3	1507			
BPIC15_4	1508			
BPIC15_5	1509			

The screenshot shows the apromore Process Discoverer interface for BPIC15\_5. The top bar includes 'apromore Process Discoverer > BPIC15\_5'. The interface is divided into several sections: 'Visualization settings' (Process map, BPMN model, Perspective, Activities), 'Abstraction settings' (Abstract by: Case frequency, Nodes, Arcs, Parallelism), 'Log statistics' (Cases, Case variants, Events, Activities), and 'Temporal statistics' (Case duration, Log timeframe). The 'Log statistics' section shows 100% for Cases, Case variants, Events, and Activities. The 'Temporal statistics' section shows a Case duration of 1 d, 2.54 mths, 3.23 mths, 3.68 yrs and a Log timeframe of 22 Nov 09, 23:00 to 03 Mar 15, 14:31.

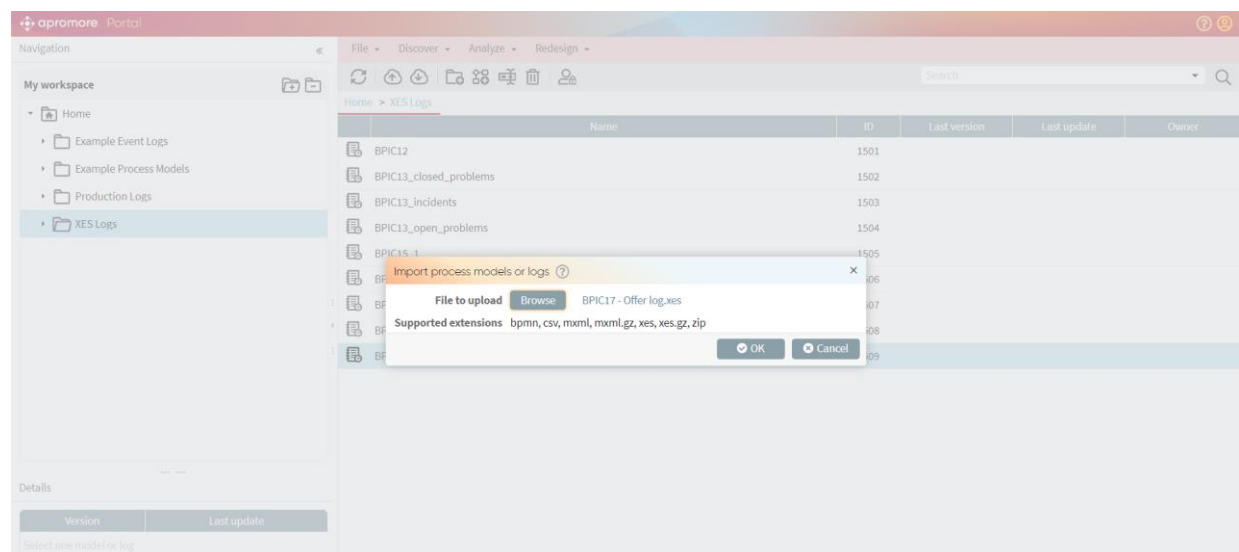
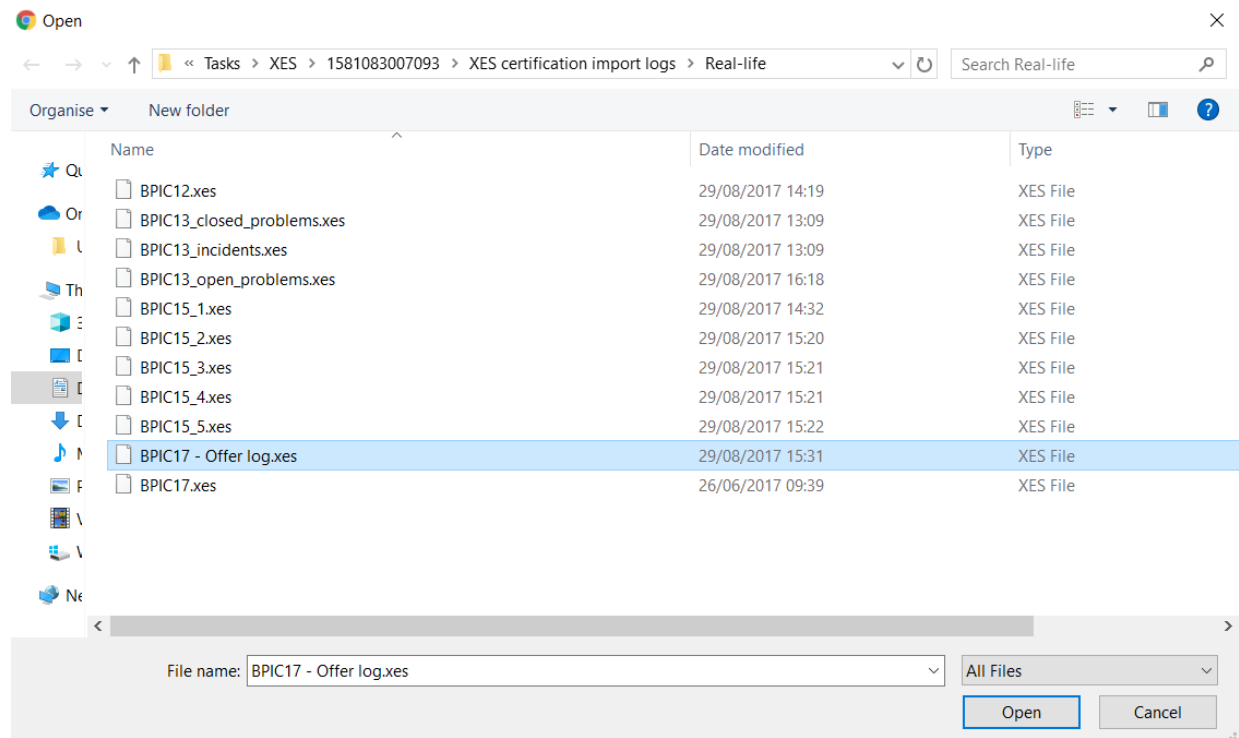
Log statistics	Temporal statistics
Cases: 100% 1.2K / 1.2K	Case duration: Min 1 d, Median 2.54 mths, Average 3.23 mths, Max 3.68 yrs
Case variants: 100% 1.2K / 1.2K	Log timeframe: 22 Nov 09, 23:00 to 03 Mar 15, 14:31
Events: 100% 59.1K / 59.1K	
Activities: 100% 389 / 389	



# IMPORT

## BPIC17 – Offer log

The log is imported successfully.





# IMPORT

apromore Portal

Navigation

File Discover Analyze Redesign

My workspace

- Home
- Example Event Logs
- Example Process Models
- Production Logs
- XES Logs

Details

Version	Last update
Select one model or log	

Home > XES Logs

Name	ID	Last version	Last update	Owner
BPIC12	1501			
BPIC13_closed_problems	1502			
BPIC13_incidents	1503			
BPIC13_open_problems	1504			
BPIC15_1	1505			
BPIC15_2	1506			
BPIC15_3	1507			
BPIC15_4	1508			
BPIC15_5	1509			
BPIC17 - Offer log	1510			

apromore Process Discoverer > BPIC17 - Offer log

Visualization settings

Process map ☒ BPMN model

Perspective ☐ Activities

Case ☐ Frequency

Average ☐ Duration

Abstraction settings

Abstract by Case frequency

Nodes 100

Arcs 10

Parallelism 40

Log statistics

Cases 100% 43K / 43K

Case variants 100% 16 / 16

Events 100% 193.8K / 193.8K

Activities 100% 8 / 8

Temporal statistics

Case duration

Min 4.91 secs

Median 2.27 wks

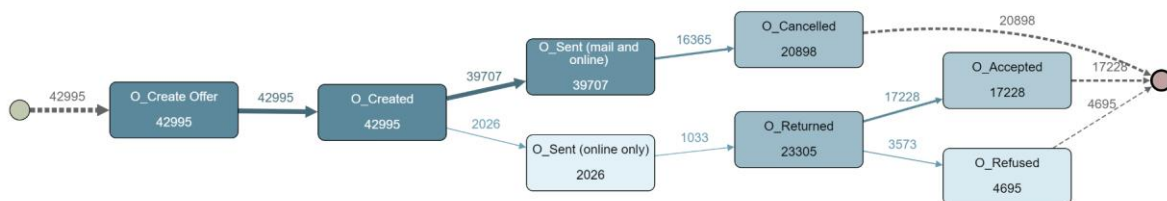
Average 2.72 wks

Max 5.49 mths

Log timeframe

02 Jan 16, 09:17

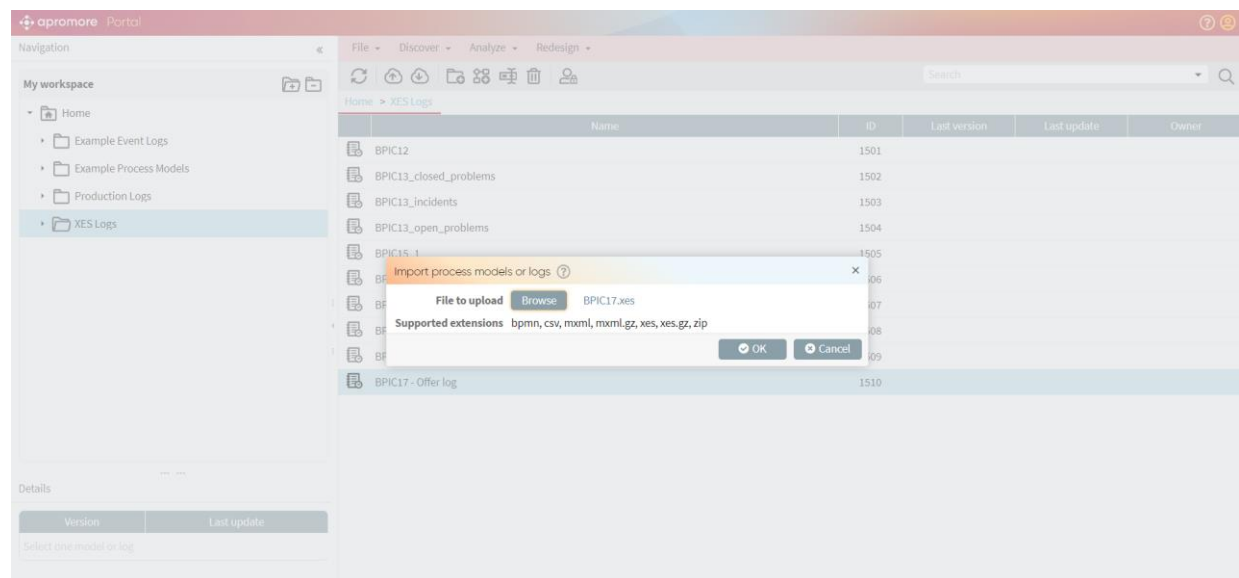
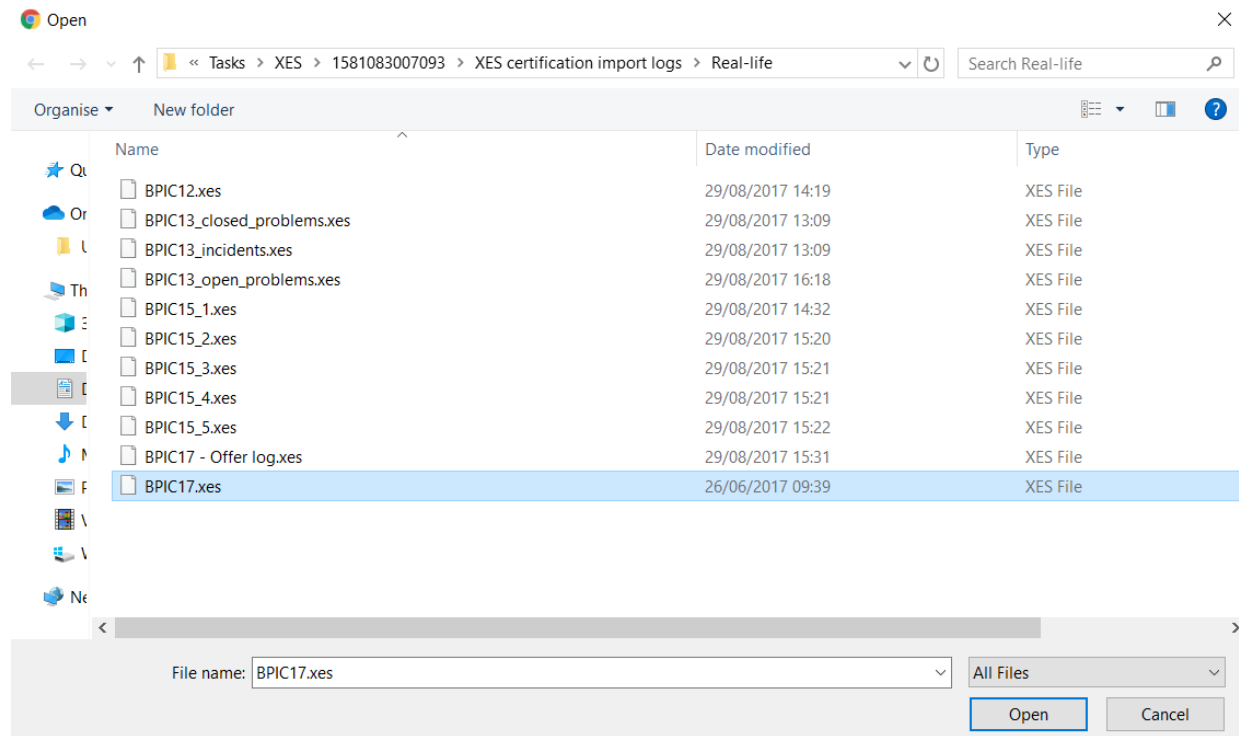
01 Feb 17, 11:23



# IMPORT

## BPIC17

The log is imported successfully.



