



AGCO

Alcohol and Gaming
Commission of Ontario



Ontario Cannabis Data Reporting POS Provider UAT Onboarding Guide

Purpose

The purpose of this document is to assist POS Providers with their onboarding onto the Ontario Cannabis Data Reporting UAT environment. The UAT environment provides POS Providers a test environment so that they can test their solution against the Ontario Cannabis Data Reporting platform. POS Providers will need to go through a checklist of tasks in the UAT environment and reviewed by OCS prior to being able to onboard into the PROD environment for the Pilot phase.

Assumptions

POS Providers are expected to have sent OCS a list of CROL/CRSAs that will participate in the pilot so that OCS can provide retailer hash keys for the participants.

OCS Integration Portal

The purpose of the integration portal is to act as a centralized platform which provides retailers, POS Vendors and AGCO access to API specifications, retailer hash keys, non-technical documentations, and other resources.

Access to Integration Portal

To gain access to the Integration Portal, POS Providers will need to e-mail OntarioCannabisDataReporting@ocs.ca asking for access to the UAT environment with the following information:

- Email address to be used (preferably a service account i.e. integrations@posprovider.com)
- Name (first and last) of technical support contact
- Email address of technical support contact

Afterwards, OCS will send an Azure onboarding e-mail to the e-mail address provided; please note that sometimes the onboarding e-mail may go into Junk inbox.



AGCO

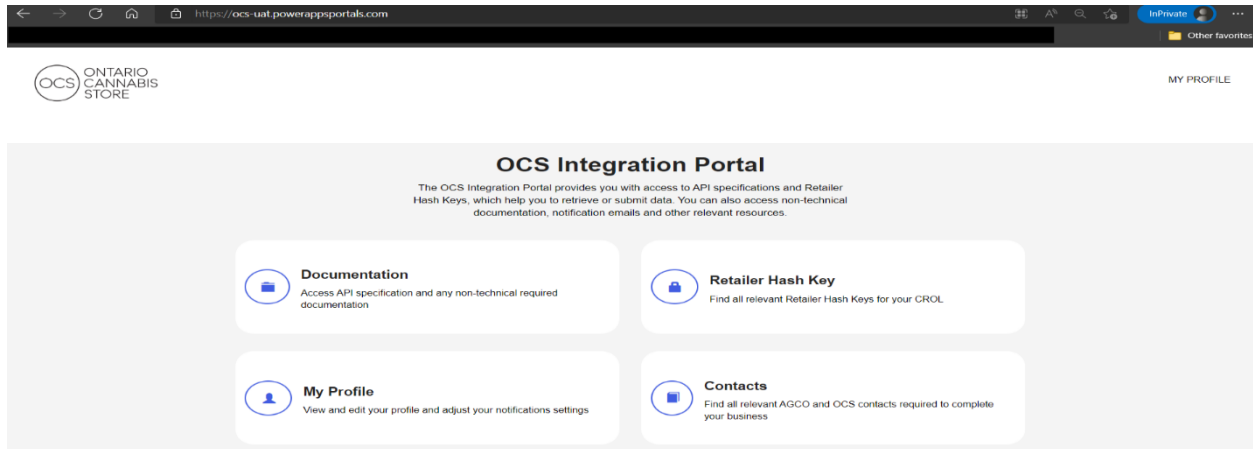
Alcohol and Gaming
Commission of Ontario



OCS Integration Portal Walkthrough

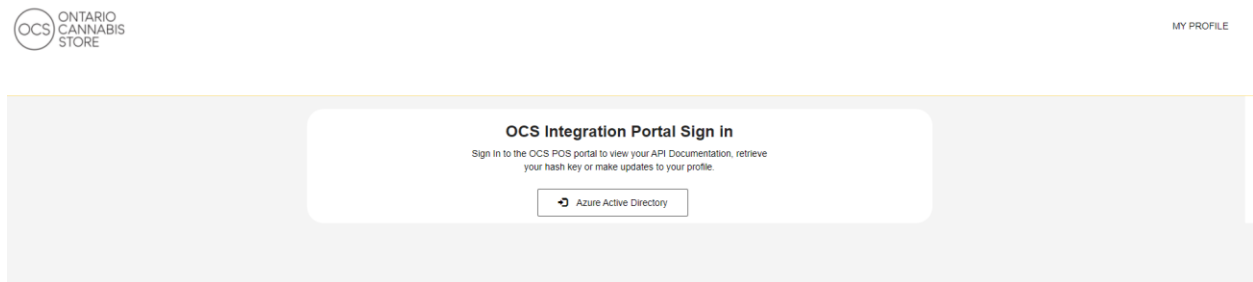
Step 1:

Go to <https://ocs-uat.powerappsportals.com>



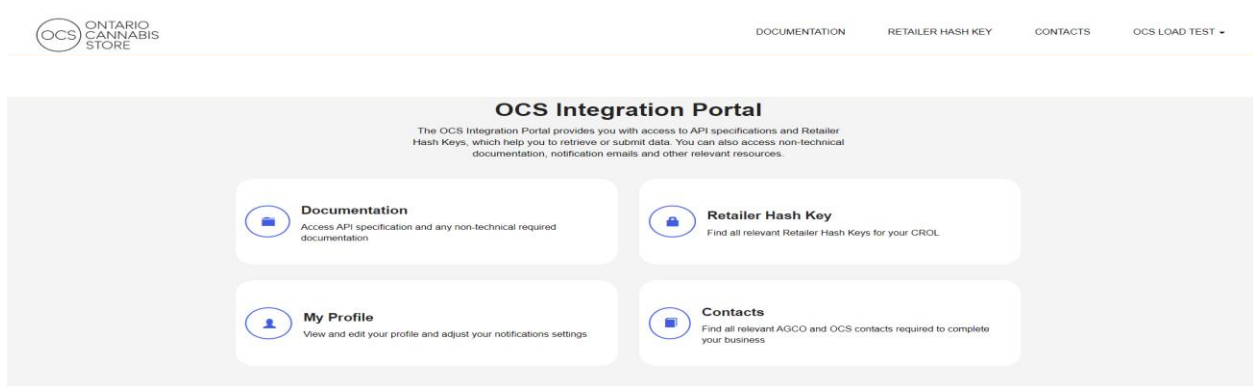
Step 2:

Click on My Profile and sign in using the credentials provided by OCS



Step 3:

Once signed-in, you will be able to access the subpages.






AGCO

Alcohol and Gaming
Commission of Ontario




Step 4:

In the Documentation page you will be able to find API related information. Click on the hyperlink under the APIs section.

 **ONTARIO CANNABIS STORE**

DOCUMENTATIONRETAILER HASH KEYCONTACTSOCS LOAD TEST




Documentation

You can find all API specifications and required non-technical documentations on this page.

APIs


Please use this link to access API related information: <https://apim-posdata-uat-cencan-001.developer.azure-api.net/documentation>

Downloadable Resources

NAME	DESCRIPTION	LAST UPDATED DATE
POS Data Platform: Integration Specifications 	The Data Platform uses RESTful APIs to receive inventory data from Retailers through their POS Provider. There are two primary endpoints that POS Providers need to integrate with to provide inventory events and inventory position to the data platform. The inventory events endpoint allows POS Providers to report data on inventory at the SKU level when a sale, purchase, return, destruction, or other event type occurs. The inventory position endpoint enables the reporting of inventory position (book value and quantity) at the SKU level.	2021-09-27

Step 5:

This should lead to the API subpage; click the Azure AD button to login once again.

 **ONTARIO CANNABIS STORE**

APIs

You can find all API specifications on this page.

