

# **Selling Service Quick View R2**

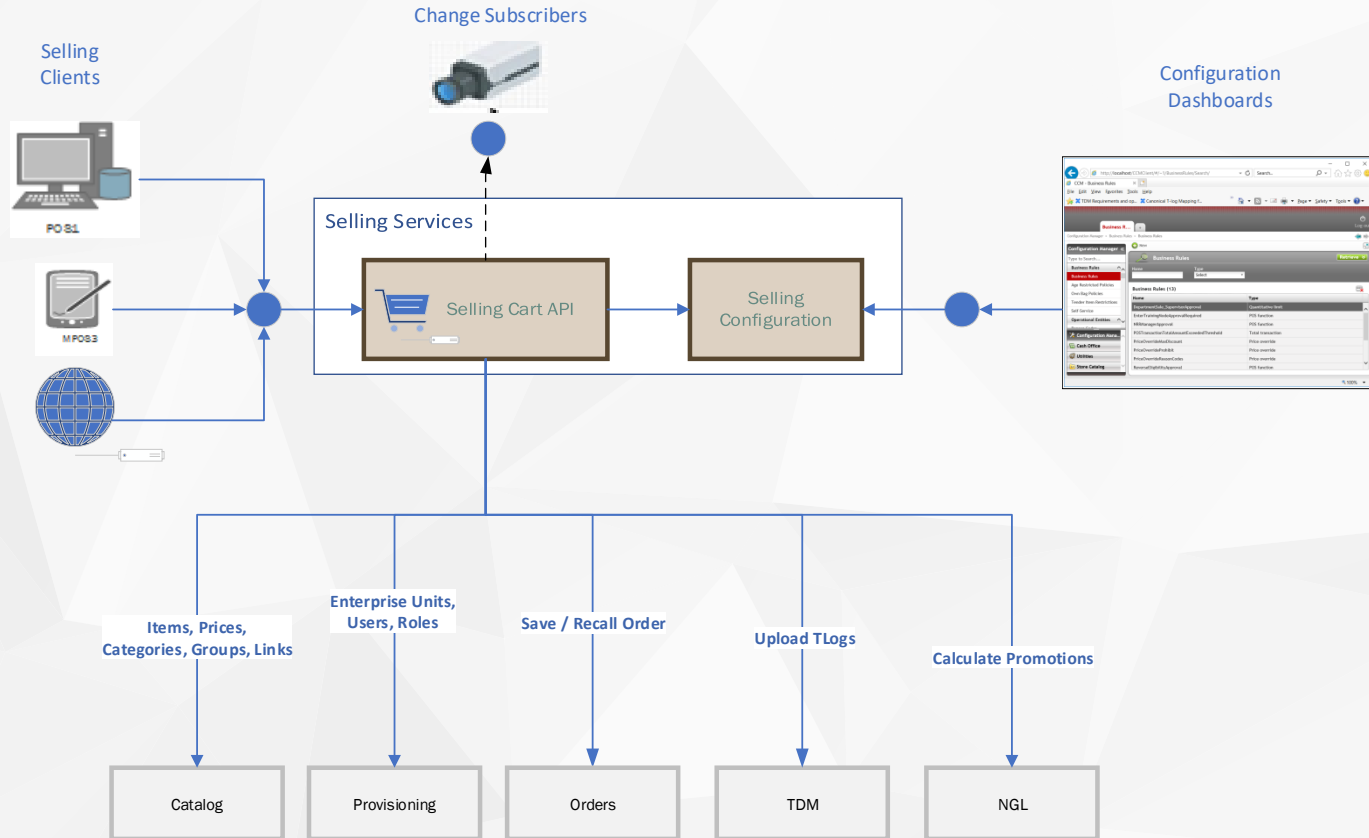
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June, 2020