# IMPORT

**apromore Portal**

Navigation: File - Discover - Analyze - Redesign

My workspace

- Home
  - Example Event Logs
  - Example Process Models
  - Production Logs
  - XES Logs**

Details

Version	Last update
Select one model or log	

Home > XES Logs

Name	ID	Last version	Last update	Owner
BPIC12	1501			
BPIC13_closed_problems	1502			
BPIC13_incidents	1503			
BPIC13_open_problems	1504			
BPIC15_1	1505			
BPIC15_2	1506			
BPIC15_3	1507			
BPIC15_4	1508			
BPIC15_5	1509			
BPIC17 - Offer log	1510			
<b>BPIC17</b>	<b>1511</b>			

**apromore Process Discoverer > BPIC17**

Visualization settings

View: Process map (selected), BPMN model, Perspective, Activities

Overlay: Frequency (selected), Case, Duration, Average

Abstraction settings

Abstract by: Case frequency

Nodes: High (selected), Low

Arcs: 100 (selected), 10

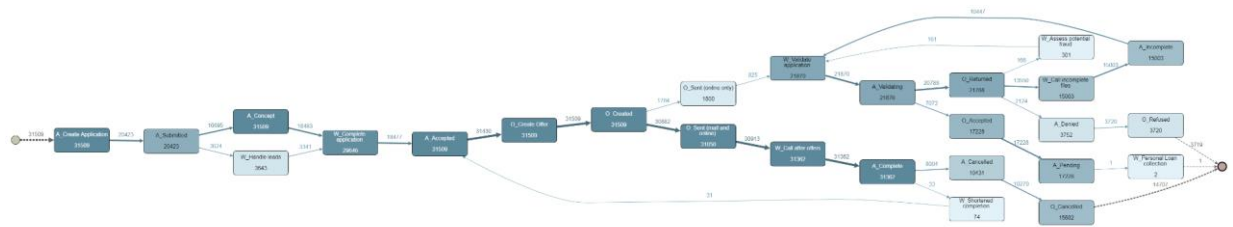
Parallelism: 40 (selected)

Log statistics

Cases	Case variants	Events	Activities
100%	100%	100%	100%
31.5K / 31.5K	3.9K / 3.9K	1.2M / 1.2M	26 / 26

Temporal statistics

Case duration	Log timeframe
Min: 3.35 mins	01 Jan 16, 09:51
Median: 2.73 wks	
Average: 3.13 wks	
Max: 9.4 mths	01 Feb 17, 14:11



# IMPORT

## ARTIFICIAL LOGS

### FILTERED REPAIR EXAMPLE LOGS

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

# IMPORT

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

## ATTRIBUTE TYPES AND VALUES

KEYS	TYPE	VALUES
<b>concept:instance</b> <b>Key 2</b>	string	instance 1 instance 2 instance 3 instance 4
<b>concept:name (A1 and C1 logs)</b>	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
<b>concept:name (other logs)</b> <b>Key 1</b>	string	Analyze Defect Archive Repair Inform User Register Repair (Simple) Repair (Complex) Restart Repair Test Repair
<b>lifecycle:transition</b> <b>Key 6</b>	string	start complete
<b>org:group</b> <b>{0,1,2} 2Sa!! +1 &lt;x&gt;</b>	string	Group - Group 1, 3, and 5 Group 2 and 4
<b>org:resource</b> <b>Key 3</b>	string	SolverC1 SolverC2 SolverC3 SolverS1 SolverS2 SolverS3 System Tester1 Tester2

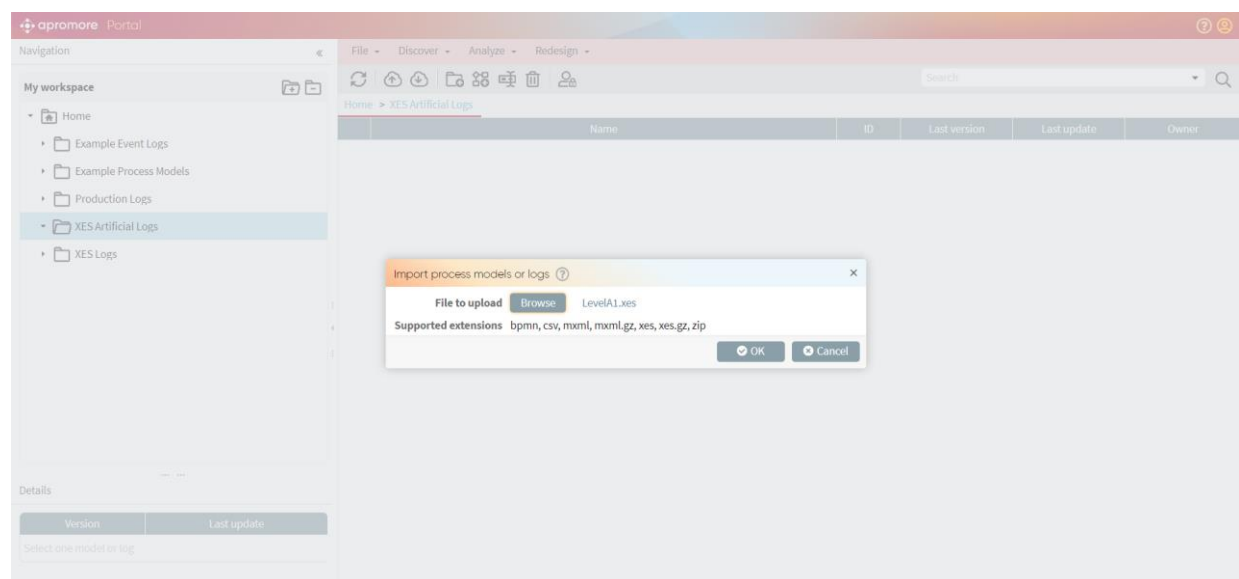
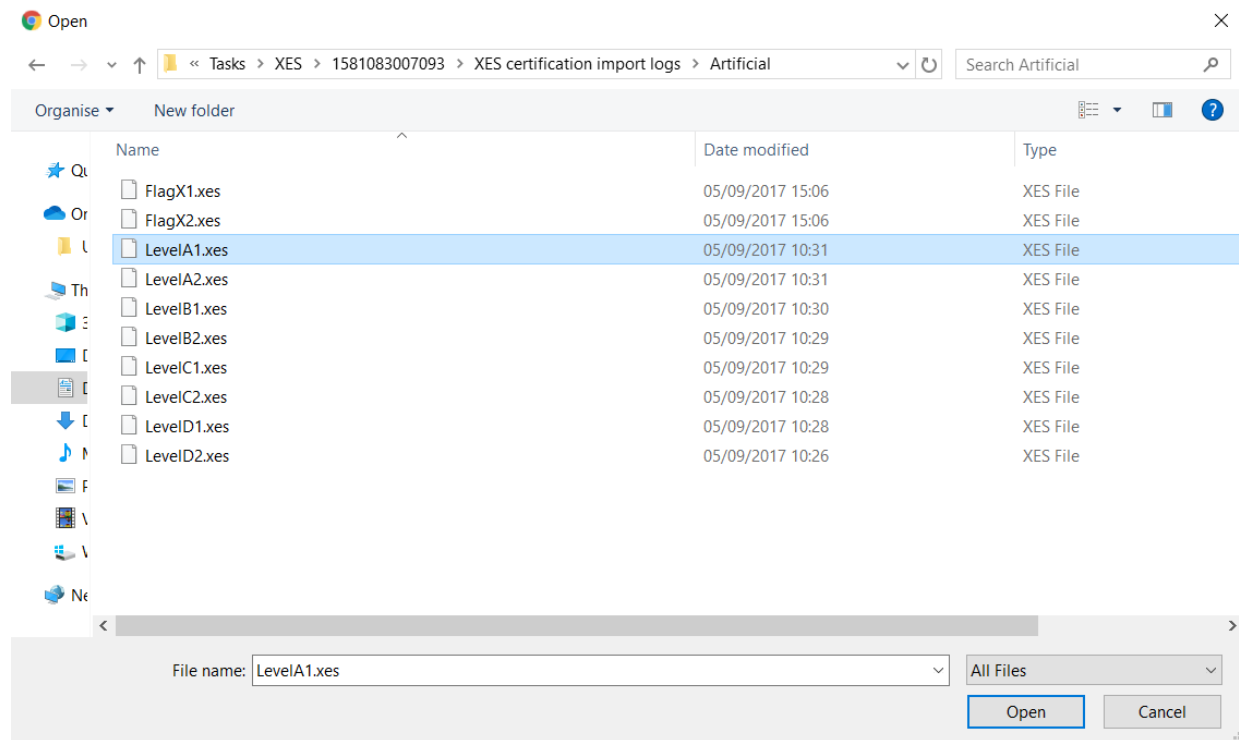
# IMPORT

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

# IMPORT

## Level A1

The log is imported successfully.

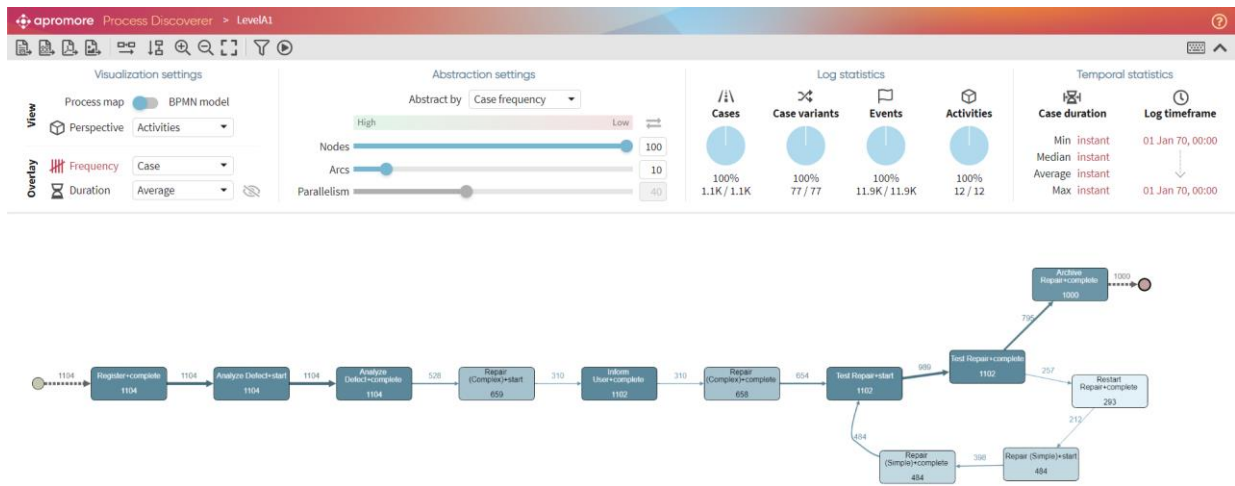


# IMPORT

The screenshot shows the APMORE Portal interface. On the left, the 'My workspace' sidebar lists folders: Home, Example Event Logs, Example Process Models, Production Logs, XES Artificial Logs (selected), and XES Logs. The main area displays a table of logs under the 'XES Artificial Logs' folder. The table has columns: Name, ID, Last version, Last update, and Owner. One log is listed: LevelA1 with ID 1512. Below the table, there are buttons for 'Version' and 'Last update', and a text input field labeled 'Select one model or log'.

Name	ID	Last version	Last update	Owner
LevelA1	1512			

The concept:name attributes contained in the log were used.

