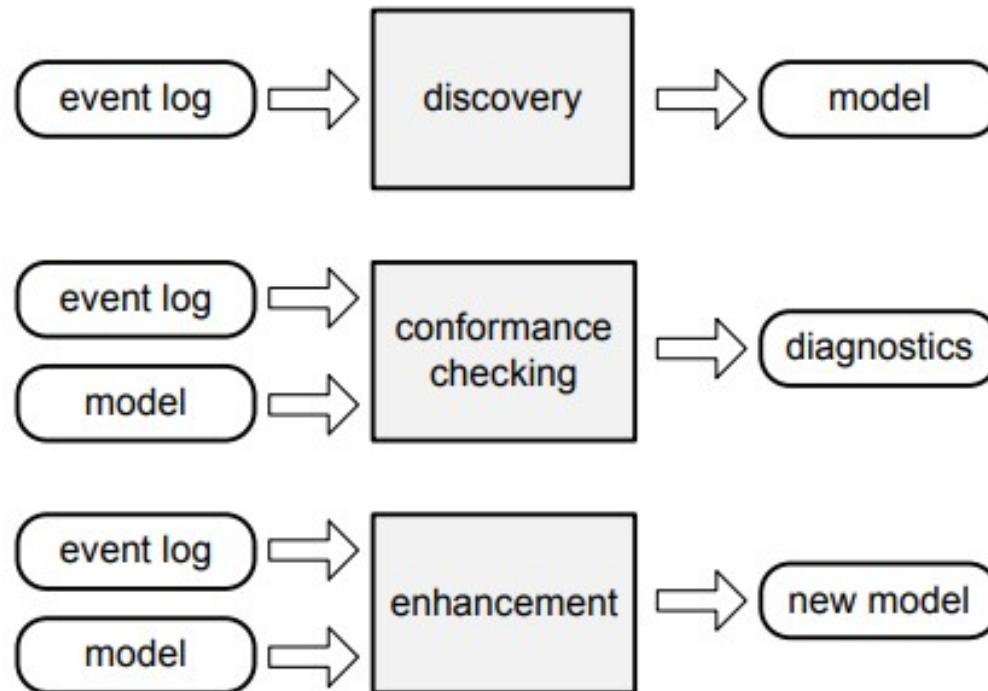


Process Mining via Webhooks & Action Rules



Lukas Sykora

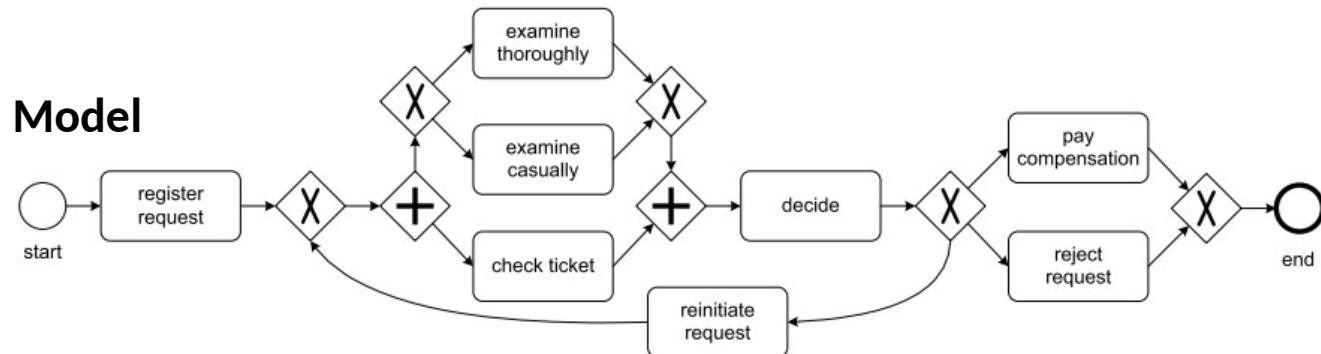
Process Mining



Log

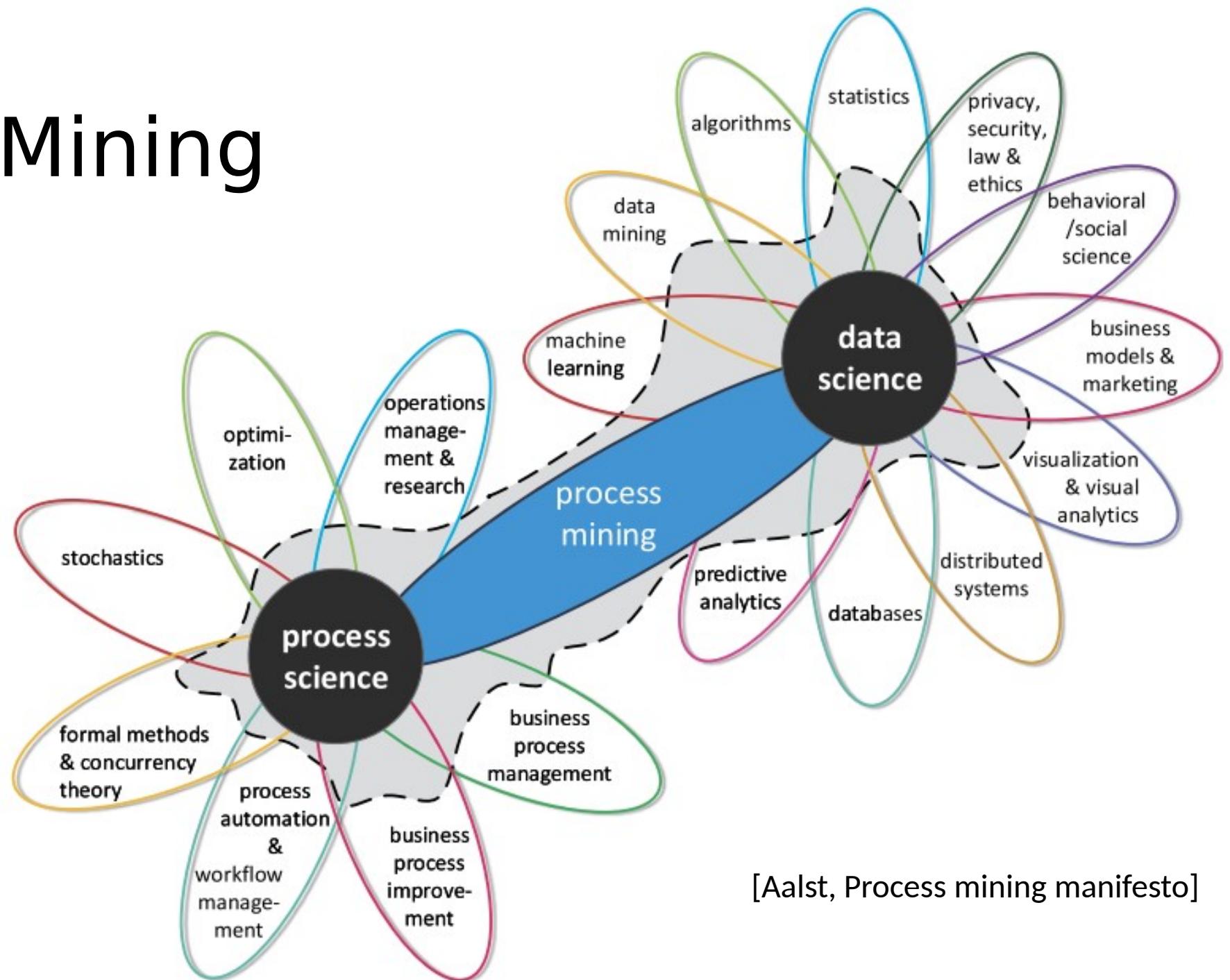
Case id	Event id	Properties				
		Timestamp	Activity	Resource	Cost	...
1	35654423	30-12-2010:11.02	register request	Pete	50	...
	35654424	31-12-2010:10.06	examine thoroughly	Sue	400	...
	35654425	05-01-2011:15.12	check ticket	Mike	100	...
	35654426	06-01-2011:11.18	decide	Sara	200	...
	35654427	07-01-2011:14.24	reject request	Pete	200	...
	35654483	30-12-2010:11.32	register request	Mike	50	...
	35654485	30-12-2010:12.12	check ticket	Mike	100	...

