



**Celonis Package**

**Readme**

---

**Version 1.0.2**

**22/02/2022**

## Table of Contents

1.	Introduction .....	3
1.1	Overview .....	3
1.2	Use cases .....	3
2.	Requirements & Prerequisites.....	4
2.1	System Requirements.....	4
2.2	Prerequisites.....	4
3.	Getting Started .....	7
3.1	Quick Start.....	7
3.1.1	Setup .....	7
3.1.2	Configuration and Use .....	7
3.2	Samples .....	<b>Error! Bookmark not defined.</b>
4.	Support & FAQs .....	11
4.1	Support.....	11
4.2	FAQs .....	11

---

# 1. Introduction

---

This document contains all essential information for the user to make full use of this **Automation 360 Celonis Package**. It includes a description of the functions and capabilities and step-by-step procedures for setup & configuration of the **Automation 360 Celonis Package**.

## 1.1 Overview

The integration is based on Automation 360 REST APIs to retrieve Audit and AARI data and the Celonis Data Push API to send event data to Celonis EMS.

The Celonis Data Push API provides an easy way to transfer data into the Celonis EMS.

For pushing data, Celonis currently uses microbatching. Instead of inserting either huge chunks all at once, or inserting record by record, data meant to be pushed into the platform is structured into these so-called "microbatches."

As an exchange format, the commonly used Parquet or CSV file format is used.

The API provides an easy way of creating, executing, and monitoring microbatch jobs. After the data is available in the system, you can transform, analyze and work with it in the same way you would with a Celonis-provided extractor.

## 1.2 Use cases

The key use cases include:

- Push "Automation Anywhere Robotic Interface" (AARI) events to Celonis
- Push Control Room Audit events to Celonis
- Push generic process events to Celonis based on an existing process model
- Analyze your AARI processes regarding KPIs and process flow

---

## 2. Requirements & Prerequisites

---

### 2.1 System Requirements

- Enterprise Automation 360.23+

### 2.2 Prerequisites

You need the following information to use this package

- Celonis Base URL , e.g. <https://automation-anywhere-inc-sandbox.demo.celonis.cloud>
- Bearer Token
- Data Pool ID
- Data Model ID

### 2.3 Limits

There is a 1 GB data limit on each data chunk. In general, it makes sense to split up data in smaller chunks which are significantly smaller than 1 GB. For a push job as a whole which can contain multiple chunks there is no data limit.

The API to submit a push job is rate limited on a team basis. These limits are fixed to guarantee platform stability.

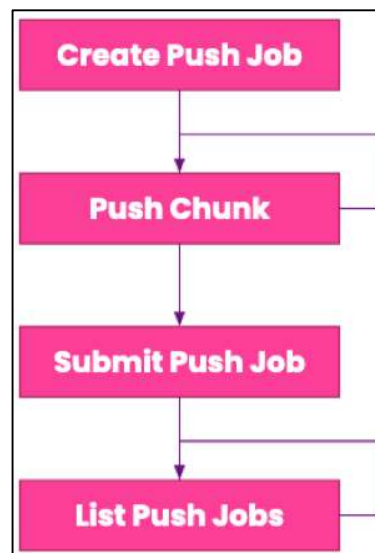
- 10 requests/second
- 250 requests/hour - The interval starts at the full hour (UTC based).

## 2.4 How it works

- **Creating a Push Job** defines in which Data Pool, in which Data Connection and in which table data should be pushed

You can also define a table schema and primary keys for delta loading when creating a Push Job

- You send data to the EMS by **pushing chunks**
- **Submitting a Push Job** is asynchronous
- To check the status of the Push Job you need to **list the Push Jobs** which contains their status