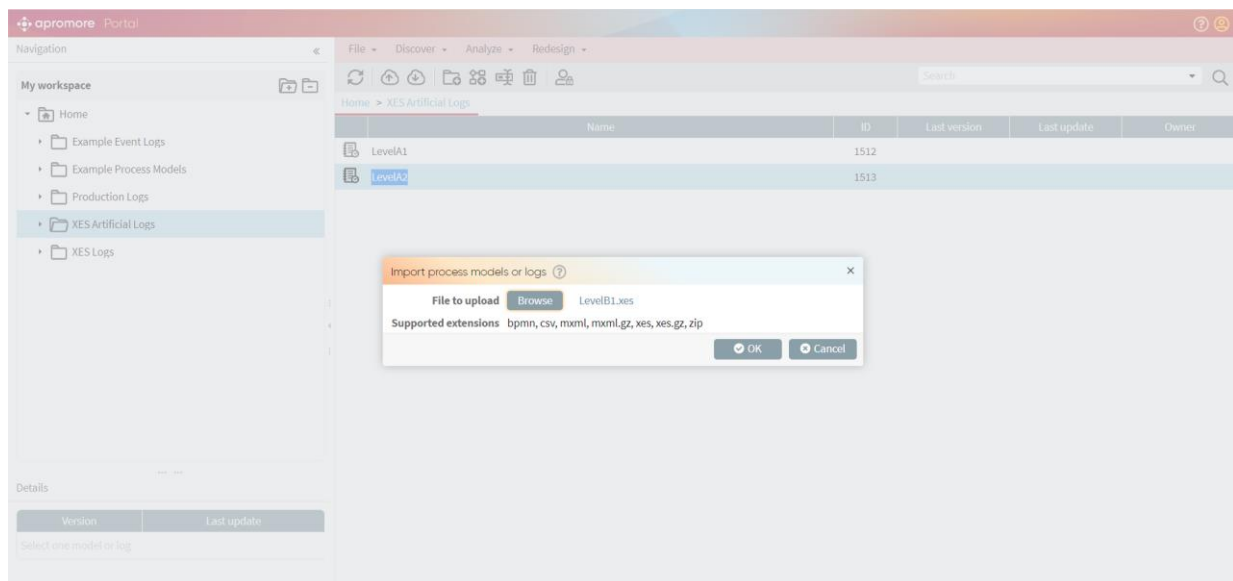
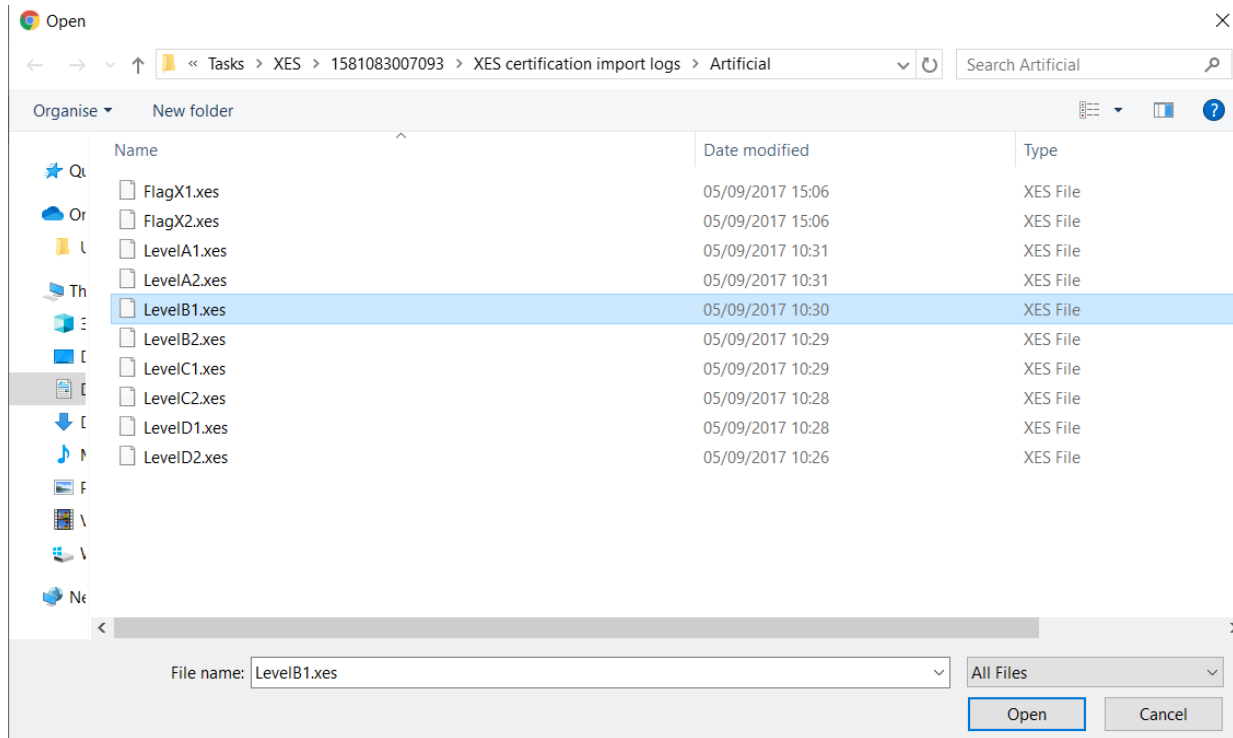




# IMPORT

## Level B1

The log is imported successfully.



# IMPORT

Name	ID	Last version	Last update	Owner
LevelA1	1512			
LevelA2	1513			
LevelB1	1514			

The concept:name, lifecycle:transition, and time:timestamp attributes contained in the log were used.



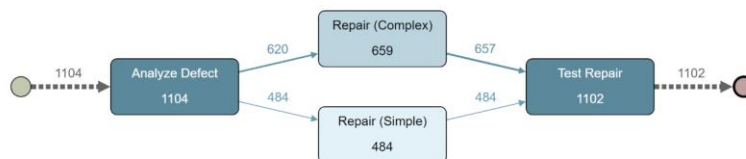
# IMPORT

The following screenshot shows that lifecycle:transition can be used for the purpose of filtering. Eg: We can filter the log and retain events with “Start” status.

The screenshot shows the 'Filter log: LevelB1' interface. On the left, there are tabs for 'Case' and 'Event', with 'Event' selected. Below these are 'Attribute' and 'Timeframe' filters. The main area shows a table of events with columns for 'Value (1 / 2)', 'Total', and 'Frequency'. The 'start' event is selected, showing a total of 4122 and a frequency of 34.77%.

Value (1 / 2)	Total	Frequency
complete	7733	65.23%
start	4122	34.77%

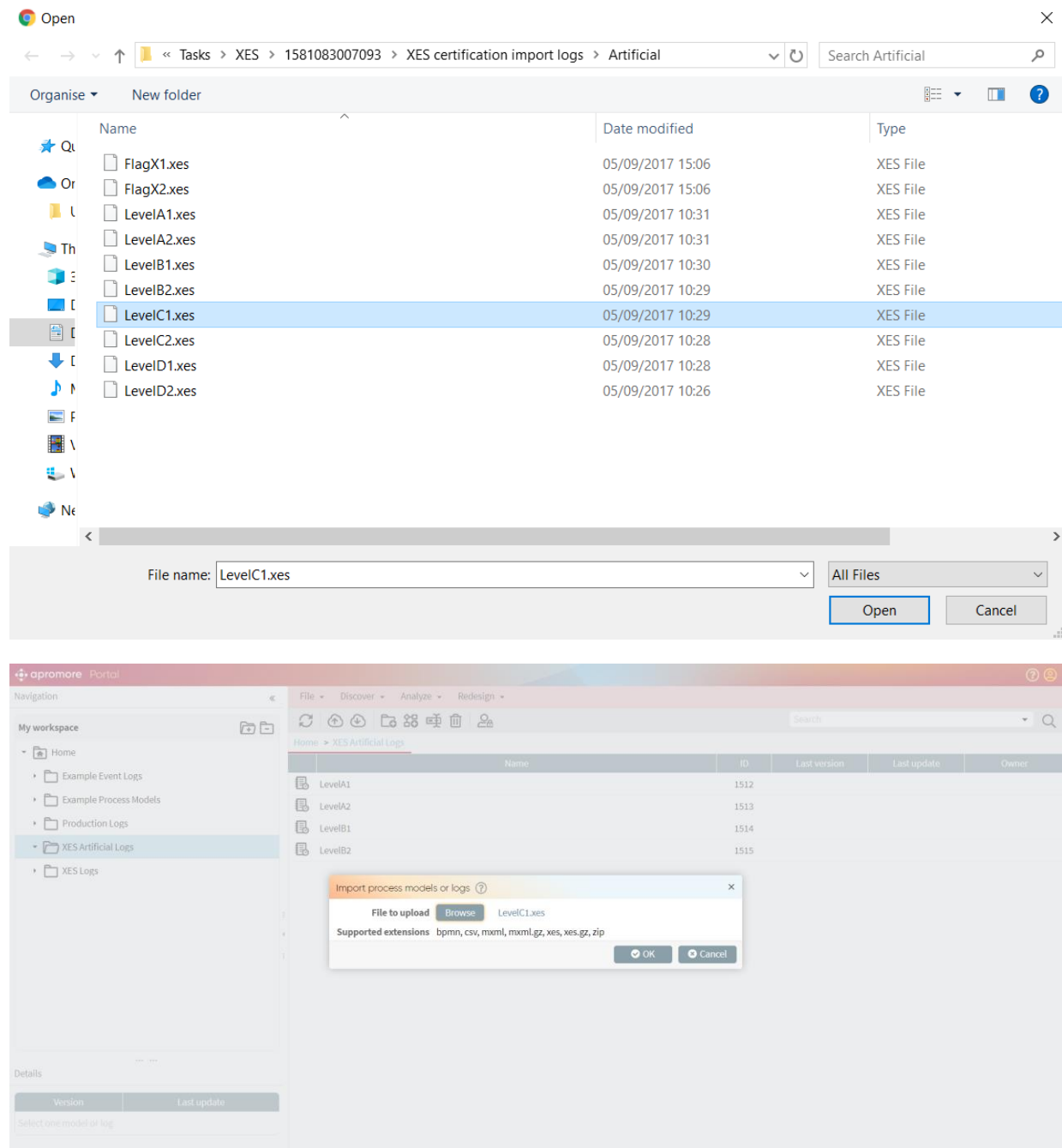
The screenshot shows the 'apromore Process Discoverer > LevelB1' interface. It includes a 'Visualization settings' section with 'Process map' and 'BPMN model' tabs. The 'Log statistics' section shows four charts: 'Cases' (100%, 1.1K / 1.1K), 'Case variants' (100%, 60 / 60), 'Events' (34.8%, 4.1K / 11.9K), and 'Activities' (50%, 4 / 8). The 'Events' chart is highlighted with a red box. The 'Temporal statistics' section shows 'Case duration' (Min 16.37 mins, Median 1.08 hrs, Average 1.22 hrs, Max 3.51 hrs) and 'Log timeframe' (01 Jan 70, 10:45 to 20 Feb 70, 14:29).



## IMPORT

## Level C1

The log is imported successfully.



## IMPORT

The screenshot displays the Apromore Portal interface. On the left, the "My workspace" sidebar lists several folders: Home, Example Event Logs, Example Process Models, Production Logs, XES Artificial Logs (selected), and XES Logs. The main area shows a breadcrumb trail "Home > XES Artificial Logs" above a table of logs.

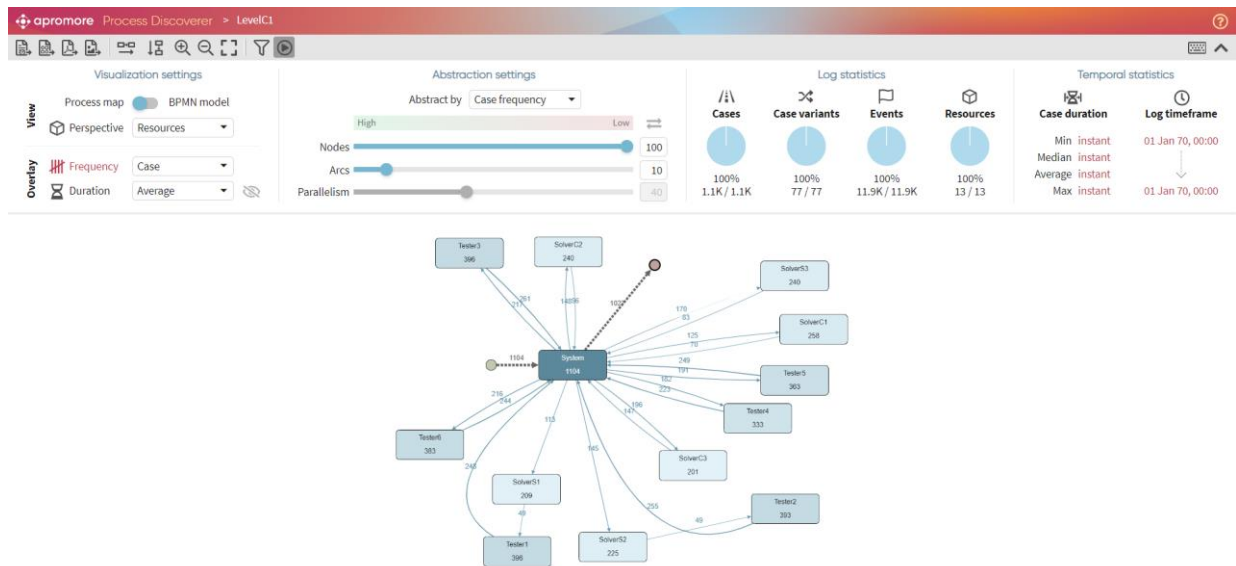
	Name	ID	Last version	Last update	Owner
	LevelA1	1512			
	LevelA2	1513			
	LevelB1	1514			
	LevelB2	1515			
	LevelC1	1516			

Below the table, there are two tabs: "Version" and "Last update". A message below the tabs reads: "Select one model or log".

The concept:name and org:resource attributes contained in the log were used.

[illegible]