Model



[Aalst, Process Mining]

Process Mining



Robolytix

Dashboard Settings

Robolytix
The Robot Analytics

Account: Amber Plasma a.s.

Tag filter: +

Groups and processes: DEV-Connect your process

- All groups
- My processes: 9
- All processes
- Butovice (selected)
- Chomutov
- Děčín
- Jablonec
- Karlovy Vary
- Litoměřice
- Plzeň
- Příbram
- Teplice

Monitoring: 1

Go to process...

Data for process - Butovice

Default overview

Runs started in selected period: 04.03.2022 - 04.03.2022

Date to view runs status: 05.03.2022

Started runs Completed process runs

One vertical axis

Graph Table DEV-SonarHistory

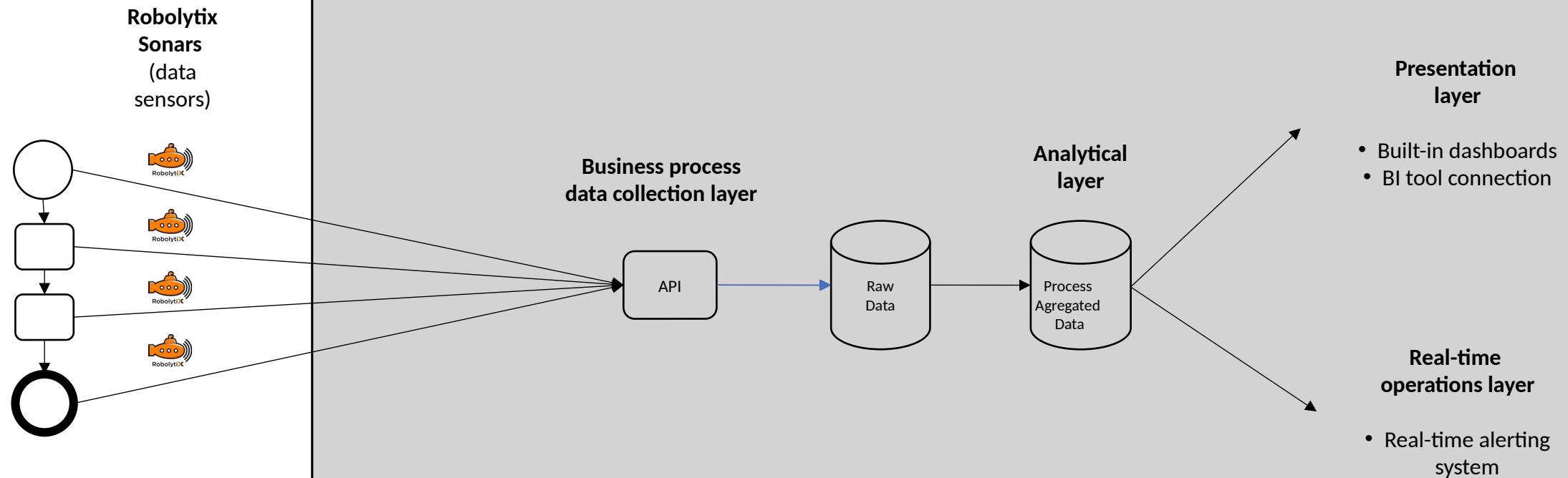
Total number of process runs: 43

Completed process runs	Still running runs	Lost process runs
42	1	0

Total number of Sonar operations: 224

Number of active Sonars	Extra Sonar operations	Error type Sonar operations
7	0	0

Chat



Webhooks - Power Automate

Power Automate Search for helpful resources Environments Innovative Business s.r.o. ? Tomáš Sýkora