Group by tag ☐

1

Name	Description	Type
No APIs found		

Azure AD Authentication



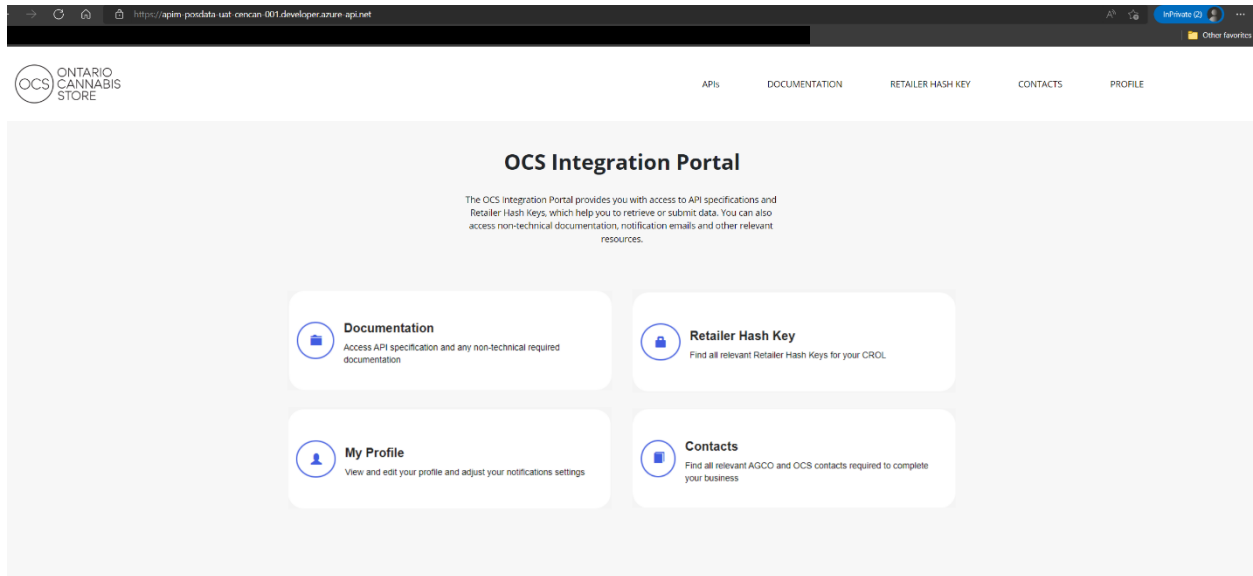
AGCO

Alcohol and Gaming
Commission of Ontario



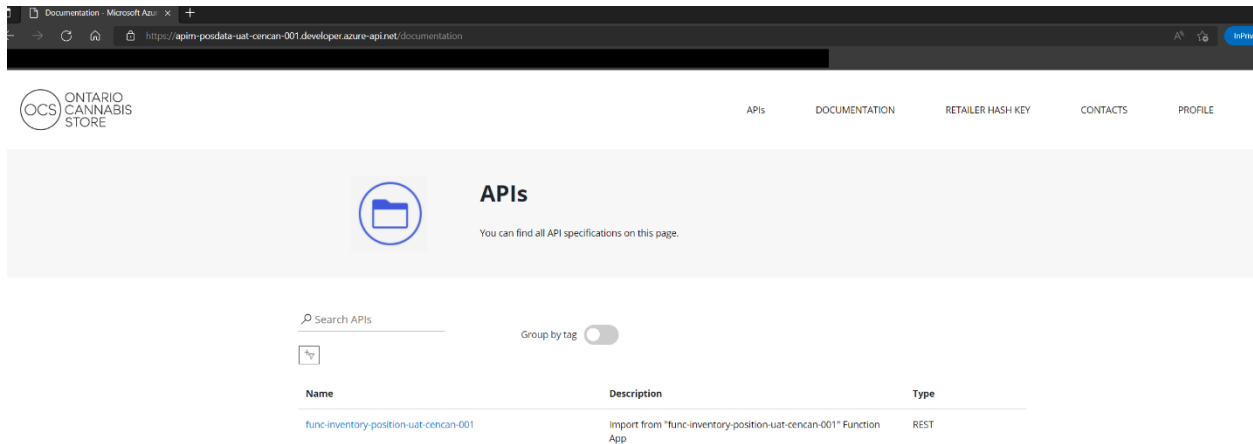
Step 6:

After signing in, you'll be redirected back to the home screen.



Step 7:

Click on APIs and you will be able to see all API related information.