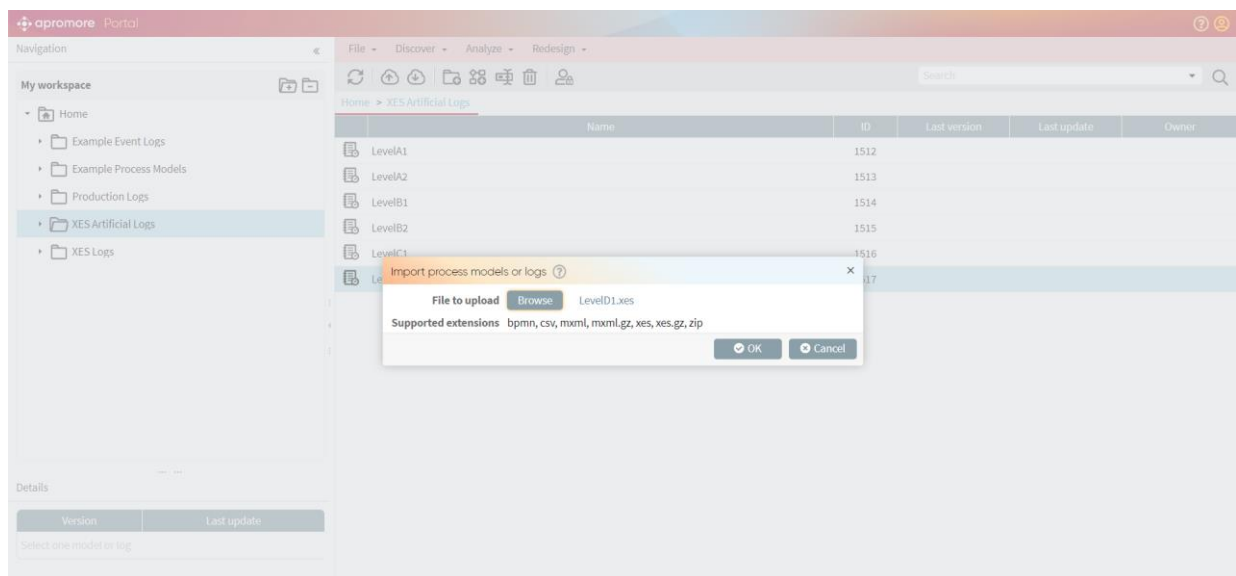
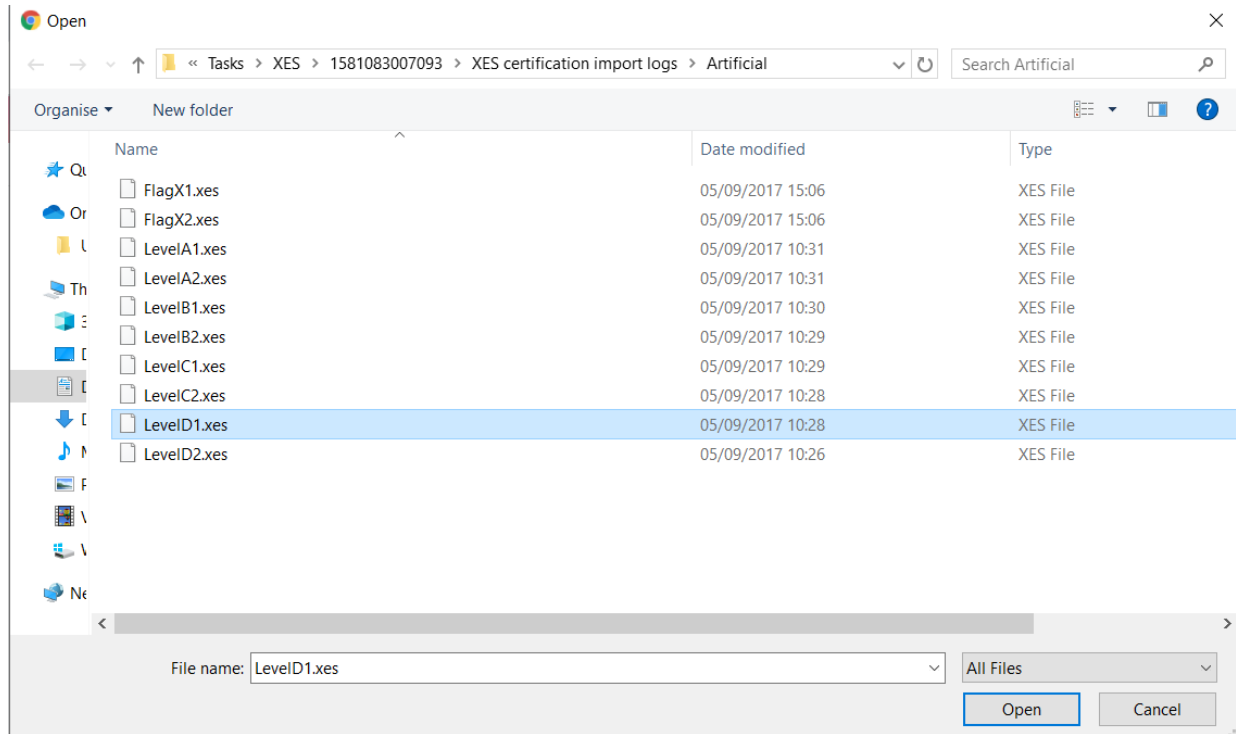
# IMPORT



# IMPORT

## Level D1

The log is imported successfully.



# IMPORT

apromore Portal

Navigation

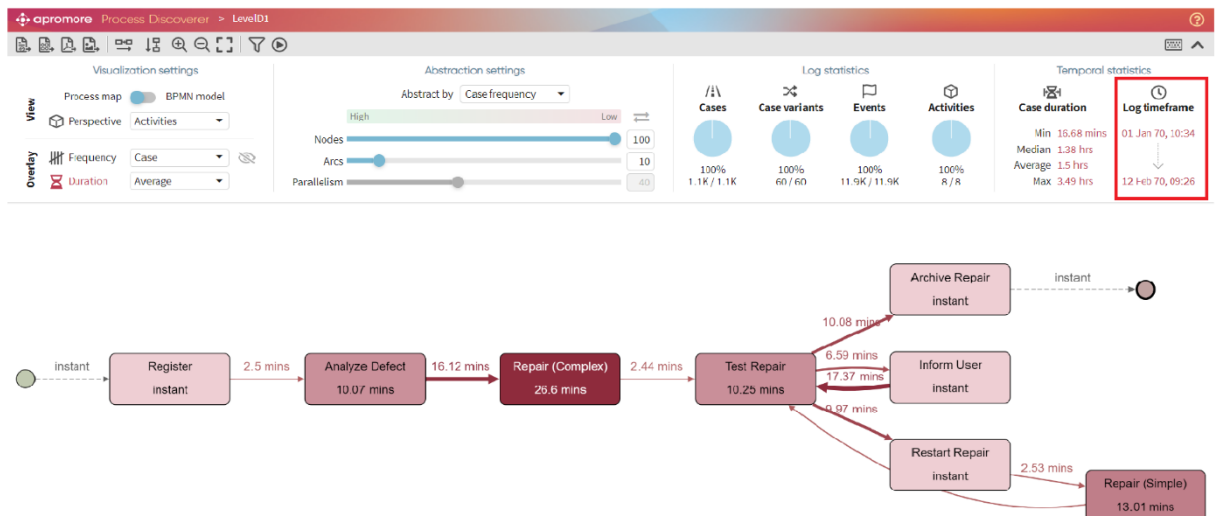
My workspace

- Home
- Example Event Logs
- Example Process Models
- Production Logs
- XES Artificial Logs**
- XES Logs

Details

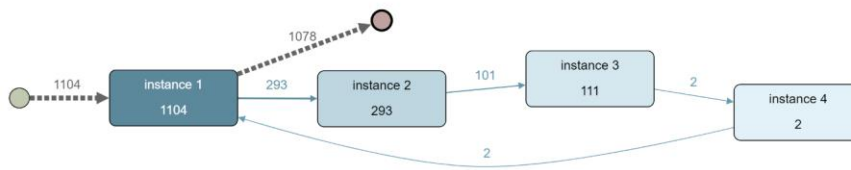
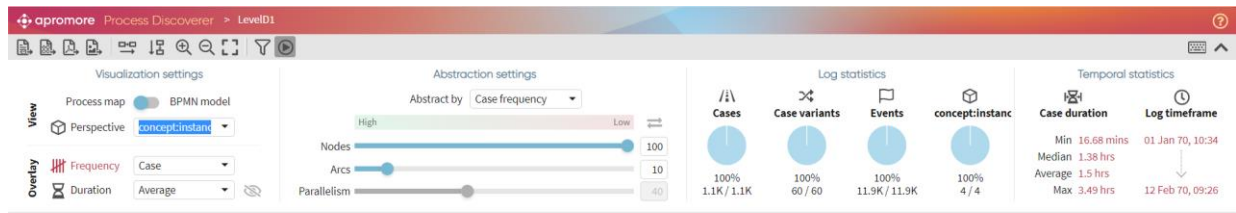
Name	ID	Last version	Last update	Owner
LevelA1	1512			
LevelA2	1513			
LevelB1	1514			
LevelB2	1515			
LevelC1	1516			
LevelC2	1517			
<b>LevelD1</b>	<b>1518</b>			

All (standard) attributes contained in the log were used.

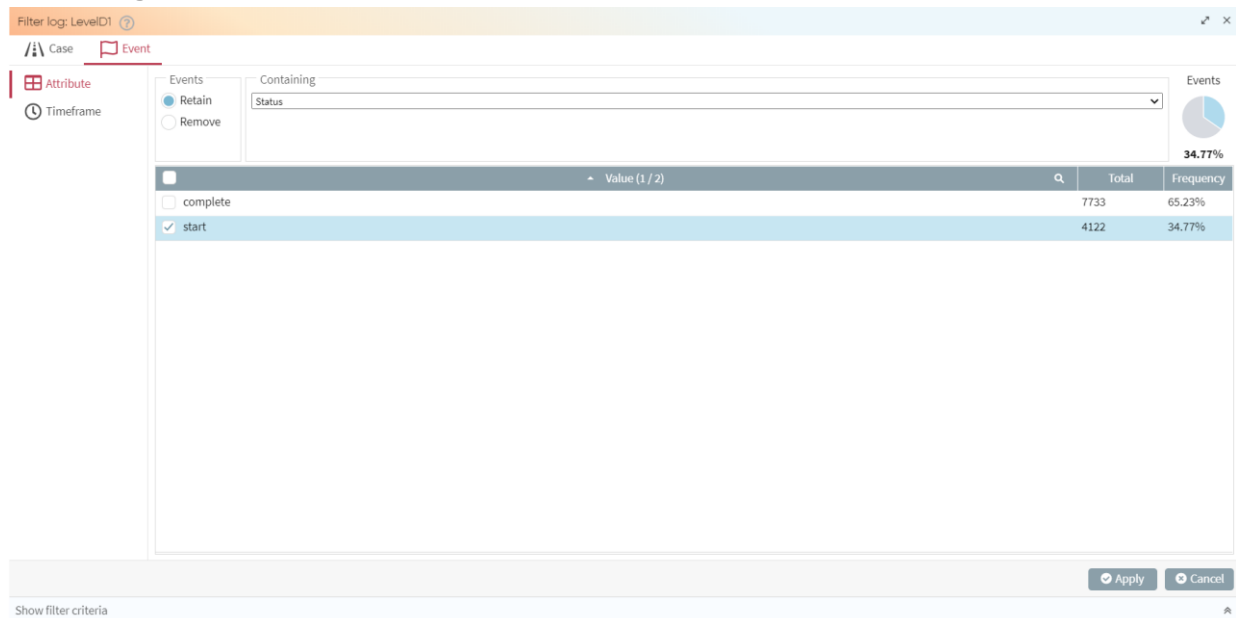




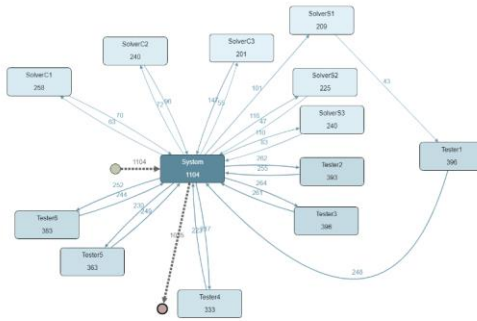
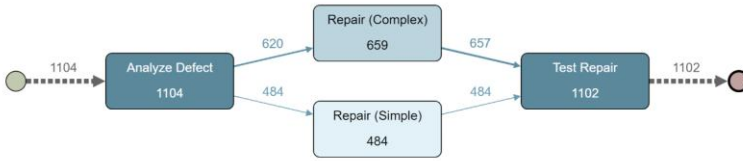
# IMPORT



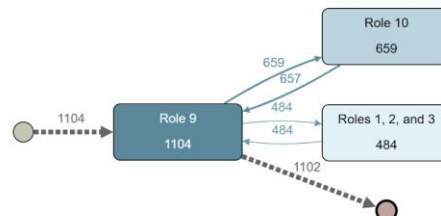
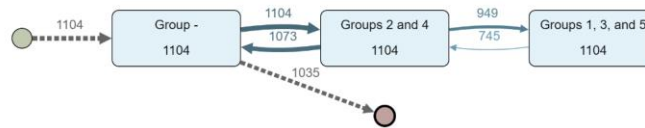
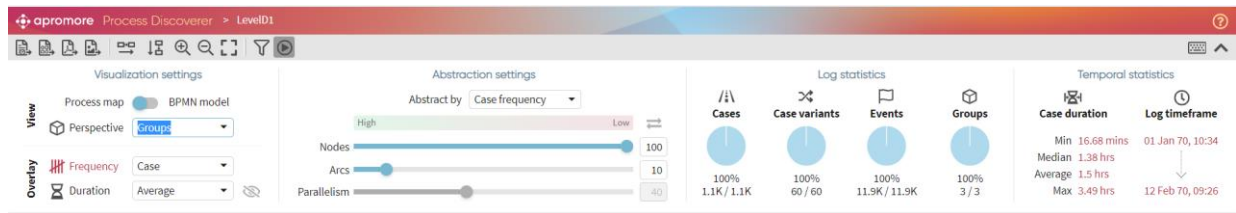
The following screenshot shows that lifecycle:transition can be used for the purpose of filtering. Eg: We can filter the log and retain events with “Start” status.