+ New flow Import Search Install

Flows

Cloud flows Desktop flows Business process flows Shared with me

Name	Modified	Type
Zájemci do Robolytix - založení	2 mo ago	Automated
Příležitosti do Robolytix - změny	2 mo ago	Automated
Zájemci do Robolytix - odstranění	2 mo ago	Automated
Příležitosti do Robolytix - odstranění	2 mo ago	Automated
Příležitosti do Robolytix - založení	2 mo ago	Automated
Zájemci do Robolytix - změny	2 mo ago	Automated

Home Action items My flows Create Templates Connectors Data Monitor AI Builder Process advisor Solutions Learn Ask a chatbot

Webhooks - Power Automate

The screenshot shows the Microsoft Power Automate interface. The left sidebar has a navigation menu with options like Home, Action items, My flows (which is selected), Create, Templates, Connectors, Data, Monitor, AI Builder, Process advisor, Solutions, Learn, and Ask a chatbot. The main area shows a flow titled "Příležitosti do Robolytix - změny". The "Details" section shows the flow's status as "On", created on Apr 12, 10:41 AM, modified on Apr 16, 05:27 PM, and type as "Automated". It also indicates that the flow runs on the owner's plan. The "Connections" section lists a connection to "Microsoft Dataverse" with the email address "tomas.sykora@robolytix.com". The "Owners" section shows "Tomáš Sýkora". The "Process insights (preview)" section displays a chart showing the "Average duration of your flow" as "44 ms". Below the details, there is a "28-day run history" table with the following data:

Start	Duration	Status
Jun 28, 11:20 PM (11 h ago)	30 ms	Succeeded
Jun 28, 11:20 PM (11 h ago)	20 ms	Succeeded
Jun 28, 11:20 PM (11 h ago)	29 ms	Succeeded
Jun 28, 11:19 PM (11 h ago)	55 ms	Succeeded
Jun 28, 11:19 PM (11 h ago)	30 ms	Succeeded
Jun 28, 11:09 PM (12 h ago)	36 ms	Succeeded
Jun 28, 11:08 PM (12 h ago)	54 ms	Succeeded
Jun 28, 11:08 PM (12 h ago)	12 ms	Succeeded
Jun 28, 11:08 PM (12 h ago)	37 ms	Succeeded
Jun 28, 11:08 PM (12 h ago)	19 ms	Succeeded

Webhooks - Integromat

The screenshot shows the Robolytix integration setup within the Integromat platform. On the left, a vertical sidebar contains icons for Home, Integrations, Scripts, Webhooks, API, Data, and more. The main area displays a process flow titled "Robotic businessman - retail (EN)". This flow consists of several steps: "Robot Initialization" (purple), "Excel - Load customers" (green), "Customer ID" (purple), "Robolytix" (orange), another "Customer ID" step, and "Excel - Save email" (green). A "Jednorázové spuštění" (One-time execution) button is visible at the bottom. A modal window titled "Robolytix" is open, showing the "Connection" settings. It includes a dropdown for "Robolytix API (Innovative Business - C)" and a note about finding more information in the documentation. The "Name" field is set to "Customers loaded". In the "Process" section, "Business Robots junior sales" is selected, with a note about the list of processes in the account and a link to "Robolytix Settings". The "Type" section shows "Continuous - common sonar in the process" with a note about starting at "Start" and ending at "End" sonars. The background of the interface is light gray, and the overall design is clean and modern.

Webhooks - Requestor

bestonline.cz Podpora Portál Požadavky Úkoly Hovory 0 Znalosti Dokumenty Zákazníci Reporty Inventář Kalendář Výkazy Produkty Administrace Nový Hledat...
Administrace / Webhook
Fronta (0) Log
Webhooks je možné vytvářet v modulu Automatizace nebo Monitoring.