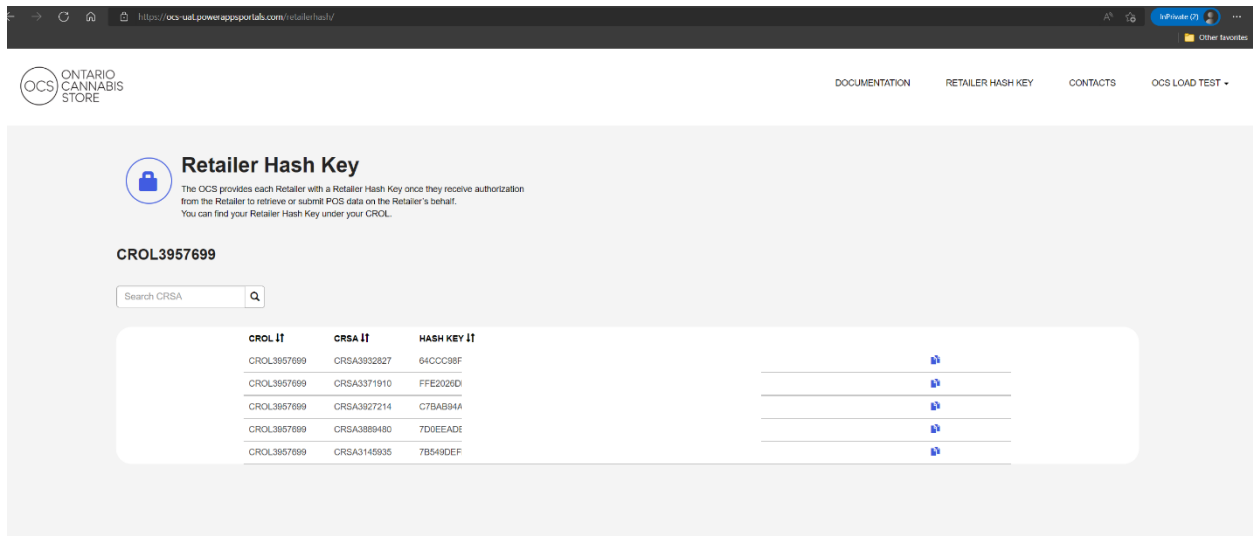
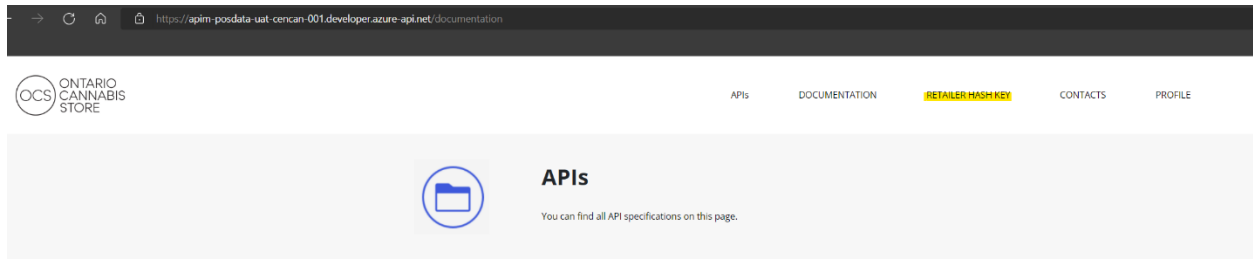
AGCO

Alcohol and Gaming
Commission of Ontario



Step 8:

To gain access to retailer_hashkey it will be located on Retailer Hash key page.



***Note:** The data displayed in these screenshots are for illustrative purposes only and will not reflect your actual CRSA information.

APIs

API Authentication

For Authorization setup details, kindly email OntarioCannabisDataReporting@ocs.ca. This is a very important step.



AGCO

Alcohol and Gaming
Commission of Ontario



Users will need to enter authentication information for each API call, the expected fields are:

- Grant_Type = client_credentials
- Client_id – will be provided by OCS once we receive an e-mail requesting for authorization setup
- Client_secret - will be provided by OCS once we receive an e-mail requesting for authorization setup
- Scope - will be provided by OCS once we receive an e-mail requesting for authorization setup
- URL – will be provided by OCS once we receive an e-mail requesting for authorization setup

Will receive a bearer token to be used in the any future API calls.