## IMPORT



# IMPORT



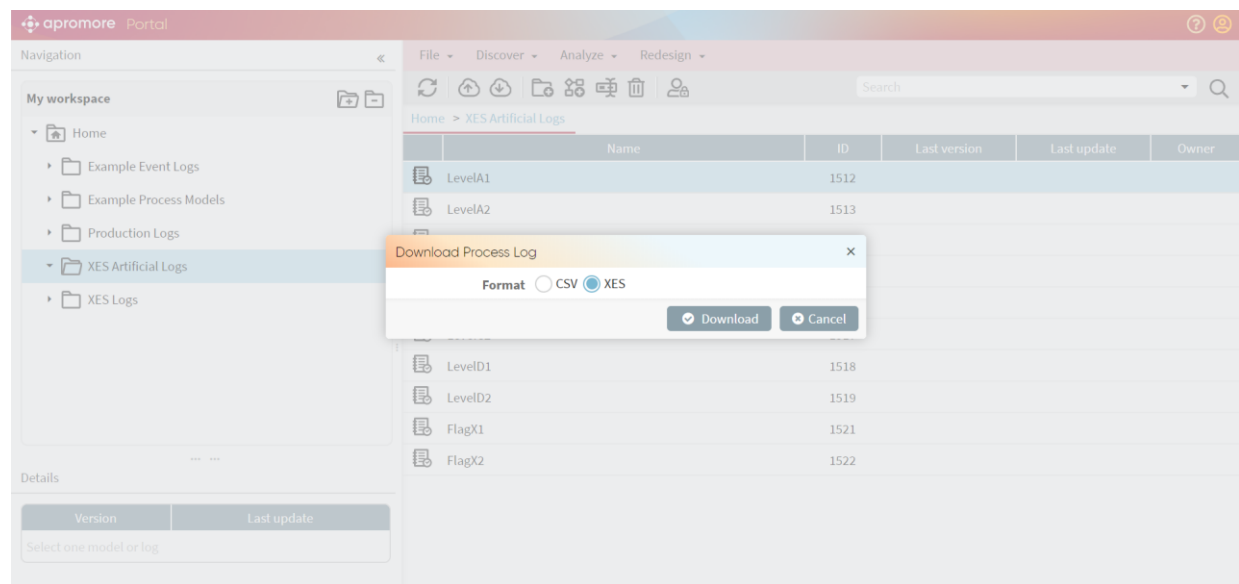
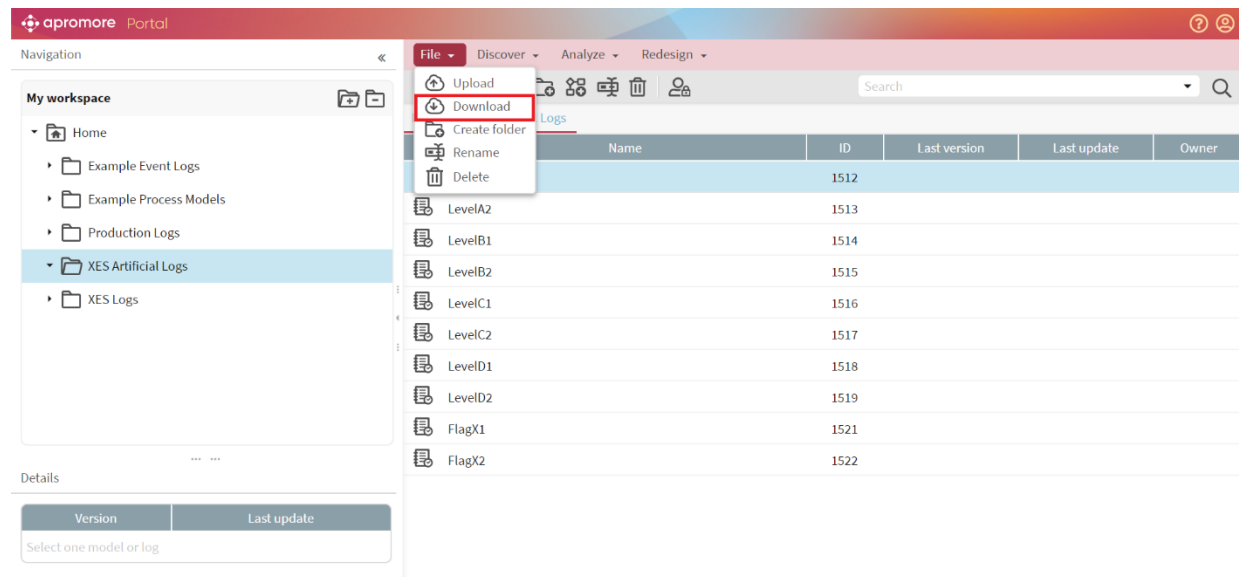
# EXPORT

## Export

To achieve this task, we export the imported logs in the previous section to a XES file, import the exported log and show that the results are the same as with the import shown in the previous section.

### Level A1

The current data as stored by the tool is exported successfully to a log



# EXPORT

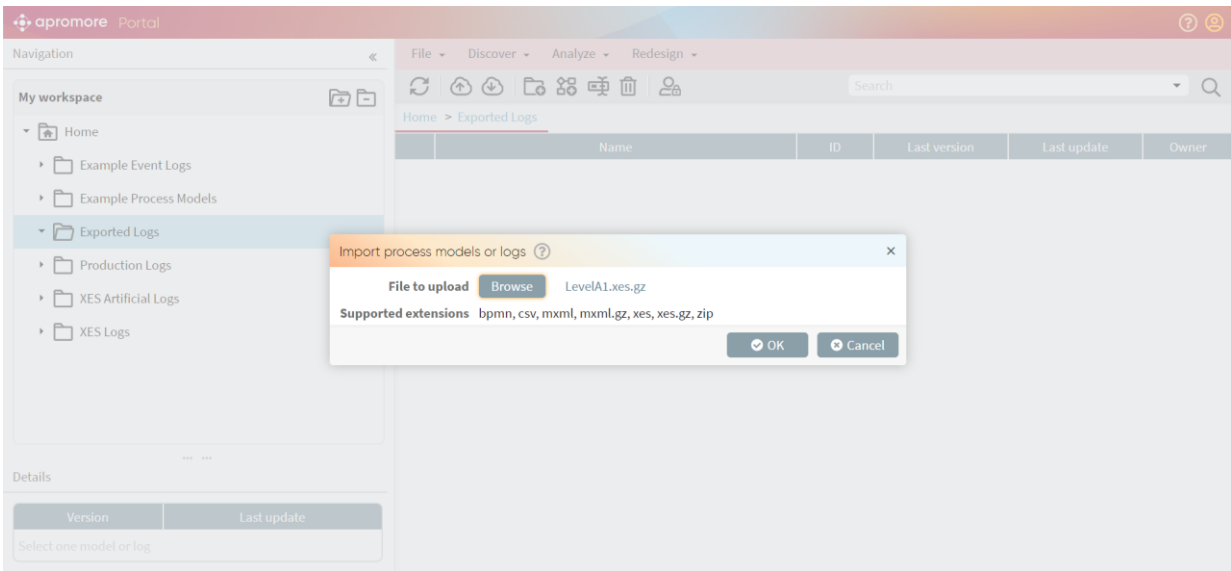
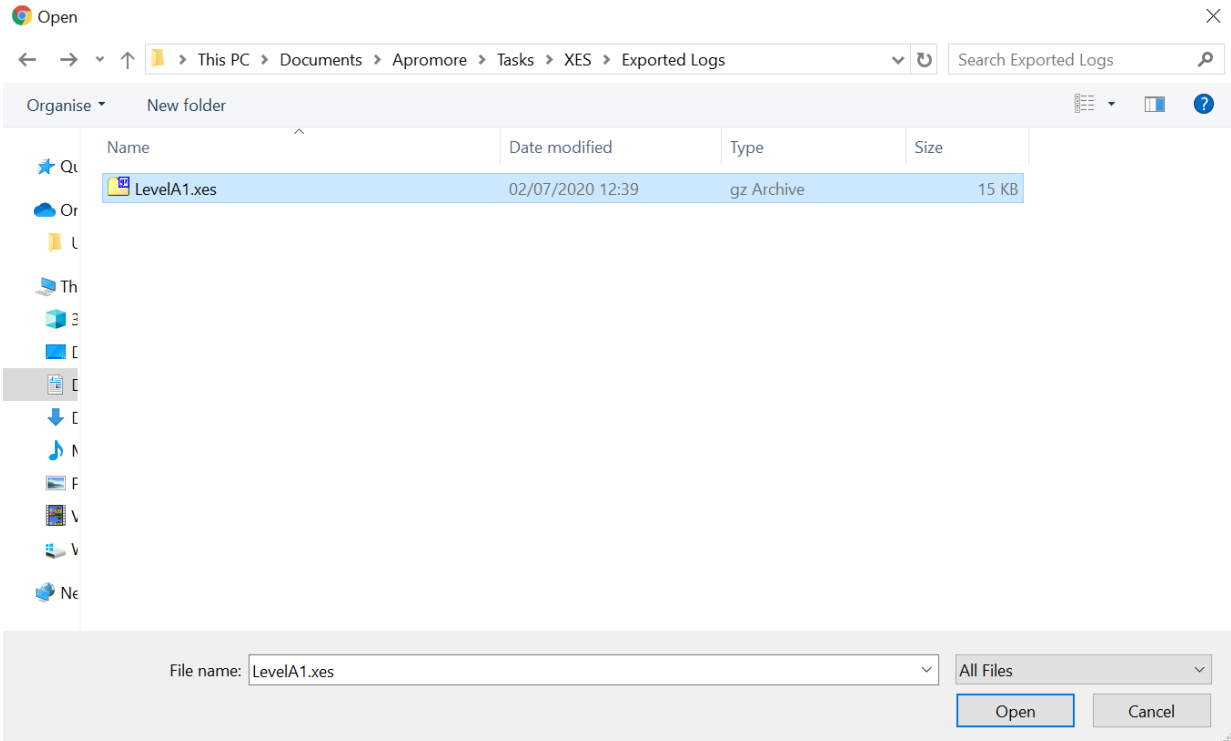
The screenshot shows the 'apromore Portal' interface. On the left, the 'My workspace' sidebar has 'XES Artificial Logs' selected. The main area displays a table of logs under the breadcrumb 'Home > XES Artificial Logs'.

	Name	ID	Last version	Last update	Owner
LevelA1		1512			
LevelA2		1513			
LevelB1		1514			
LevelB2		1515			
LevelC1		1516			
LevelC2		1517			
LevelD1		1518			
LevelD2		1519			
FlagX1		1521			
FlagX2		1522			

The concept:name attributes as contained in the log match the current data as stored by the tool

The screenshot shows the 'apromore Portal' interface with the 'File' menu open. The 'Upload' option is highlighted with a red box. In the 'My workspace' sidebar, 'Exported Logs' is selected.

## EXPORT



# EXPORT

apromore Portal

Navigation

My workspace

- Home
  - Example Event Logs
  - Example Process Models
  - Exported Logs
  - Production Logs
  - XES Artificial Logs
  - XES Logs

Details

Version	Last update
Select one model or log	

File Discover Analyze Redesign

Home > Exported Logs

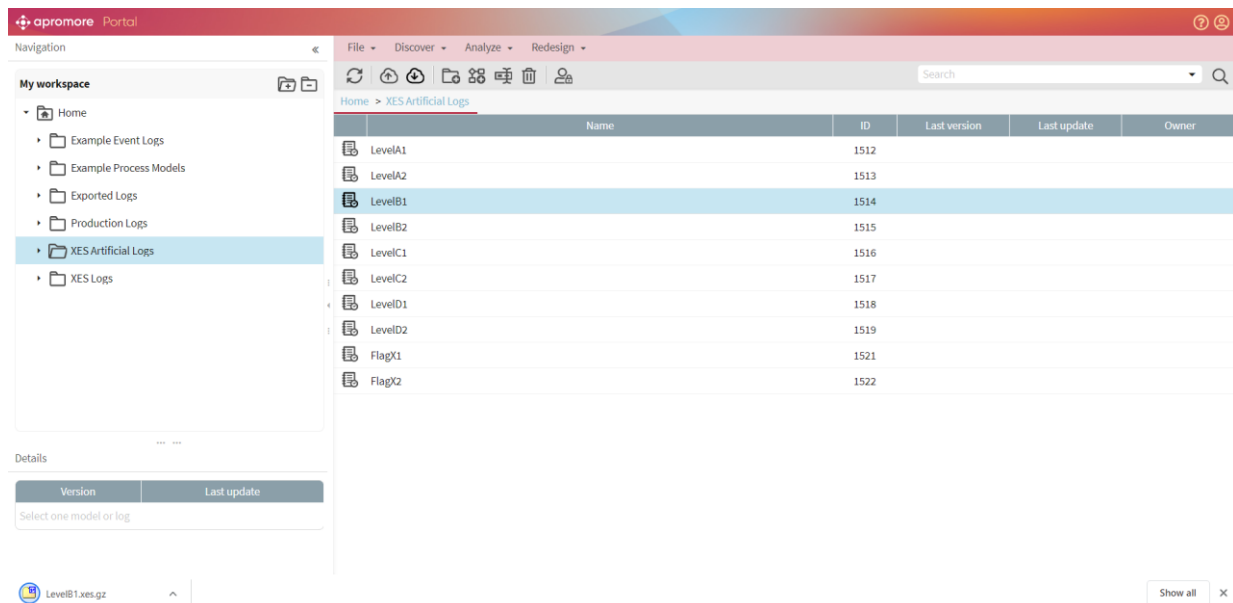
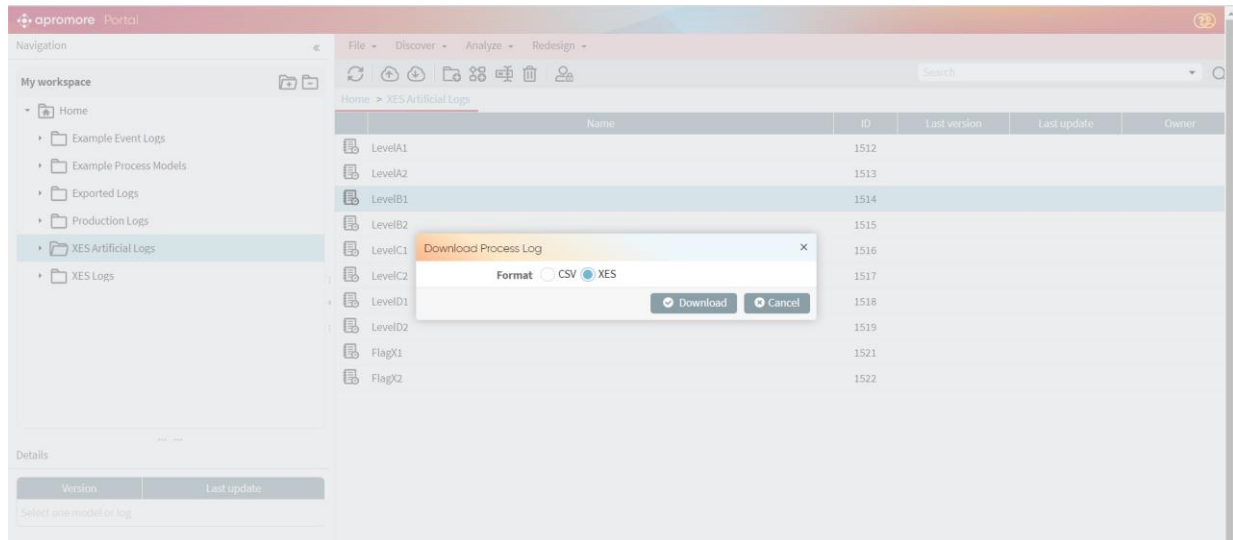
Name	ID	Last version	Last update	Owner
LevelA1	1523			