Zdroj	Automatizace	Monitoring	URL
Vše	Vše	Vše	
Automatizace	Novy tiket		https://api.robolytix.com/v1/w/8871a700-aa75-453e-9e69-2
Automatizace	Přířazení odmítnutou		https://api.robolytix.com/v1/w/3712575f-e920-4db4-8b81-bc
Automatizace	Přířazeno		https://api.robolytix.com/v1/w/b224c3d8-197b-4a7d-ae6c-0
Automatizace	Přijato		https://api.robolytix.com/v1/w/84386806-0f0a-40eb-999c-1c
Automatizace	V řešení		https://api.robolytix.com/v1/w/9f5e8bef-4642-4edb-b12f-46
Automatizace	Čeká na odpověď zadavatele		https://api.robolytix.com/v1/w/5ff3fd5e-a04d-4979-9884-e2
Automatizace	Zadavatel odpověděl		https://api.robolytix.com/v1/w/7fa5d818-62e0-4b63-88c4-98
Automatizace	Odroženo		https://api.robolytix.com/v1/w/472c3869-5417-4627-a2c5-a
Automatizace	Čeká na schválení		https://api.robolytix.com/v1/w/fe953691-4f59-4687-bf95-12
Automatizace	Rešení odmítnutou		https://api.robolytix.com/v1/w/16e6ea9-f430-4f6a-8251-22
Automatizace	Odsouhlaseno		https://api.robolytix.com/v1/w/2c53e869-ab3b-4b85-8112-3
Automatizace	Uzavřeno		https://api.robolytix.com/v1/w/d4426386-e61b-4f30-b92f-ab
Automatizace	Ve frontě		https://api.robolytix.com/v1/w/be55a4d9-8398-477e-8347-4

Strana 1 z 1 | 20 | Zobrazeno 1 - 13 z 13 záznamů

bestonline.cz Podpora Portál Požadavky Úkoly Hovory 0 Znalosti Dokumenty Zákazníci Reporty Inventář Kalendář Výkazy Produkty Administrace Nový Hledat...
Administrace / Automatizace / Úprava
06.04.2022 14:47:57, Tomáš Sýkora

Název	Přijato
Oblast	Požadavek
Výběr určuje, které oblasti v aplikaci se bude pravidlo týkat.	
Údálosti	Událost využívá spuštění pravidla.
Změna stavu požadavku	
Podmínky	Nastavení podmínek, kdy budou pravidla platit.
Stav požadavku je Incident/Přijato	
Akce	Určení chování, co má pravidlo udělat.
Poslat webhook	
Typ požadavku	<input checked="" type="radio"/> GET <input type="radio"/> POST
Url	https://api.robolytix.com/v1/w/84386806-0f0a-40eb-999c-1c9d0803fc78?runid= {{TICKET_ID}}
Autentifikace	
Neodesílat, pokud je událost volána pomocí API	
Zástupné řetězce	{{TICKET_ID}} ID požadavku {{TICKET_REF}} Referenční ID požadavku {{TICKET_SUBJECT}} Předmět požadavku {{TICKET_SERVICE}} Služba {{TICKET_SUBMITTEREMAIL}} Email zadavatele
Zastavit zpracování	<input type="radio"/> Ano <input checked="" type="radio"/> Ne
Nastavení určuje, zda budou zpracovány další pravidla při splnění podmínek - akce jednoho pravidla mohou ovlivnit podmínky následujícího pravidla. Pořadí pravidel je možné měnit.	
Kalendář	Bez kalendáře
Automatická provedení pouze v časech, které jsou uvedeny ve zvoleném kalendáři.	
Správa kalendářů	
Uložit Zpět	

Verze: 4.16.1

Raw Data to Processed Data

Checkpoints

Webhooks

```
{
  "sonarId": "66090135-ef80-42c0-a4bb-10d244cbdbbc",
  "runId": "123456789",
  "createdOn": "2022-06-29T07:48:29.2031685+00:00",
  "variables": [
    {
      "variableId": "vid-1",
      "value": "string text"
    },
    {
      "variableId": "vid-2",
      "value": 123
    },
    {
      "variableId": "vid-3",
      "value": 123.3
    }
  ]
}
```