POST Inventory Events

POST Inventory Event API URL: [https://apim-posdata-uat-cencan-001.azure-api.net/func-inventory-position-uat-cencan-001/PosInventoryEventHttpTrigger\[?posVendor\]\[&posVendorVersion\]\[&retailerCRSA\]](https://apim-posdata-uat-cencan-001.azure-api.net/func-inventory-position-uat-cencan-001/PosInventoryEventHttpTrigger[?posVendor][&posVendorVersion][&retailerCRSA])

POST Inventory Events Query Parameters

KEY	VALUE
<input checked="" type="checkbox"/> retailerCRSA	CRSA9876550
<input checked="" type="checkbox"/> posVendor	Test Logic App
<input checked="" type="checkbox"/> posVendorVersion	Test Logic App v.99

POST Inventory Events Header

Params ●	Authorization	Headers (11)	Body ●	Pre-request Script ●	Tests ●	Settings
Headers 9 hidden						
	KEY					
<input checked="" type="checkbox"/>	retailer_hashkey					
<input checked="" type="checkbox"/>	Authorization					

Sample Inventory Event Payload

```
{
  "inventoryEventList": [
    {
      "ocsSku": "101955_3.5g___",
      "upcAndBarcode": "00708762000695",
      "posTransactionTimeStamp": "2022-04-14T14:31:30+05:30",
      "posTransactionLineId": "244ea9c4-a1f6-4162-8ddb-853083996acd",
      "inventoryEventType": "PURCHASE",
      "inventoryQuantityChange": "3",
    }
  ]
}
```



AGCO

Alcohol and Gaming
Commission of Ontario



```
{
  "inventoryValueChange": "80.85",
  "posSalesTransactionId": "76707133-2b74-4df3-971f-580bb2ed7292",
  "soldAtPrice": "49.95",
  "counterPartyCRSA": "",
  "reasonCategory": "test run"
}
```

POST Inventory Position

POST Inventory Position API URL: [https://apim-posdata-uat-cencan-001.azure-api.net/func-inventory-position-uat-cencan-001/PosInventoryPositionHttpTrigger?posVendor \[&posVendorVersion\] \[&retailerCRSA\] \[&positionTime Stamp\]](https://apim-posdata-uat-cencan-001.azure-api.net/func-inventory-position-uat-cencan-001/PosInventoryPositionHttpTrigger?posVendor [&posVendorVersion] [&retailerCRSA] [&positionTime Stamp])

POST Inventory Position Query Parameters

Params	Authorization	Headers (10)	Body	Pre-request Script	Tests	Settings
Query Params						
	KEY	VALUE	D			
<input checked="" type="checkbox"/>	posVendor	Jessie POS				
<input checked="" type="checkbox"/>	posVendorVersion	Jessie POS Version				
<input checked="" type="checkbox"/>	retailerCRSA	CRSA9876543				
<input checked="" type="checkbox"/>	positionTimeStamp	2022-06-21T20:20:39Z				

POST Inventory Position Header

Headers	9 hidden
	KEY
<input checked="" type="checkbox"/>	retailer_hashkey
<input checked="" type="checkbox"/>	Authorization

Sample Inventory Position Payload

```
{
  "inventoryPositionList": [
    {
      "ocsSku": "200007____",
      "upcAndBarcode": "4260248820952",
      "inventoryQuantityOnHand": "100",
      "inventoryBookValue": "3.24"
    }
  ]
}
```

```

    ]
}

```

GET ASN

GET ASN API Endpoint URL: [https://apim-posdata-uat-cencan-001.azure-api.net/func-inventory-position-uat-cencan-001/RetailerASNHttpTrigger?retailerCRSA\[/&startDateTime\[/&endDateTime](https://apim-posdata-uat-cencan-001.azure-api.net/func-inventory-position-uat-cencan-001/RetailerASNHttpTrigger?retailerCRSA[/&startDateTime[/&endDateTime)

GET ASN Query Parameters:

GET

https://apim-posdata-uat-cencan-001.azure-apl.net/func-inventory-position-uat-cencan-001/RetailerASNHttpTrigger?retailerCRSA=CRSA1100345&startDateTime=2019-03-25T00:00:00.000Z&endDateTime=2019-03-25T00:00:00.000Z

Send

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

KEY	VALUE	DESCRIPTION
retailerCRSA	CRSA1100345	
startDateTime	2019-03-25T00:00:00.000Z	
endDateTime	2019-03-26T00:00:00.000Z	
Key	Value	Description

Body

Cookies

Headers (6)

Test Results

Status: 200 OK Time: 3913 s Size: 146.59 KB Save Response

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "retailerCRSA": "CRSA1100345",
3   "startDateTime": "2019-03-25T00:00:00.000Z",
4   "endDateTime": "2019-03-26T00:00:00.000Z",
5   "retailerASNList": [
6     {
7       "shipmentID": "000609333",
8       "containerID": "500000394",
9       "SKU": "100121.3.5g____",
10      "itemName": "Tangerine Dream",
11      "unitPrice": "28.44",
12      "vendor": "MEDRELEAF CORP.",
13      "brand": "San Rafael '71",
14      "caseGTIN": "10628582000521",
15      "packageEndDate": "2059-07-23",
16      "batchLot": "0620452164321093",
17      "gTINBarcode": "011062858200052117500723106629452164321093",
18      "eachGTIN": "00628582000524",
19      "shippedQuantity": "48",
20      "UOM": "CA",
21      "UOMConversion": "24",
22      "UOMConversionQuantity": "2"
23    },
24    {
25      "shipmentID": "000609333",
26      "containerID": "500000396",
27      "SKU": "100027.3.5g____",
28      "itemName": "Skunk Haze",
29      "unitPrice": "23.33",
30      "vendor": "Tweed Inc.",
31      "brand": "Tweed",
```

GET Inventory Events

GET Inventory Events Endpoint URL: [https://apim-posdata-uat-cencan-001.azure-api.net/function/inventory-position-uat-cencan-001/POSInventoryEventFunction?\[crsa\]&posStartDate\]&posEndDate\]&pageNumber"\]](https://apim-posdata-uat-cencan-001.azure-api.net/function/inventory-position-uat-cencan-001/POSInventoryEventFunction?[crsa]&posStartDate]&posEndDate]&pageNumber)

i.e. <https://apim-posdata-uat-cencan-001.azure-api.net/func-inventory-position-uat-cencan-001/POSInventoryEventFunction?crsa=CRSA9876543&posStartDate=2022-09-28T00:00:00Z&posEndDate=2022-09-29T00:00:00Z&pageNumber=1>

GET Inventory Events Query Parameters:



AGCO

Alcohol and Gaming
Commission of Ontario



GEThttps://apim-posdata-uat-cencan-001.azure-api.net/func-inventory-position-uat-cencan-001/POSInventoryEventFunction?crsa=CRSA9876543&posStartDate=2022-09-28T00:00:00Z&posEndDate=2022-09-28T23:00:00ZSend

ParamsAuthorizationHeaders (8)BodyPre-request ScriptTestsSettingsCookies

Query Params

KEY	VALUE	DESCRIPTION	
<input checked="" type="checkbox"/> crsa	CRSA9876543		Bulk Edit
<input checked="" type="checkbox"/> posStartDate	2022-09-28T00:00:00Z		
<input checked="" type="checkbox"/> posEndDate	2022-09-28T23:00:00Z		
<input checked="" type="checkbox"/> pageNumber	1		
Key	Value	Description	

GET

https://apim-posdata-uat-cencan-001.azure-api.net/func-inventory-position-uat-cencan-001/POSInventoryEventFunction?crsa=CRSA9876543&posStartDate=2022-09-28T00:00:00Z&posEndDate=2022-09-29T00:00:00Z

Send

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Cookies