# What is Selling Service?

- A Set of Micro services that enable “POS In The Cloud”
- Supports Selling Functions for Multi Tenants & Multi Stores
- Built to orchestrate other BSP Services and provide the “glue” to form a coherent back end for any selling application.
- Capabilities:
  - Manage the state of a “Shopping Cart” resource
  - Decode and validate various types of barcodes
  - Smart lookup of Item in Catalog, based on scanned / keyed data
  - Selection of the effective Item Price (by effective dates, price type etc.)
  - Calculate Tax and Promotion, by utilizing external calculation engines
  - Enforcement of selling rules and restrictions

# Selling Service at High Level



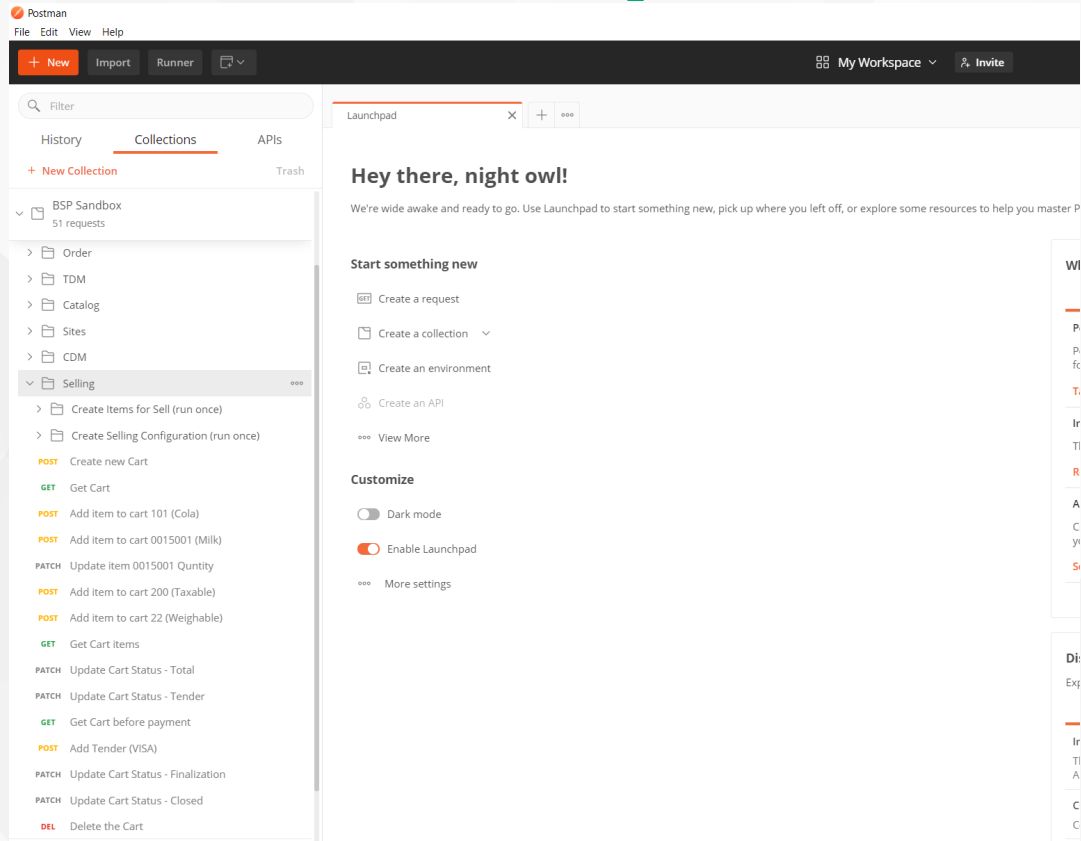