Settings

Sonar edit

Process list

Add your process Show all (including inactive)

Process name	Group	Tags	Action
Amber2Robolytix - service	Monitoring		Edit @ DEV-import History of Sonar operations \$ DEV
Butovice	My processes		Edit @ DEV-import History of Sonar operations \$ DEV
Chomutov	My processes		Edit @ DEV-import History of Sonar operations \$ DEV
Děčín	My processes		Edit @ DEV-import History of Sonar operations \$ DEV

Sonar name: Expedice plazmy

Sonar type: continuous

Data source service: Robolytix Data Collector & Data Gateway

Sonar description:

Stop time recording the process runtime and wait until ...

Do not wait

Next sonar

Exact sonar

BranchList:

[Save](#) [Close](#)

Runs

Created on : 29.06.2022 9:41:21	Received on : 29.06.2022 9:41:54	Sonar name : Odber záhajen	Sonar type : Continuous	Service name : Robolytix Data Collector & Data Gateway	Run ID : 280444-101	Other : Sonard: 13593240-e0d6-4704-a416-c41c16232e1b	Variables : PROVODAREUv1d-159=4 KDOZAPSAUv1d-59=20 DRUHOBERUv1d-12=2 DODRUEBERUv1d-12=2 BLEEDNUv1d-11=10122007091 APPLICANTv1d-14=2 STAVODBERUv1d-13=0
29.06.2022 9:34:19	29.06.2022 9:41:54	Odber záhajen	Continuous	Robolytix Data Collector & Data Gateway	280443-101	Sonard: 13593240-e0d6-4704-a416-c41c16232e1b	PROVODAREUv1d-159=4 KDOZAPSAUv1d-59=20 DRUHOBERUv1d-12=2 DODRUEBERUv1d-12=2 BLEEDNUv1d-11=10122007090 APPLICANTv1d-14=2 STAVODBERUv1d-13=0
29.06.2022 9:34:11	29.06.2022 9:41:48	Přijet na recepcí	Start	Robolytix Data Collector & Data Gateway	280444-101	Sonard: c2cd95d8-1052-4b63-a7ff-e14a7ab44168	PROVODAREUv1d-159=4 DONORNUMCENTERv1d-17=10122007090 IDCENTERv1d-21=10122007090 ZALOZI(v1d-8)=195 DODRUEBERUv1d-12=2 BLEEDNUv1d-11=10122007091 APPLICANTv1d-14=2 STAVODBERUv1d-13=0