Headers

7 hidden

KEY	VALUE	DESCRIPTION		Bulk Edit	Presets
<input checked="" type="checkbox"/> retailer_hashkey	2ce857de2ac136bdeb0279efc63214e2e208c62e5ccdb31805cfd1a4002c83				
Key	Value	Description			

GET Inventory Events Results:

Body	Cookies	Headers (8)	Test Results (8/8)	Status: 200 OK Time: 131 ms Size: 1.37 KB Save Response
Pretty	Raw	Preview	Visualize	JSON
<pre>1 { 2 "crsa": "CRSA9876543", 3 "posStartDateTime": "2022-09-28T00:00:00Z", 4 "posEndDateTime": "2022-09-28T23:00:00Z", 5 "pageNumber": 1, 6 "inventoryEventList": [7 { 8 "ocsku": "198173-1g-...", 9 "upcAndBarcode": "080857080808333", 10 "posTransactionTimeStamp": "2022-06-24T14:31:38Z", 11 "postingDateTimeStamp": "2022-09-28T20:00:31.283333Z", 12 "posTransactionLineId": "826fd41f-3c6a-4a56-8c4c-4a536fb0fa41", 13 "inventoryEventType": "PURCHASE", 14 "inventoryQuantityChange": 31, 15 "inventoryValueChange": 88.85, 16 "posSalesTransactionId": "66c22f91-5872-4f97-b102-833912588286", 17 "soldAtPrice": 49.95, 18 "counterPartyCRSA": "", 19 "reasonCategory": "P537 SKU-UPC valid match", 20 "posVendor": "Jessie Testing", 21 "posVendorVersion": "Jessie Testing" 22 }, 23 { 24 "ocsku": "OCSSKU123", 25 "upcAndBarcode": "080814320808666", 26 "posTransactionTimeStamp": "2022-06-24T15:31:38Z", 27 "postingDateTimeStamp": "2022-09-28T20:00:31.283333Z", 28 "posTransactionLineId": "9774d43c-3d4c-4c9a-9a81-89c86964ef5c", 29 "inventoryEventVoe": "PURCHASE", </pre>				

GET Inventory Position

Get Inventory Position Endpoint URL: [https://apim-posdata-uat-cencan-001.azure-api.net/func-inventory-position-uat-cencan-001/POSInventoryPositionFunction?crsa=\[&posStartDate\]\[&posEndDate\]\[&pageNumber\]](https://apim-posdata-uat-cencan-001.azure-api.net/func-inventory-position-uat-cencan-001/POSInventoryPositionFunction?crsa=[&posStartDate][&posEndDate][&pageNumber])

i.e. <https://apim-posdata-uat-cencan-001.azure-api.net/func-inventory-position-uat-cencan-001/POSInventoryPositionFunction?crsa=CRSA9876543&posStartDate=2022-09-28T00:00:00Z&posEndDate=2022-09-29T00:00:00Z&pageNumber=1>

GET Inventory Position Query Parameters



AGCO

Alcohol and Gaming
Commission of Ontario



GET

https://apim-posdata-uat-cencan-001.azure-api.net/func-inventory-position-uat-cencan-001/POSInventoryPositionFunction?crsa=CRSA9876543&posStartDate=2022-09-28T00:00:00Z&posEndDate=2022-09-29T00:00:00Z

Send

Params

Authorization

Headers (0)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/> crsa	CRSA9876543			
<input checked="" type="checkbox"/> posStartDate	2022-09-28T00:00:00Z			
<input checked="" type="checkbox"/> posEndDate	2022-09-29T00:00:00Z			
<input checked="" type="checkbox"/> pageNumber	1			
Key	Value	Description		

GET

https://apim-posdata-uat-cencan-001.azure-api.net/func-inventory-position-uat-cencan-001/POSInventoryPositionFunction?crsa=CRSA9876543&posStartDate=2022-09-28T00:00:00Z&posEndDate=2022-09-29T00:00:00Z

Send

Params

Authorization

Headers (0)

Body

Pre-request Script

Tests

Settings

Cookies

Headers

7 hidden

KEY	VALUE	DESCRIPTION	*** Bulk Edit Presets