## 2.5 Authentication

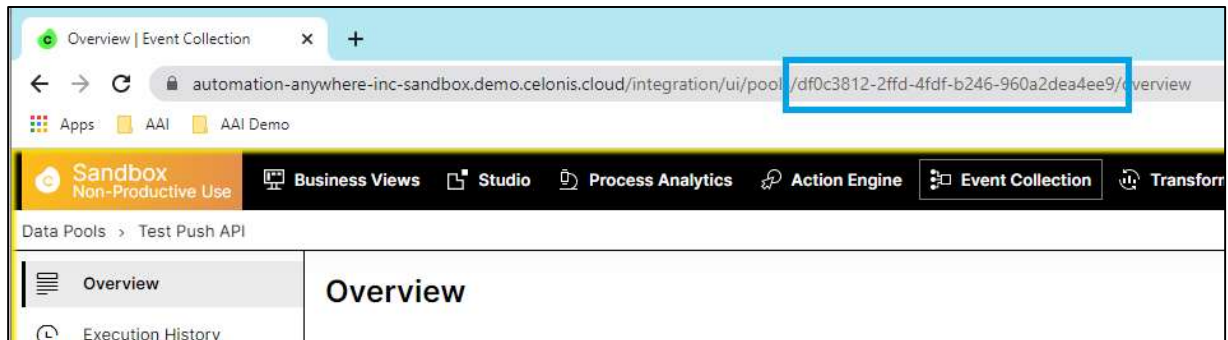
If you would like to connect and use the API, you first need to create an API key or Application Key. With this unique key you identify yourself with the API. You can generate a API key on the "Edit Profile" page which is user specific.

Click on the "Create API Key" button in the "API-Keys" section. Copy the generated API Key to the clipboard (it is not possible to view the key again for security reasons).

If you forgot your API Key, delete the old one and generate a new one.

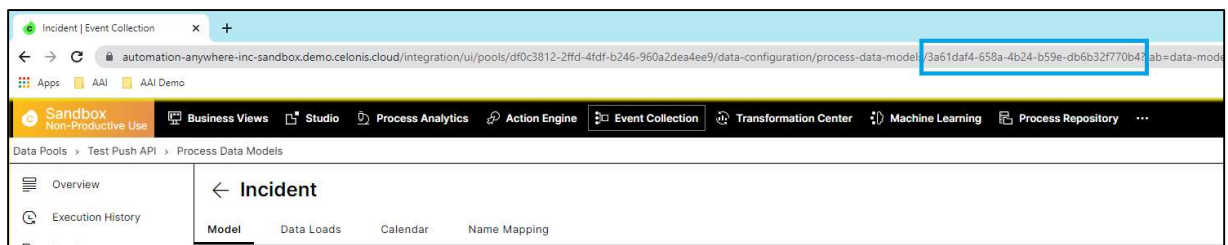
## 2.6 Data Pool ID

Take the ID of the Data Pool which you want to populate with data. You can find it in the URL after entering your pool in the Event Collection part of the Celonis EMS.



## 2.7 Process Data Model ID

Take the ID of the Process Data Model which you want to update with event data. You can find it in the URL after entering you Process Data Model in the Data pool and click on the Process Data model.



---

## 3. Getting Started

---














### 3.1 Quick Start

#### 3.1.1 Setup

Import the Automation 360 Celonis Package in the Control Room under Bots->Packages

#### 3.1.2 Configuration and Use

The package contains the following command actions

>	 Data Model Load
>	 Delete Job
>	 End Celonis session
>	 Execute Job
>	 Data Model Tables
>	 List Jobs
>	 New AARI Push Job
>	 New Audit Push Job
>	 New Generic Push Job
>	 Push CSV File
>	 Save Control Room AARI Events
>	 Save Control Room Audit Events
>	 Start Celonis session

Name	Description	Parameter	
<b>Start Celonis session</b>	Start new session	Session Name	Name of the new session
		Celonis Base URL	Base URL of the Celonis Cloud Instance
		Bearer Token	Bearer token for authentication
		Data Pool ID	Data pool where to push events
<b>End Celonis session</b>	End session	Session Name	Current session
<b>Save Control Room AARI Events</b>	Save AARI Events to a CSV File	Session Name	Current session
		CSV File Name	File Name where to store events
		Offset	Each command execution saves max 1000 events. So, you have to increase the offset parameter by 1000 to get the next 1000 events.
		Append	Append events to existing CSV file
		Process Names (optional)	Filter events by process names
		More?	More events exist?
<b>Save Control Room Audit Events</b>	Save Audit Events to a CSV File	Session Name	Current session
		CSV File Name	File Name where to store events
		Offset	Each command execution saves max 1000 events. So every time you have to add 1000 to the offset parameter to get the next 1000 events.
		Append	Append events to existing CSV file
		Filter	Define filter as a table or a JSON string. For more details please refer to <a href="https://docs.automationanywhere.com/bundle/enterprise-v2019/page/enterprise-cloud/topics/control-room/control-room-api/cloud-api-audit-api-fetch-audit-data.html">https://docs.automationanywhere.com/bundle/enterprise-v2019/page/enterprise-cloud/topics/control-room/control-room-api/cloud-api-audit-api-fetch-audit-data.html</a> <a href="https://docs.automationanywhere.com/bundle/enterprise-v2019/page/enterprise-cloud/topics/control-room/control-room-api/cloud-api-filter-request.html">https://docs.automationanywhere.com/bundle/enterprise-v2019/page/enterprise-cloud/topics/control-room/control-room-api/cloud-api-filter-request.html</a>
		More?	More events exist?