Edges

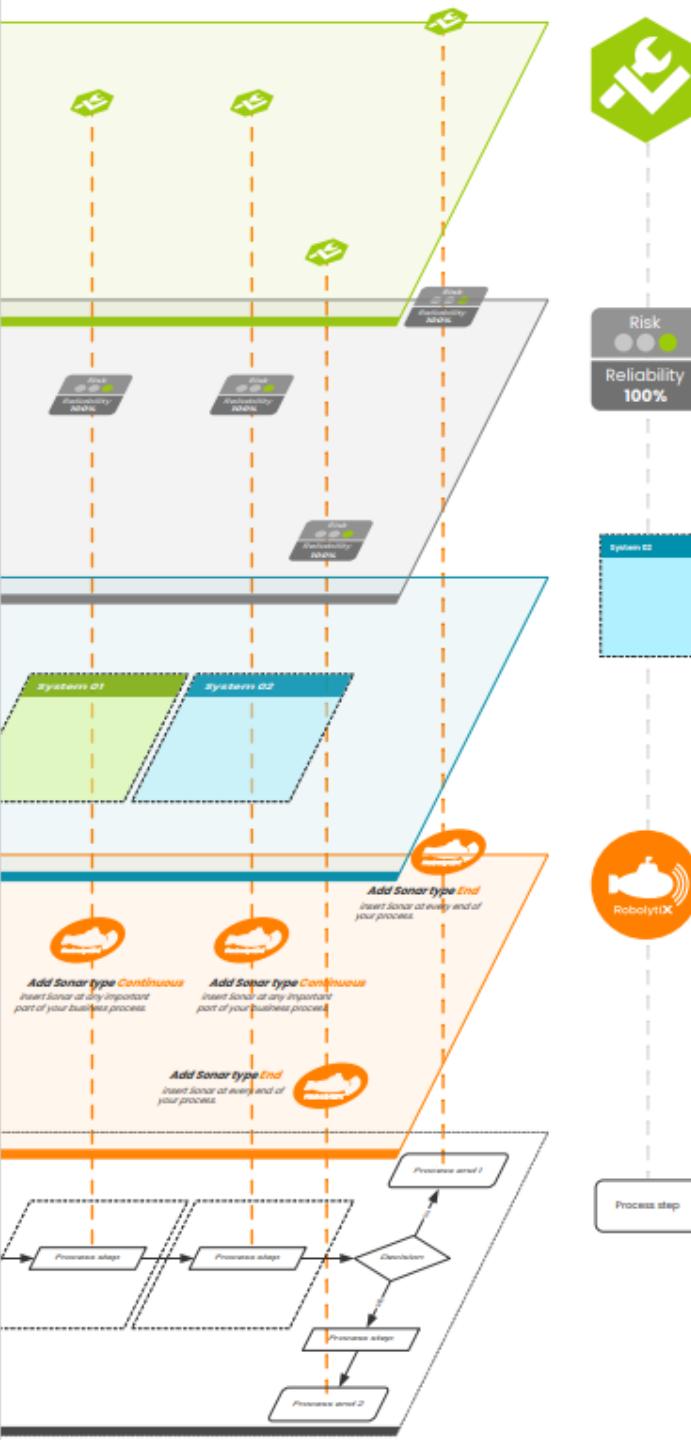
Date from : 25.06.2022 6:58:02	Date to : 25.06.2022 8:10:23	Process : Teplice	State : Completed	Run ID : 280282-101	01h 12m	1	2	1	0	Yes	Run details
Date from : 25.06.2022 6:59:36	Date to : 25.06.2022 8:10:29	Process : Teplice	State : Completed	Run ID : 280283-101	01h 10m	1	2	1	0	Yes	Run details
Date from : 25.06.2022 7:07:16	Date to : 25.06.2022 8:10:39	Process : Teplice	State : Completed	Run ID : 280284-101	01h 03m	1	2	1	0	Yes	Run details
Date from : 25.06.2022 7:09:32	Date to : 25.06.2022 8:36:05	Process : Teplice	State : Completed	Run ID : 280285-101	01h 26m	1	3	1	0	Yes	Run details
Date from : 25.06.2022 7:11:49	Date to : 25.06.2022 8:15:24	Process : Teplice	State : Completed	Run ID : 280286-101	01h 03m	1	2	1	0	Yes	Run details

Sonar name	Sonar type	Sonar name	Sonar type	Number of runs	Average duration
Přijet na recepcí	start	Kontrola u lékaře	continuous	3	21m 20s
Přijet na recepcí	start	Odběr záhajen	continuous	139	04m 57s
Kontrola u lékaře	continuous	Odběr ukončení	continuous	11	40m 24s
Kontrola u lékaře	continuous	Odběr záhajen	continuous	14	03m 05s
Kontrola u lékaře	continuous	Odběr kontinuální výzvou dokončen	end	7	02m 36s
Kontrola u lékaře	continuous	Odměna vyplacená	end	2	06m 51s
Odběr ukončení	continuous	Kontrola u lékaře	continuous	3	14m 28s
Odběr ukončení	continuous	Odměna vyplacená	end	144	07m 08s
Odběr záhajen	continuous	Kontrola u lékaře	continuous	11	15m 26s
Odběr záhajen	continuous	Odběr ukončení	continuous	136	47m 45s
Total				490	02h 43m

Implementation

- Connectors
- Webhooks
- REST API
- Email

<https://www.robolytix.com/resources/>
<https://api.robolytix.com/apidoc>



5. Final process setup and commissioning

At the start of the regular operation of Robolytix, the implementer and the client work closely together. Together, they select the start date for live operation and add other settings, especially:

- KPI settings and their definitions
- Alert settings and their definitions
- Report settings

4. Evaluation of test data from Sonars

Data from testing are evaluated in terms of credibility of the obtained data. All Sonars are supplemented with a status that defines their reliability and risks. The aim is to keep the monitoring of data virtually at the level of audit documents.