# EXPORT

## Level B1

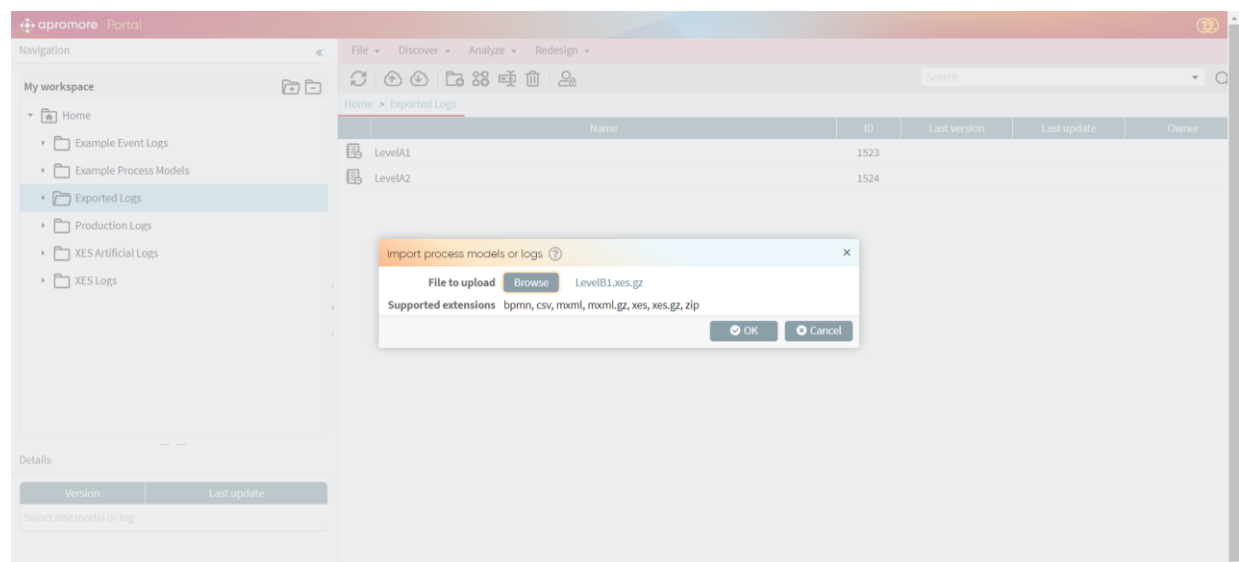
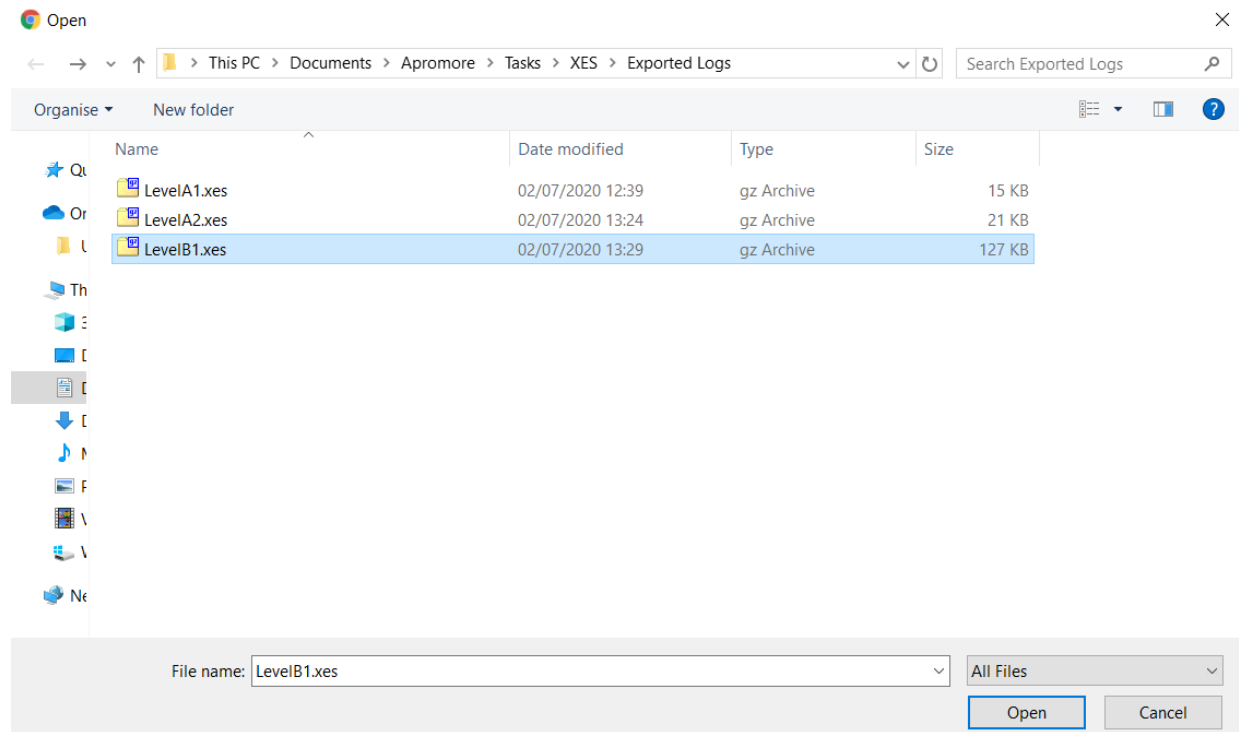
The current data as stored by the tool is exported successfully to a log





## EXPORT

The concept:name, lifecycle:transition, and time:timestamp attributes as contained in the log match the current data as stored by the tool



# EXPORT

apromore Portal

Navigation

My workspace

- Home
- Example Event Logs
- Example Process Models
- Exported Logs
- Production Logs
- XES Artificial Logs
- XES Logs

Details

Version	Last update
Select one model or log	

File Discover Analyze Redesign

Home > Exported Logs

Name	ID	Last version	Last update	Owner
LevelA1	1523			
LevelA2	1524			
LevelB1	1525			

apromore Process Discoverer > LevelB1

Visualization settings

View

Process map BPM model

Perspective Activities

Overlay

Frequency Case

Duration Average

Abstraction settings

Abstract by Case frequency

Nodes 100

Arcs 10

Parallelism 40

Log statistics

Cases 100% 1.1K / 1.1K

Case variants 100% 60 / 60

Events 100% 11.9K / 11.9K

Activities 100% 8 / 8

Temporal statistics

Case duration

Min 20.49 mins

Median 1.52 hrs

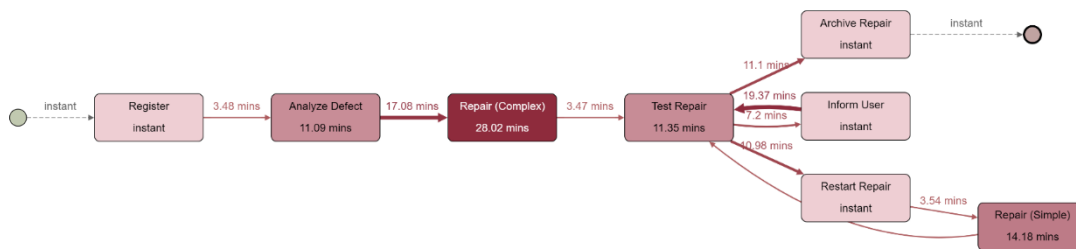
Average 1.67 hrs

Max 3.88 hrs

Log timeframe

01 Jan 70, 10:41

20 Feb 70, 14:52



# EXPORT

The following screenshot shows that lifecycle:transition can be used for the purpose of filtering. Eg: We can filter the log and retain events with “Start” status.

Filter log: LevelB1

Case Event

Attribute Timeframe

Events

Retain Remove

Containing Status

Value (1 / 2)

	Total	Frequency
complete	7733	65.23%
start	4122	34.77%

Apply Cancel

apromore Process Discoverer > LevelB1

Visualization settings

Process map BPMN model

Perspective Activities

Overlay Frequency Case

Duration Average

Abstraction settings

Abstract by Case frequency

Nodes 100

Arcs 10

Parallelism 40

Log statistics

Cases 100% 1.1K / 1.1K

Case variants 100% 60 / 60

Events 34.8% 4.1K / 11.9K

Activities 50% 4 / 8

Temporal statistics

Case duration

Min 16.37 mins

Median 1.08 hrs

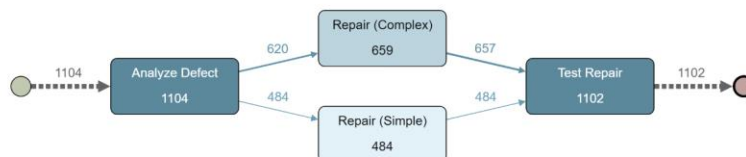
Average 1.22 hrs

Max 3.51 hrs

Log timeframe

01 Jan 70, 10:45

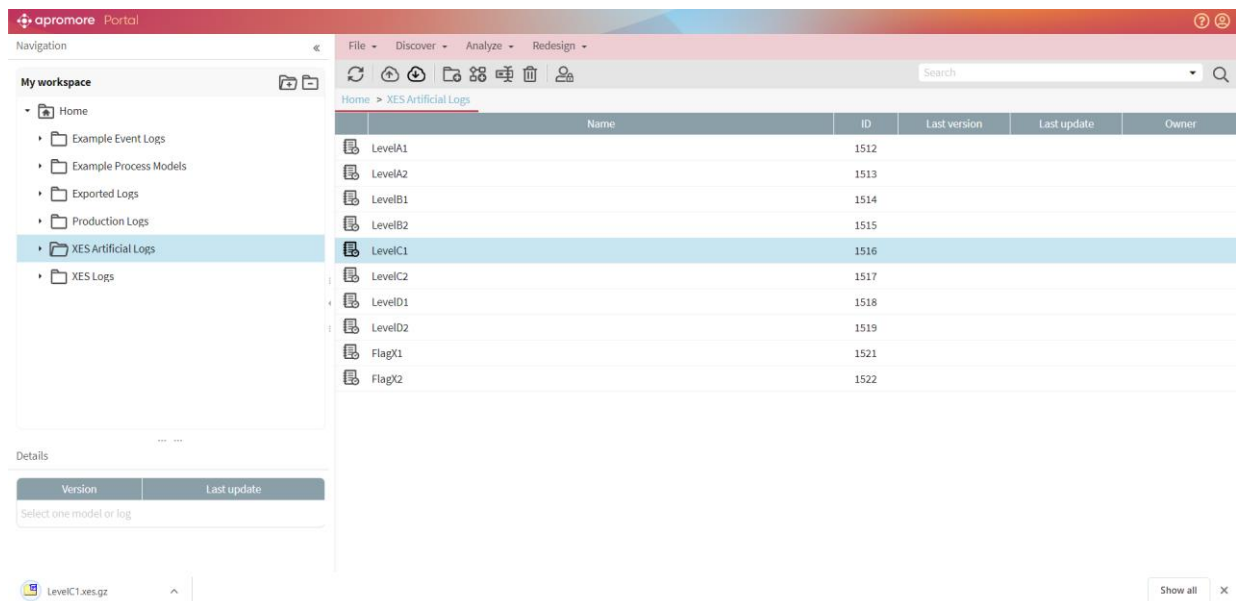
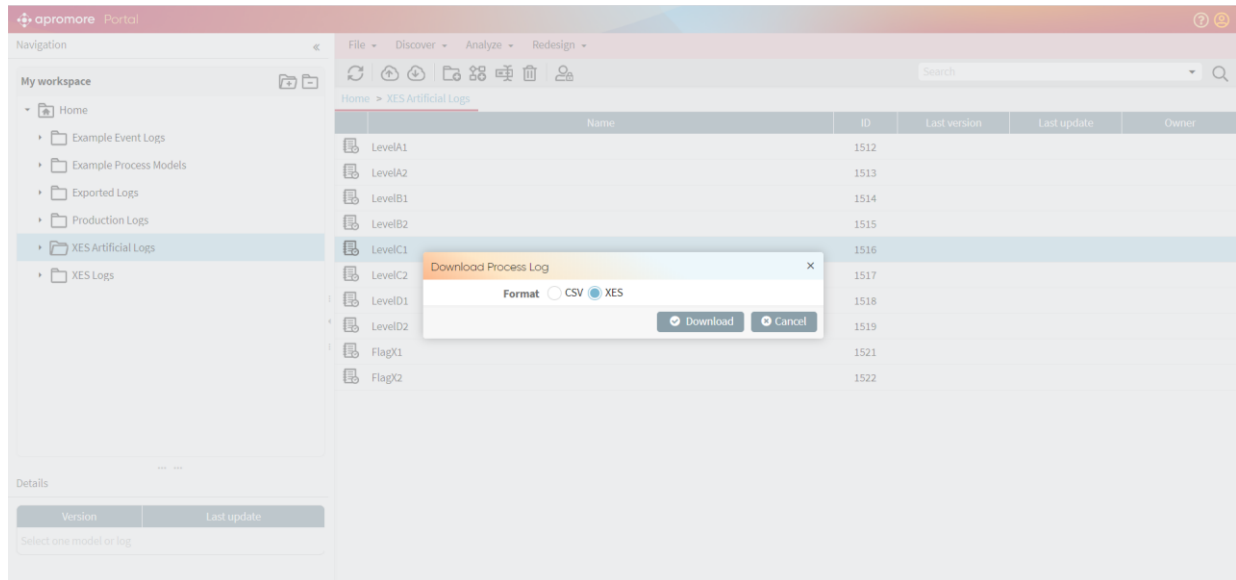
20 Feb 70, 14:29



