

Process Mining for Jira Datacenter

General Information

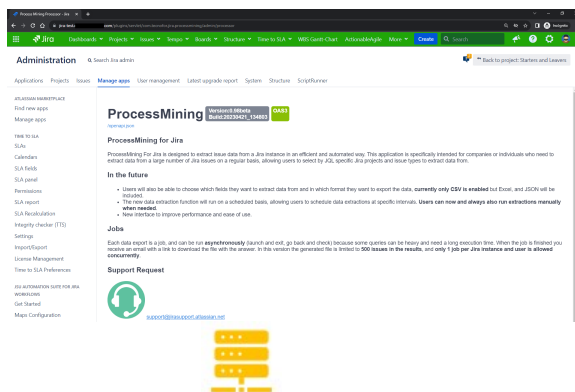
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Process Mining for Jira Datacenter

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Datacenter



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The **ProcessMining For Jira** is designed to extract data from issues at a Jira instance in an efficient and automated way. This app is specifically thought for businesses or individuals

that need to extract data from a large number of Jira issues on a regular basis, allowing users to select by JQL specific Jira projects and issue types from which to extract data.

➤ Description

The ProcessMining For Jira is designed to extract data from issues at a Jira instance in an efficient and automated way. This app is specifically thought for businesses or individuals that need to extract data from a large number of Jira issues on a regular basis, allowing users to select by JQL specific Jira projects and issue types from which to extract data.

In a future

- users will also be able to choose which fields they want to extract data from and in what format they want to export the data, **at the moment only CSV is enabled** but will be included Excel, and JSON.
- runs on a schedule, allowing users to schedule data extractions at specific intervals. **Now and ever users can also run extractions manually** when they needed.
- new interface for better performance and usability

Take a look to this short video:

➤ Install and configuration

Install in Jira by your Jira Admin using the standard view of "Manage Apps" "Find new Apps"

➤ Firewall rules for Jira instances behind VPN

Your Jira must allow incoming connections from IP **217.125.114.42** and/or **https://processmining.tecnofor.es/***

➤ How does it work?

Only Jira Admins can use this App. Just go to "Manage Apps" "Process Mining" and click in "/start_job" POST method

Jobs

Each data export is a Job, and can be run in **asynchronous way** (launch and exit, return and check) because some queries can be heavy and need a long execution time. When the job finishes you received an email with a link to download the file with the response. In this version the file generated is limited to **500 issues on results**, and only is allowed **1 job for Jira instance and user concurrently**.

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ATLASSIAN MARKETPLACE
Find new apps
Manage apps

TIME TO SLA
SLAs
Calendars
SLA fields
SLA panel
Permissions
SLA report
SLA Recalculation
Integrity checker (TIS)
Settings
Import/Export
License Management
Time to SLA Preferences

JSU AUTOMATION SUITE FOR JIRA
WORKFLOWS
Get Started
Maps Configuration

POST /start_job Start and launch the process (Required fields Jira Instance, Email, Token and JQL that filter the incidents from which you can extract data)

Parameters

Name	Description
urlbase * required string (query)	url of JIRA instance <input type="text" value="https://jira-test.com/"/>
email * required string (query)	email with access to JIRA instance <input type="text" value="my@email.com"/>
token * required string (query)	token of the email <input type="text" value="XXXXXX"/>
JQL * required string (query)	JQL query that select or filter issues <input type="text" value="project = JIRA"/>

- Click in **"/start_job"** expand the method and click in the button **"Try it out"**
 - Please fill the input parameters:
 - Email**
 - Token.** Obtain one from Go to <https://jira.yourcompany.com/secure/ViewProfile.jspa?selectedTab=com.atlassian.pats.pats-plugin:jira-user-personal-access-tokens> and create a new **Personal Access Token**
 - More info in: <https://confluence.atlassian.com/enterprise/using-personal-access-tokens-1026032365.html>
 - JQL.** A Jira Query Language sentence to obtain tickets from some projects. Example: **project = JIRA**
 - Click in **"Execute"** button
 - When the process finish, you will get **an email with a link to download the CSV file**
- Here an example of a succesful call to **"/start_job"**

POST /start_job Start

Parameters

Name	Description
urlbase * required string (query)	<input type="text" value="https://demo.atlassian.net/"/>
email * required string (query)	<input type="text" value="atlassian.supportdesk@"/>
token * required string (query)	<input type="text" value="ATA"/>
JQL * required string (query)	<input type="text" value="project = IOU and (key > IOU-27421 AND key < IOU-27422)"/>

Responses

Content-Type: application/json

200

Response body

Download

Link to download CSV

- Exists other methods like **"/status_job"** or **"/stop_job"**. If your export is becoming too large, you can always cancel the import using stop_job, or you can know the status of the job using "/status_job". The parameters are the same. **Only one job at same time is accepted by instance.**

- The final result will be an **email** with a link to the **CSV file**:
 - Process mining assumes the existence of an event log where each event refers to a case, an activity, and a point in time. An event log can be seen as a collection of cases and a case can be seen as a trace/sequence of events.
 -

Event data may come from a wide variety of sources:

- a **comma-separated values (CSV) file or spreadsheet**,
- a database system (e.g., patient data in a hospital),
- a transaction log (e.g., a trading system),
- a business suite/ERP system (SAP, Oracle, etc.),
- a message log (e.g., from IBM middleware),
- an open API providing data from websites or social media,

CSV

- Ideally, event logs are stored in the standard format for process mining XES. However, the native format is seldom and an event log. Often Comma-Separated Values (CSV) files are used as an intermediate format. The rows in a CSV file correspond to events and the columns to attributes of events. There should be columns for the case identifier, the activity name, and the timestamp of an event, but there may be many more attributes.
- ProM and most other process mining tools (Celonis, Uipath, Minit, Apromore, Inverbis, etc.) can convert a CSV file into an event log by assigning columns to process mining concepts.

patient	activity	timestamp	doctor	age	cost
5781	make X-ray	23-1-2014@10.30	Dr. Jones	45	70.00
5541	blood test	23-1-2014@10.18	Dr. Scott	61	40.00
5833	blood test	23-1-2014@10.27	Dr. Scott	24	40.00
5781	blood test	23-1-2014@10.49	Dr. Scott	45	40.00
5781	CT scan	23-1-2014@11.10	Dr. Fox	45	1200.00
5833	surgery	23-1-2014@12.34	Dr. Scott	24	2300.00
5781	handle payment	23-1-2014@12.41	Carol Hope	45	0.00
5541	radiation therapy	23-1-2014@13.57	Dr. Jones	61	140.00
5541	radiation therapy	23-1-2014@13.08	Dr. Jones	61	140.00
...

case id

activity name

timestamp

resource

other data

Release Notes

2023-08-23 First version of the App