<input checked="" type="checkbox"/> retailer_hashkey	2ce857de2ac136bdeb0279efc63214e2e208c62e5ccdb31805cfc1d1a4002c83		
Key	Value	Description	

Results:

Body	Cookies	Headers (0)	Test Results (0/0)	Status: 200 OK Time: 78 ms Size: 795 B Save Response
Pretty Raw Preview Visualize JSON				
<pre>1 { 2 "crsa": "CRSA9876543", 3 "posStartDate": "2022-09-28T00:00:00Z", 4 "posEndDate": "2022-09-29T00:00:00Z", 5 "pageNumber": 1, 6 "inventoryPositionList": [7 { 8 "ocsSku": "310048_2g...", 9 "upcAndBarcode": "00697238113222", 10 "postingDateTimeStamp": "2022-09-28T19:42:54.473333Z", 11 "inventoryPositionDate": "2022-06-21T20:28:39Z", 12 "inventoryQuantityOnHand": 11, 13 "inventoryBookValue": 3.24, 14 "posVendor": "Jessie POS", 15 "posVendorVersion": "Jessie POS Version" 16 }, 17 { 18 "ocsSku": "jessieSKU", 19 "upcAndBarcode": "00827763001217", 20 "postingDateTimeStamp": "2022-09-28T19:42:54.473333Z", 21 "inventoryPositionDate": "2022-06-21T20:28:39Z", 22 "inventoryQuantityOnHand": 22, 23 "inventoryBookValue": 3.24, 24 "posVendor": "Jessie POS", 25 "posVendorVersion": "Jessie POS Version" 26 } 27] 28 }</pre>				

GET Item Master

GET Item Master Endpoint URL: <https://apim-posdata-uat-cencan-001.azure-api.net/func-inventory-position-uat-cencan-001/RetailerItemCatalogueHttpTrigger?pageNumber>

i.e. <https://apim-posdata-uat-cencan-001.azure-api.net/func-inventory-position-uat-cencan-001/RetailerItemCatalogueHttpTrigger?pageNumber=10>

GET Item Master Query Parameter:



AGCO

Alcohol and Gaming
Commission of Ontario



GET https://apim-posdata-uat-cencan-001.azure-api.net/func-inventory-position-uat-cencan-001/RetailItemCatalogueHttpTrigger?pageNumber=10			Send
Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies			
Query Params			
KEY	VALUE	DESCRIPTION	...
<input checked="" type="checkbox"/> pageNumber	10		
Key	Value	Description	

Results:

Body	Cookies	Headers (6)	Test Results
Status: 200 OK Time: 24.54 s Size: 72.05 KB Save Response			
Pretty Raw Preview Visualize JSON			
<pre>1 { 2 "itemList": [3 { 4 "SKU": "100230_7g_...", 5 "GTIN": "10620242240939", 6 "brand": "Redecan", 7 "supplierName": "9037136 Canada Inc d.b.a Redecan Phaim", 8 "productName": "B.E.C.", 9 "category": "Flower", 10 "subCategory": "Dried Flower", 11 "subSubCategory": "Whole Flower", 12 "itemBarcode": "10620242240939", 13 "ocsItemNumber": "100230", 14 "productSize": "7g", 15 "productColor": "", 16 "driedEquivalency": "7.000000", 17 "packSize": "12.000000", 18 "retailPackValue": "1", 19 "minTHCPercent": "7.000000", 20 "maxTHCPercent": "11.000000", 21 "thcContentPerCap": "0.000000", 22 "thcContentPerVol": "0.000000", 23 "minCBDPercent": "5.000000", 24 "maxCBDPercent": "9.000000", 25 "cbdContentPerCap": "0.000000", 26 "cbdContentPerVol": "0.000000", 27 "minTHCGrams": "70.000000", 28 "maxTHCGrams": "110.000000", 29 "minCBDGrams": "50.000000", 30 "maxCBDGrams": "90.000000", 31 "UOM": "PK" 32 }, 33] 34 }</pre>			

Ontario Cannabis Data Reporting Checklist

POS Providers will need to satisfy all tasks outlined in the checklist prior to onboarding into the PROD environment. This will be a gating requirement to participate in the Pilot Phase.



OCS_POS Provider
Ontario Cannabis Dat