# EXPORT

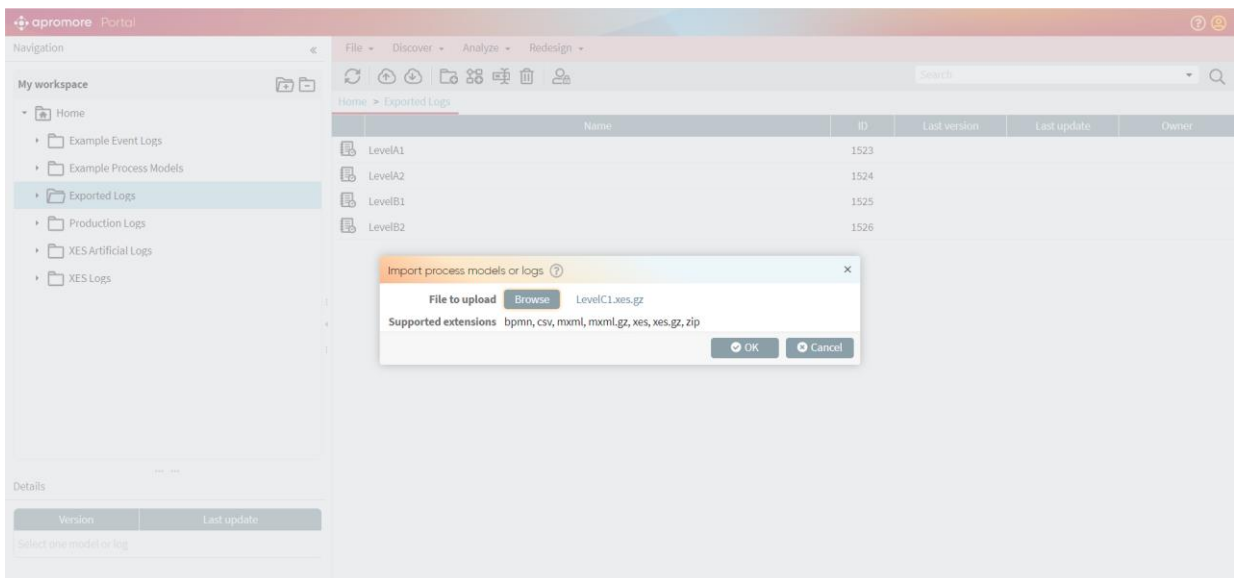
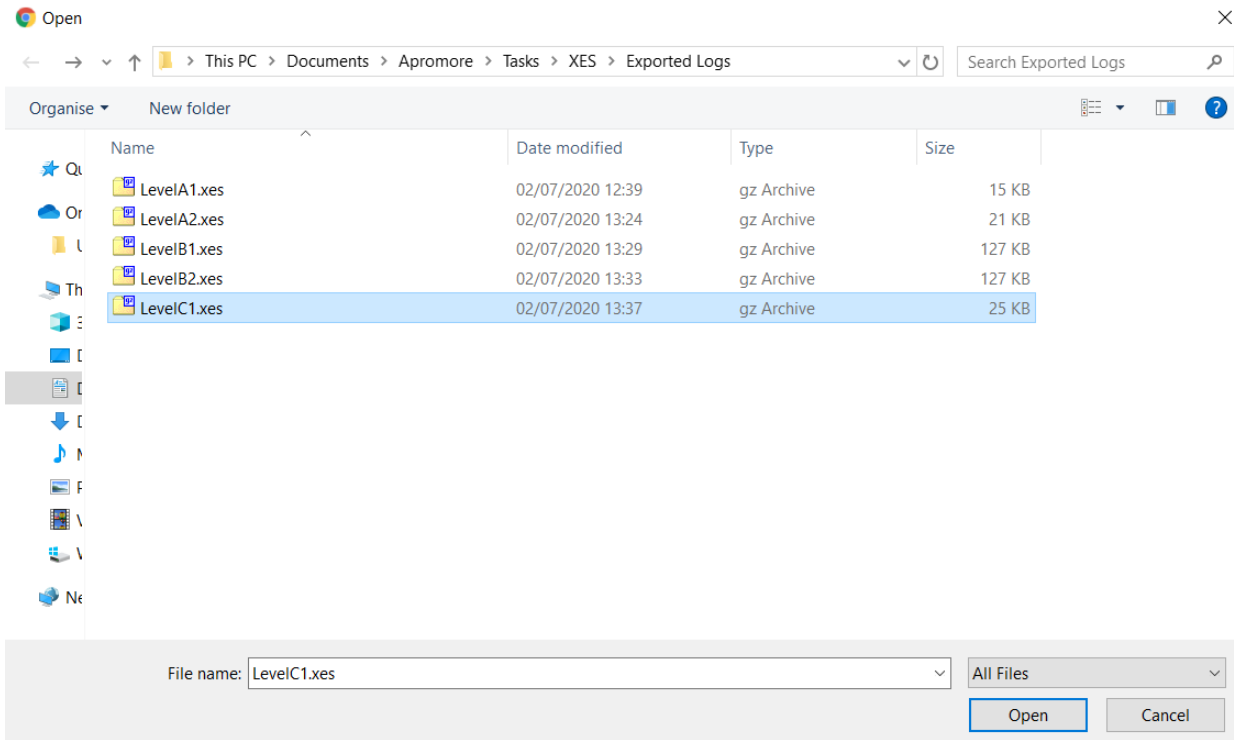
## Level C1

The current data as stored by the tool is exported successfully to a log



EXPORT

The concept:name and org:resource attributes as contained in the log match the current data as stored by the tool



# EXPORT

The screenshot shows the APMORE Portal interface. On the left, the 'My workspace' sidebar lists folders: Home, Example Event Logs, Example Process Models, Exported Logs (selected), Production Logs, XES Artificial Logs, and XES Logs. The main area displays a table of exported logs under the 'Home > Exported Logs' breadcrumb.

Name	ID	Last version	Last update	Owner
LevelA1	1523			
LevelA2	1524			
LevelB1	1525			
LevelB2	1526			
LevelC1	1527			

Below the table, there is a 'Details' section with a 'Version' and 'Last update' header, and a prompt to 'Select one model or log'.

The screenshot shows the APMORE Process Discoverer interface for 'LevelC1'. It features several configuration panels and a process flow diagram.

**Visualization settings:** Process map (selected), BPMN model, Perspective, Activities.

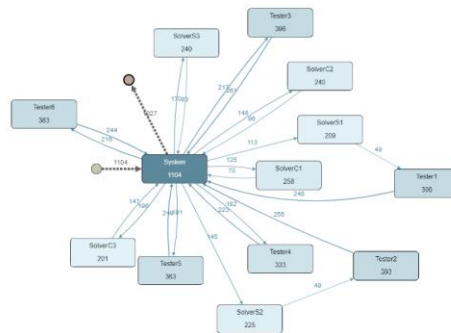
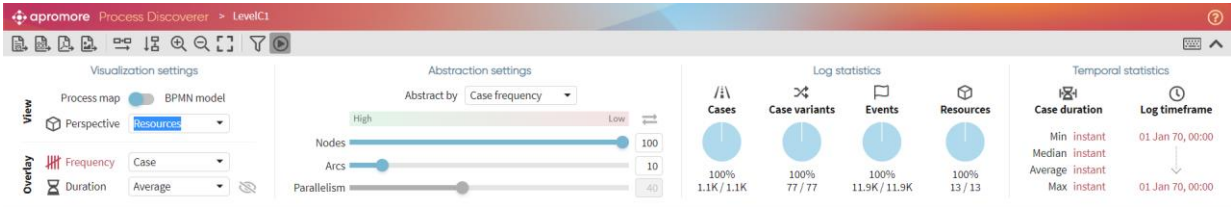
**Abstraction settings:** Abstract by Case frequency (High to Low slider). Nodes: 100, Arcs: 10, Parallelism: 40.

**Log statistics:** Cases (100%, 1.1K / 1.1K), Case variants (100%, 77 / 77), Events (100%, 11.9K / 11.9K), Activities (100%, 12 / 12).

**Temporal statistics:** Case duration (Min: instant, Median: instant, Average: instant, Max: instant), Log timeframe (01 Jan 70, 00:00).

The process flow diagram shows a sequence of activities: Register-complete (1104), Analyse Defect-start (1104), Analyse Defect-complete (1104), Repair (Complete)-start (659), Repair (Complete)-complete (1182), Repair (Complete)-start (654), Repair (Complete)-complete (1182), Repair (Complete)-start (654), Repair (Complete)-complete (1182), Repair (Complete)-start (654), Repair (Complete)-complete (1182), Repair (Complete)-start (654), Repair (Complete)-complete (1182), Repair (Complete)-start (654), Repair (Complete)-complete (1182), Repair (Complete)-start (654), Repair (Complete)-complete (1182).

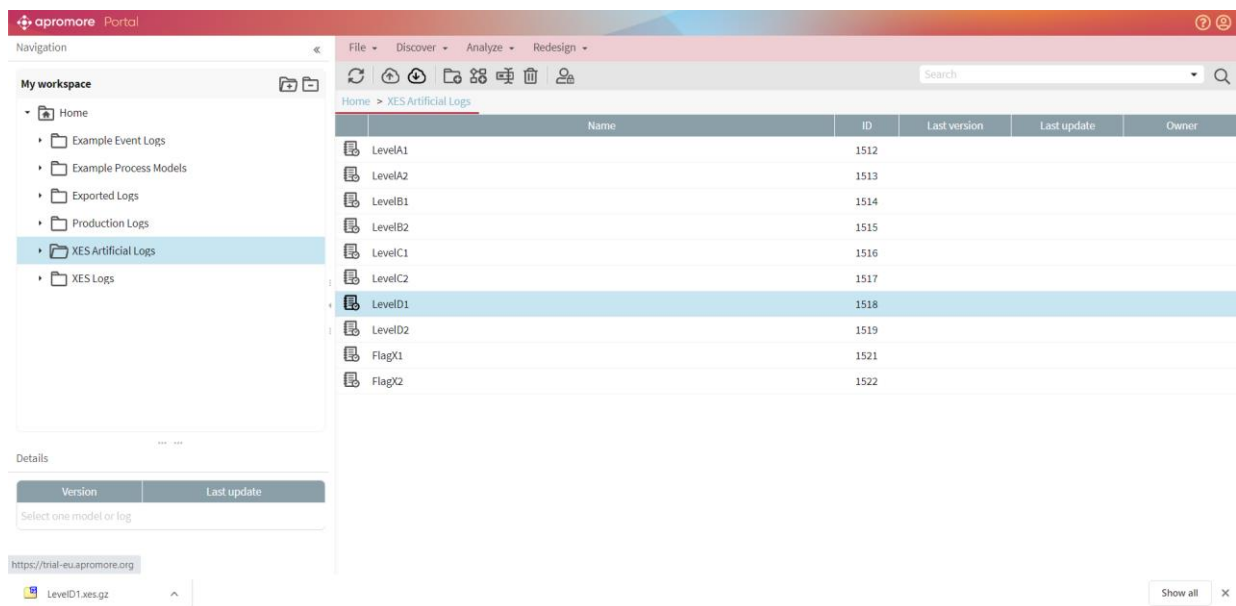
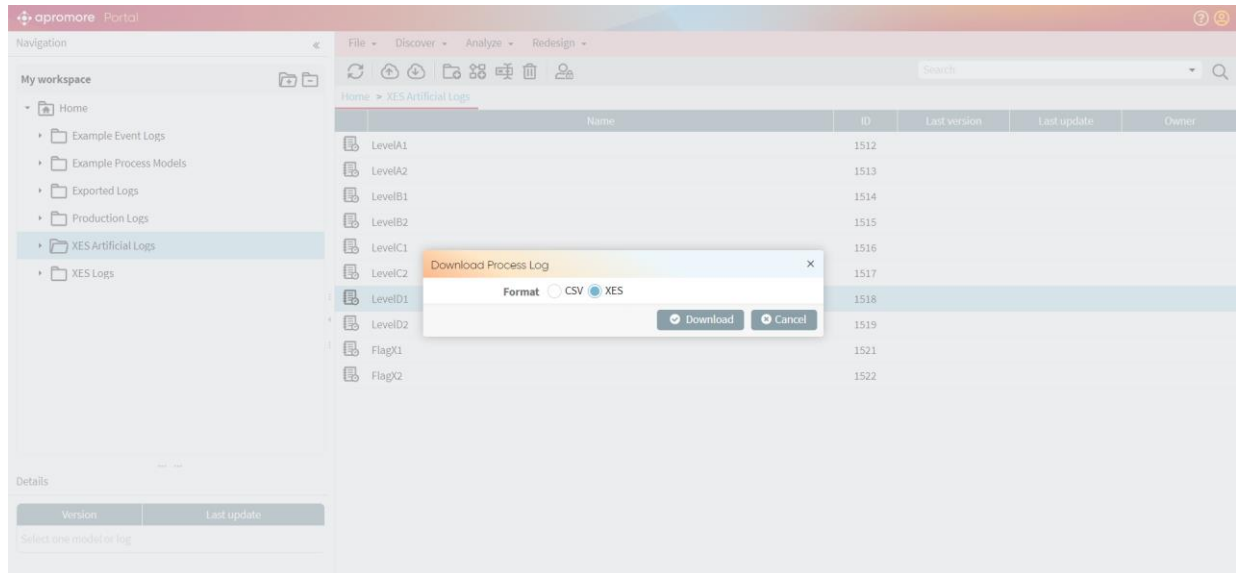
EXPORT