<b>New AARI Push Job</b>	Creates new Data Push Job for AARI events	Session Name	Current session
		Type	"Delta" or "Replace" event data
		Target Name	Name of the target table
		Create Target	Create the table
		Job Id	Id of the new Celonis data push job
<b>New Audit Push Job</b>	Creates new Data Push Job for Audit events	Session Name	Current session
		Type	"Delta" or "Replace" event data
		Target Name	Name of the target table
		Create Target	Create the table
		Job Id	Id of the new Celonis data push job
<b>New Generic Push Job</b>	Creates new Data Push Job for generic business events	Session Name	Current session
		Type	"Delta" or "Replace" event data
		Upload Strategy	"Unchanged Metadata" or "with Nullification"
		Target Name	Name of the target table (should already exist)
		Table Columns	Refer to the Celonis Data Push API documentation for more details
		CSV Parsing Options (optional)	Refer to the Celonis Data Push API documentation for more details
		Job Id	Id of the new Celonis data push job
<b>Push CSV File</b>	Sends the CSV file to Celonis EMS	Session Name	Current session
		File Name	File where events are stored
		Job Id	Id of the created Celonis data push job
		Status (optional)	Status of the file upload
<b>Execute Job</b>	Execute the Data Push Job	Session Name	Current session
		Job Id	Id of the created Celonis data push job

		Status (optional)	Status of the job execution
<b>List Jobs</b>	List Data Push Jobs	Session Name	Current session
		Jobs dictionary (id,status)	Dictionary with job id (key) and job status (value)
<b>Delete Job</b>	Delete a Data Push Job	Session Name	Current session
		Job Id	Id of the Job
<b>Data Model Tables</b>	List of Data Model Tables	Session Name	Current session
		Data Model Id	Data Model ID
		Table Ids	List of tables that define the data model
<b>Data Model Load</b>	Update data of the data model	Session Name	Current session
		Data Model Id	Data Model ID
		Tables	List of tables where to update data
		Status (optional)	Status of updating the data model

---

## 4. Support & FAQs

---

### 4.1 Support

Free bots are not officially supported. You can get access to Community Support through the following channels:

- You can get access to Community Support, connecting with other Automation Anywhere customers and developers on– the [Bot Building Forum](#), the [Bot Store Support Forum](#), or the [Developers Everywhere Group](#).
- Automation Anywhere also provides a [Product Documentation portal](#) which can be accessed for more information about our products and guidance on [Enterprise A2019](#).

### 4.2 FAQs

You find more information about Celonis at

<https://www.celonis.com>

and the Celonis Data Push API at

<https://<Your Celonis Cloud Instance>/help/display/CIBC/Data+Push+API>

For questions relating to Enterprise Automation 360: See the [Enterprise Automation 360 FAQs](#).

---

## Appendix A: Record of Changes.

No.	Version Number	Date of Change	Author	Notes
<b>1</b>	<b>1.0.2</b>	<i>22/02/2022</i>	<i>Stefan Karsten</i>	<i>Initial version</i>

---

## Appendix B: References

No.	Topic	Reference Link
1	Overview of Enterprise Automation 360	Click <a href="#">here</a>
2	Guidance: Building basic Automation 360 bots	Click <a href="#">here</a>
3	Guidance: Building Automation 360 action packages	Click <a href="#">here</a>
4	APeople Community Forum	Click <a href="#">here</a>
5	Automation Anywhere University	Click <a href="#">here</a>