# **Selling Service quick start guide**



# Prepare environment

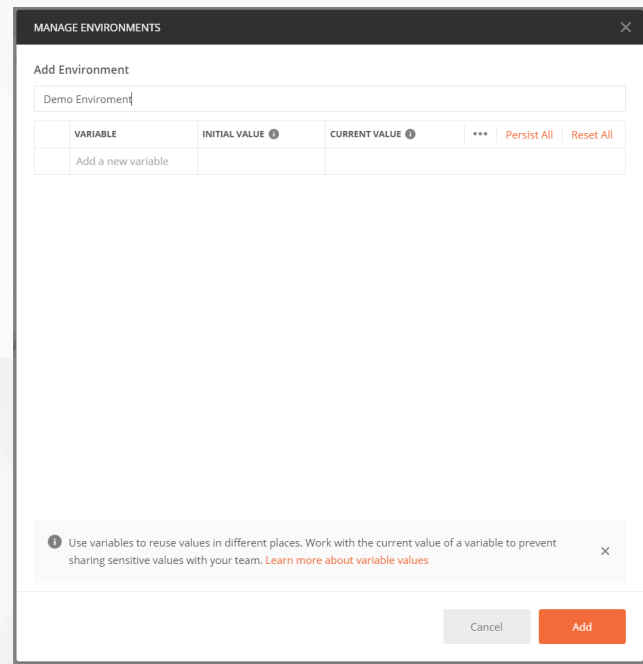
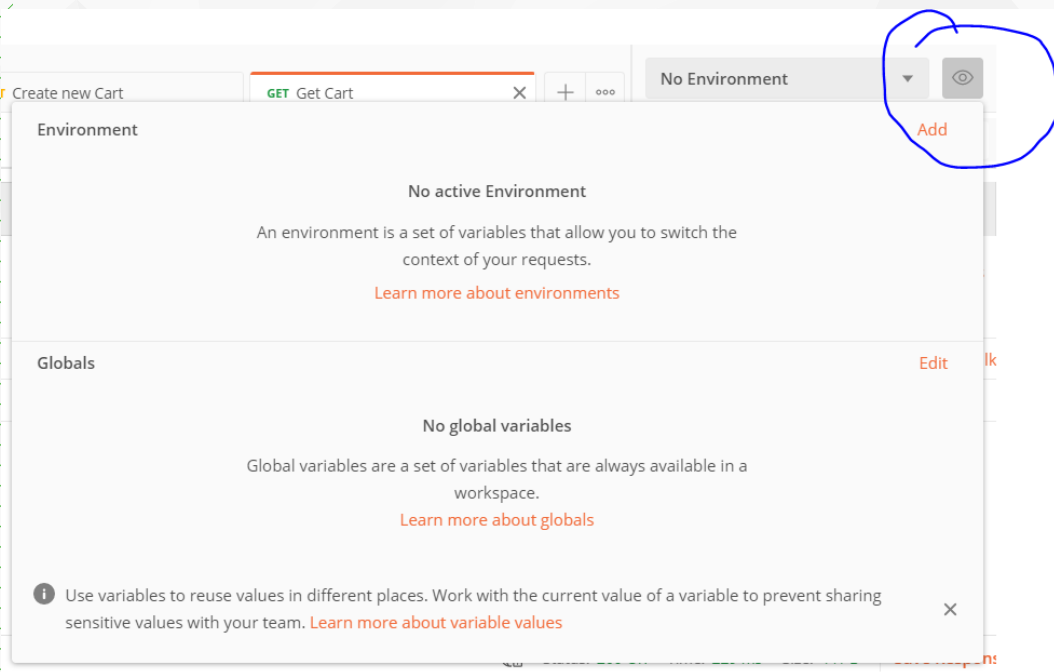
- Install Postman on your desktop.
- Go to [NCR devEx](#) site and login or signup.
- Navigate to [HACKATHON](#) in API.
- Click on “TRY IT OUT”
  - Postman collection is downloaded to your desktop “BSP Sandbox.postman\_collection.json”.
  - Open Postman and click on Import
  - Select file “BSP Sandbox.postman\_collection.json” to import.
  - New collection is added to Postman “BSP Sandbox”

# Postman after import collection



# Create Postman environment

- Create Empty environment “Demo Environment” in Postman (see below) and select it.



# Setup data for selling.

Before you can start creating carts and selling items, you need to set up some data to be used.