# EXPORT

## Level D1

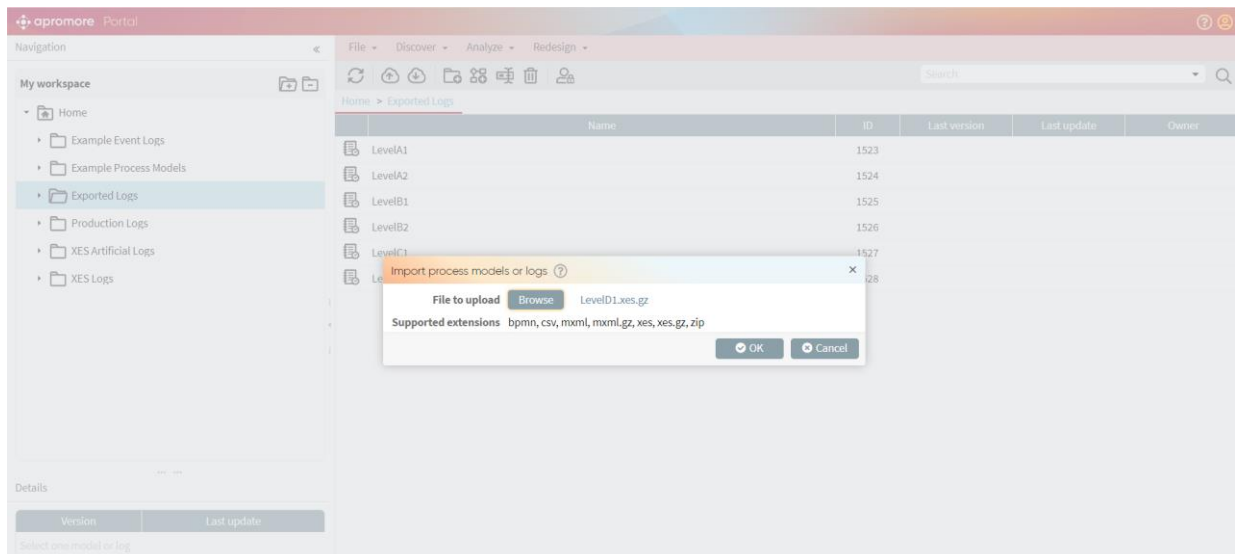
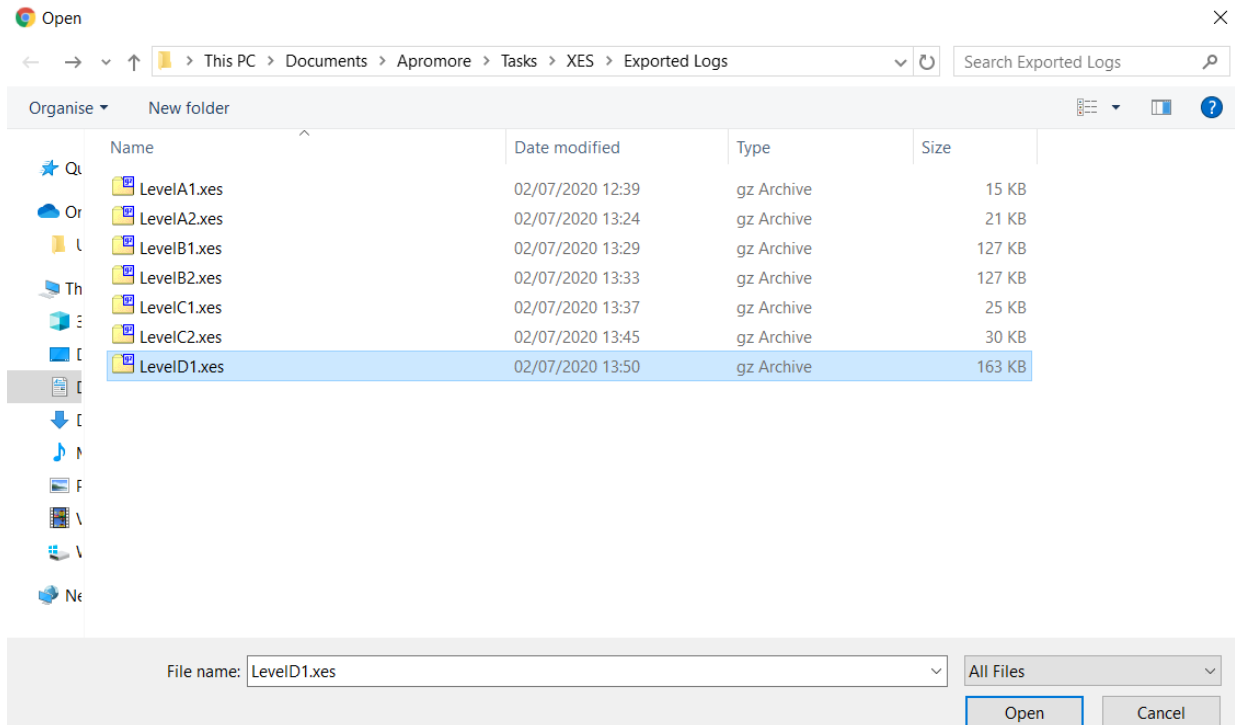
The current data as stored by the tool is exported successfully to a log





# EXPORT

All standard attributes as contained in the log match the current data as stored by the tool



# EXPORT

apromore Portal

Navigation

File Discover Analyze Redesign

My workspace

- Home
- Example Event Logs
- Example Process Models
- Exported Logs
- Production Logs
- XES Artificial Logs
- XES Logs

Details

Version Last update

Select one model or log

Home > Exported Logs

Name	ID	Last version	Last update	Owner
LevelA1	1523			
LevelA2	1524			
LevelB1	1525			
LevelB2	1526			
LevelC1	1527			
LevelC2	1528			
LevelD1	1529			

apromore Process Discoverer > LevelD1

Visualization settings

Process map BPMN model

Perspective Activities

Frequency Case

Duration Average

Abstraction settings

Abstract by Case frequency

Nodes 100

Arcs 10

Parallelism 40

Log statistics

Cases 100% 1.1K / 1.1K

Case variants 100% 60 / 60

Events 100% 11.9K / 11.9K

Activities 100% 8 / 8

Temporal statistics

Case duration

Min 16.68 mins

Median 1.38 hrs

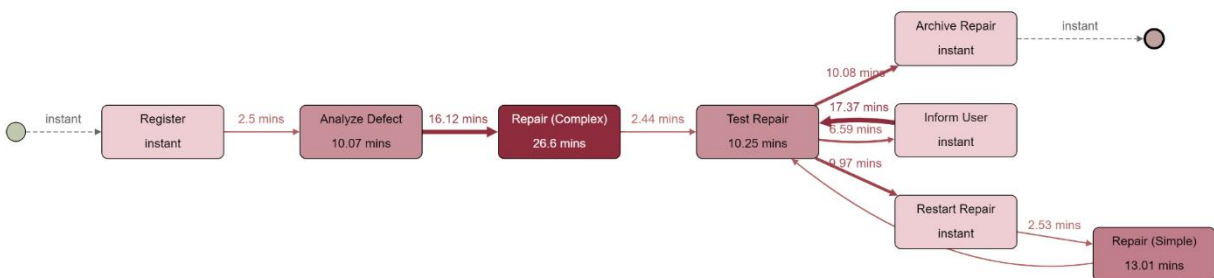
Average 1.5 hrs

Max 3.49 hrs

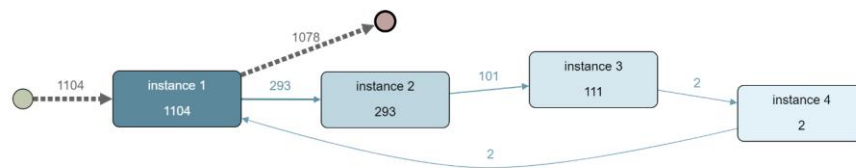
Log timeframe

01 Jan 70, 10:34

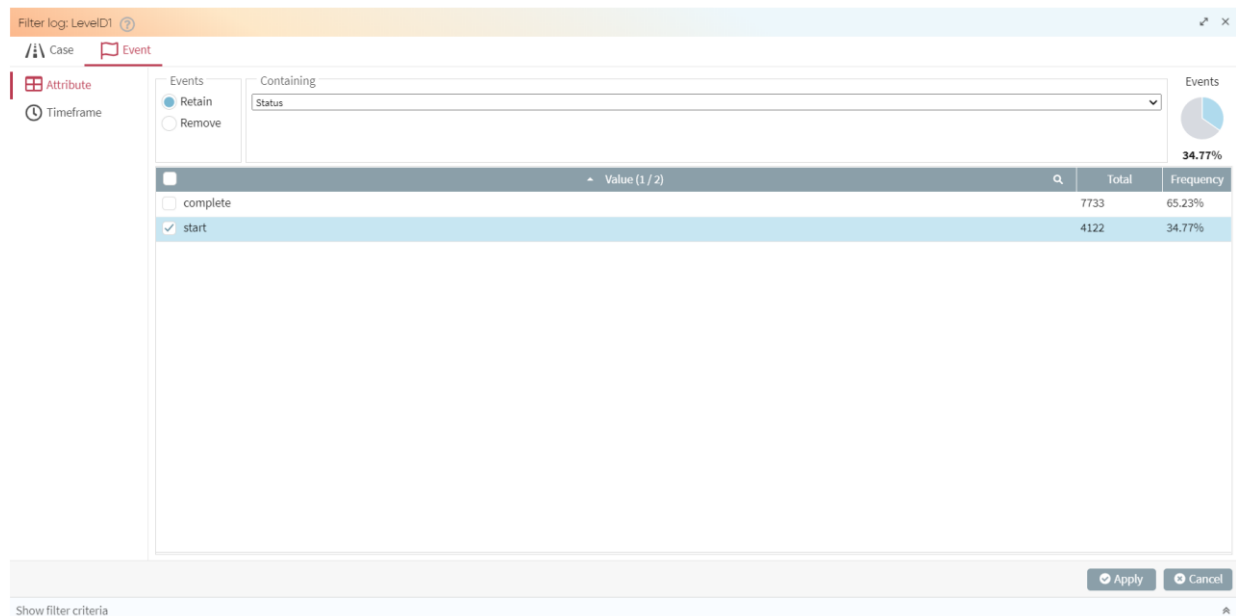
12 Feb 70, 09:26



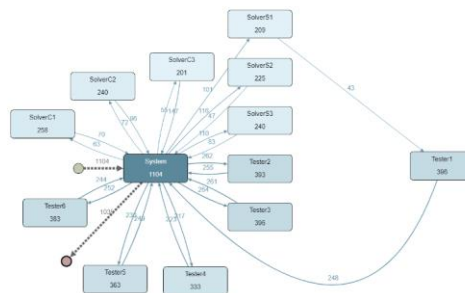
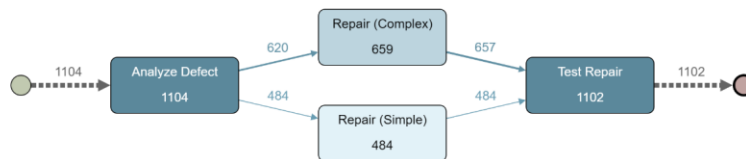
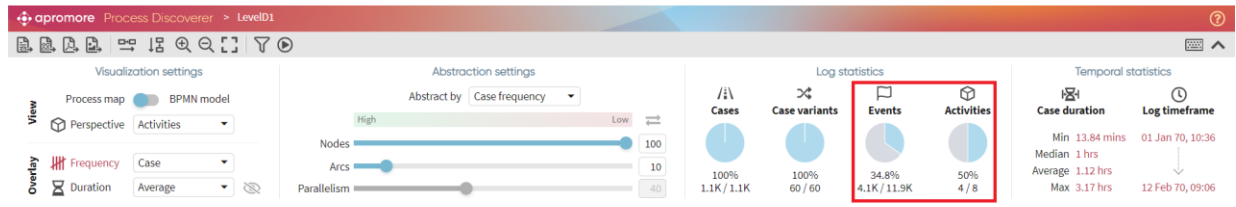
# EXPORT



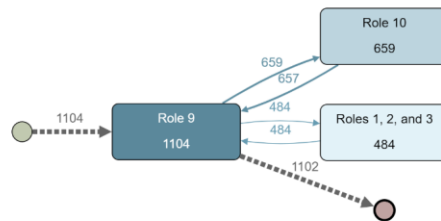
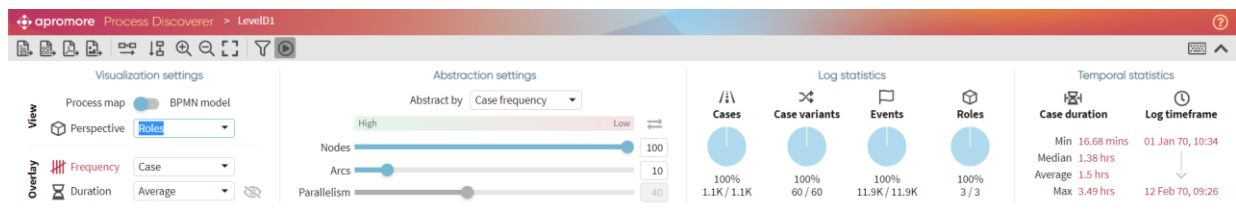
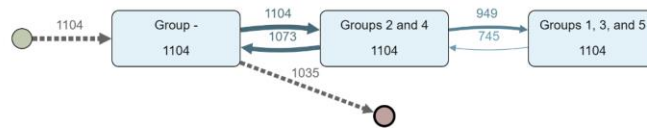
The following screenshot shows that lifecycle:transition can be used for the purpose of filtering. Eg: We can filter the log and retain events with “Start” status.



# EXPORT



# EXPORT



# CONTACT INFORMATION

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christian@fluxicon.com

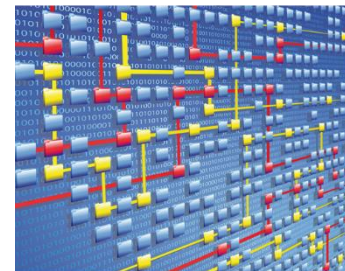
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