3. Technical definition of the connection of individual Sonars

The individual Sonars are assigned the systems in which they are localizing. The implementation partner will design the technical implementation of data collection from each Sonar (Robolytix connector, API, webhook etc.). If necessary, it will also propose additional technical specifications, such as the availability of the Internet, the need for data caching.

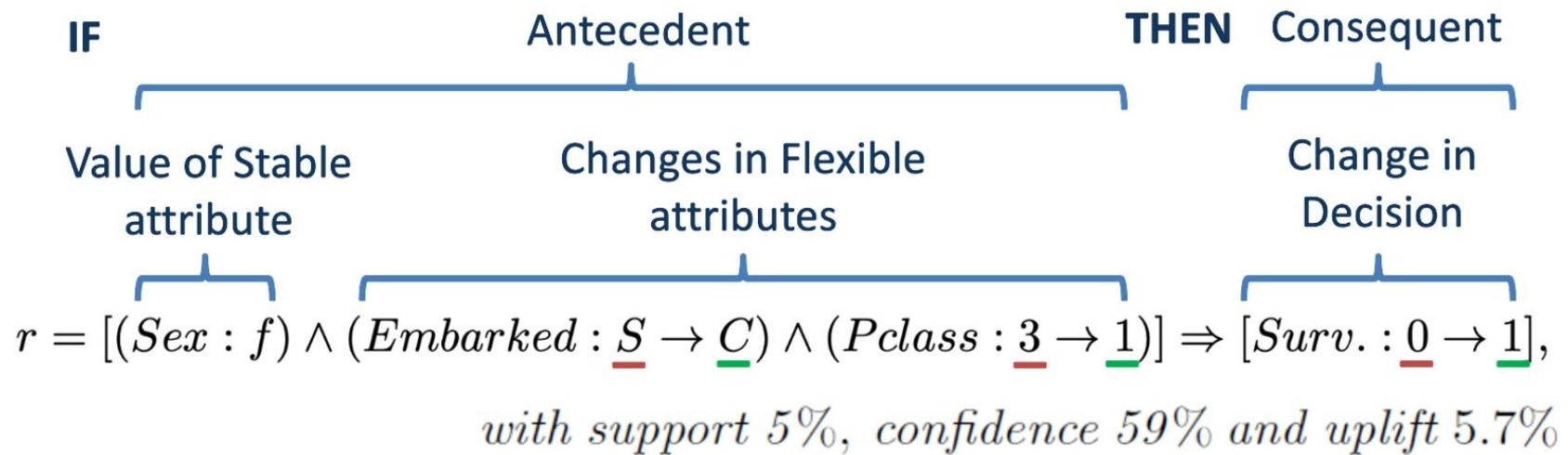
2. Deployment of Sonar checkpoints in the process

Understanding the process in the context of its goals allows the analyst to identify the critical points of the process. Designs locations for measuring points - Sonars for collecting analytical data so that it is possible to monitor KPIs. The analyst also takes into account possible future changes, different types of views on the process and other professional experience. For individual Sonars, the implementer, in agreement with the client, will design the names of the Sonars so that they are sufficiently

1. Analysis and understanding of the business value of the process

The first step for the Robolytix implementer is to understand the individual steps of the process, their connections and logical conditions. The goal is to verify that the process has a clearly defined beginning, how many branches it contains, what relations and logical conditions apply between the individual steps also, whether there are cycles or other illogicalities during it.

Action Rules



<https://pypi.org/project/actionrules-lukassykora/>

Thank you for your attention.