- Create your site (the store you sell in)
  - Run from Postman “BSP Sandbox/Sites/Create Site”, by that you create new site
- Create the items you want to sell in catalog
  - In Postman go to folder “BSP Sandbox/Selling/Create Items for Sell (run once)”
  - Run all the request in this folder, by that you create item categories , items and item price.
  - You can verify the item details by “Get Item Details” request.
- Setup a Tender to be used for payment and some Tax data
  - In Postman go to folder “BSP Sandbox/Selling/Create Selling Configuration (run once)”
  - Run all the request in this folder, by that you setup Tax and Tender definition.



# Creating and manipulating Carts

The Cart is the main object you will be interacting with selling  
The first task is Itemization – create a Cart and add Items to it:

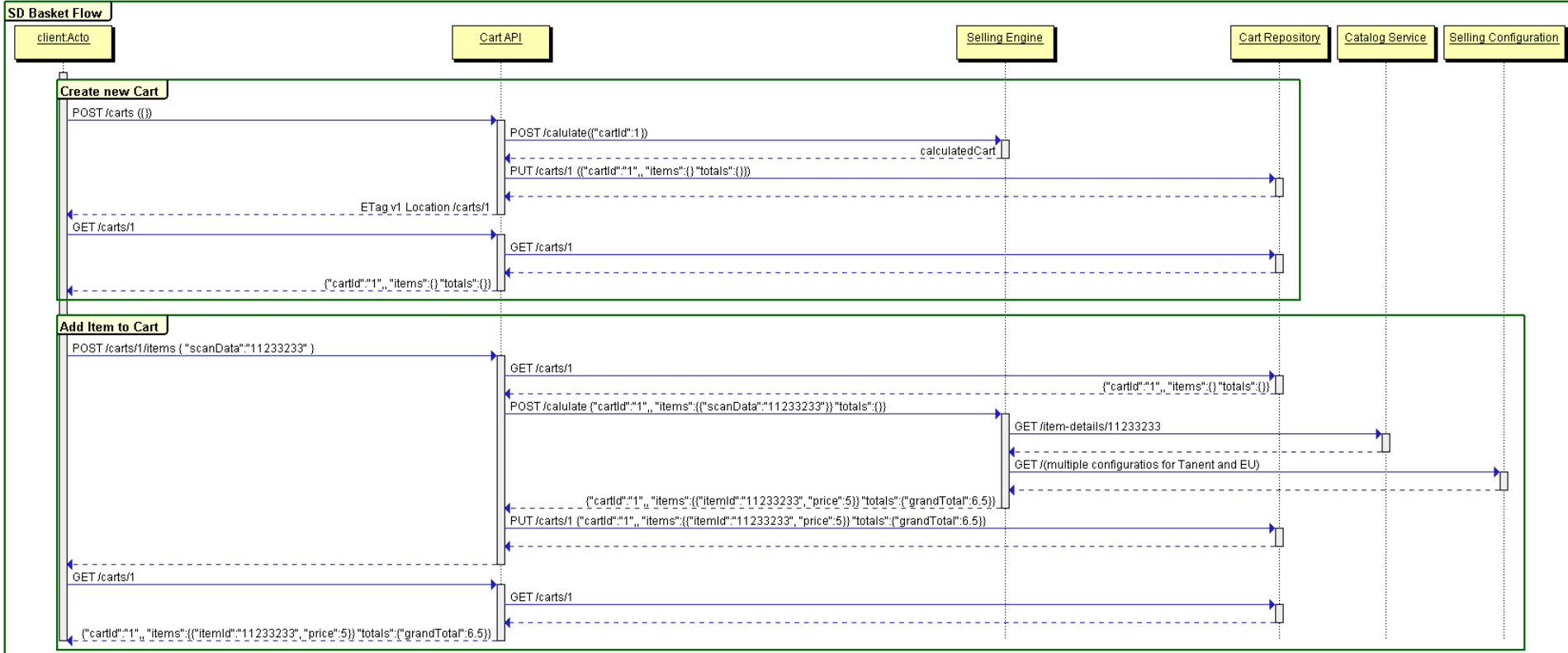
- In Postman go to folder “BSP Sandbox/Selling”
- Run all the request in this folder sequentially one by one
  - Create new Cart
  - Get Cart – returns cart header and totals
  - Add items to cart - run the requests below
    - Add item to cart 101 (Cola)
    - Add item to cart 0015001 (Milk)
    - Update item 0015001 Quantity – update item line quantity
    - Add item to cart 200 (Taxable)
    - Add item to cart 22 (Weighable)
  - Get Cart items – return all added items in cart.

# Finalizing the Cart

After you got all the items, you would proceed to checkout:

- Continue run selling request sequentially
  - Add Payment to cart - run the requests below
    - Update Cart Status – Total
    - Update Cart Status – Tender
    - Get Cart before payment
    - Add Tender (VISA)
  - Finalize Cart – run the requests below
    - Update Cart Status – Finalization
    - Update Cart Status – Closed
    - Delete the Cart

# Typical Service Flow



# **Selling Service API definition**



# Swagger Viewer

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Swagger Viewer

## API Documentation Viewer

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Download

POSTMAN

REQUIRED\*

GET

get all cart Bypass Approvals

ROLES

SELLING\_RESOURCE\_CONSUMER

REQUEST HEADERS

Name	Type	Description
nep-organization *		The organization the request applies to.
nep-correlation-id		Optional request id for tracking.

PATH PARAMETERS

Name	Type	Description
cartId	String	

QUERY PARAMETERS

Name	Type	Description
pageNumber	Integer	

cURL .NET Python Java HTTPie

Hide Example

ENDPOINT DEFINITION

GET /emerald/selling-service/v1/carts/{cartId}/bypass-approvals

REQUEST EXAMPLE

```
curl --request GET \
  --url 'https://gateway-staging.ncrcloud.com/emerald/selling-service/v1/carts/St
ring/bypass-approvals?pageNumber=40&pageSize=35' \
  --header 'nep-correlation-id: SOME_VALUE' \
  --header 'nep-organization: SOME_VALUE'
```

RESPONSE BODY

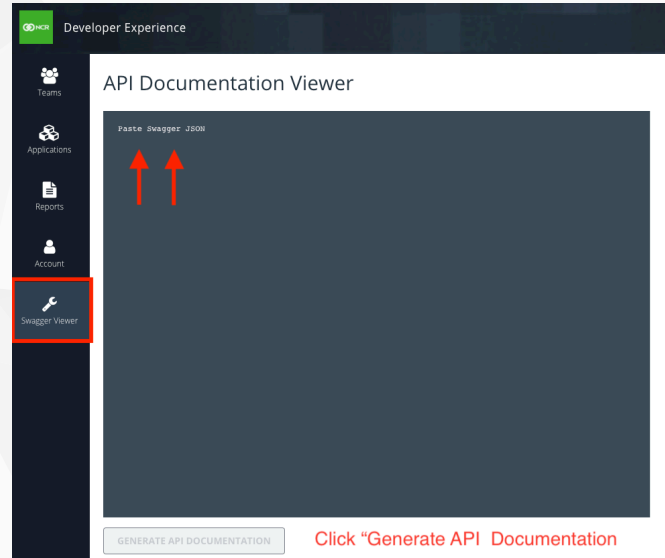
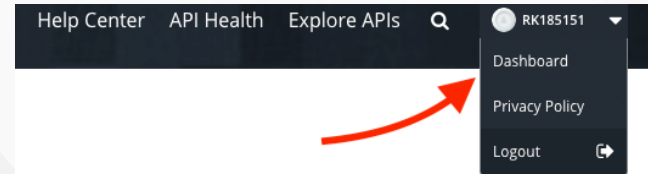
200/JSON

404/JSON cart not found

# Steps to create swagger view

- Log in to NCR devEx portal (sign up if you do not have account)
- Once logged in click on your user name
  - top right
- On the dashboard select "Swagger View"
- Paste the content of "SellingService.json"
- Click "Generate API Documentation"
- API documentation displayed

Happy Coding!



# Appendix

