

AdvEntPOS Data API



The REST API to interact with AdvEntPOS Data

The Data API provides a simple interface to pull data from a POS database of a Retail business. It can be called anytime and as many times as needed (with some restrictions) to extract data in Json format. The following section provides more detail about end points.

EndPoints

GetItemList

Request Method: *GET*URL

<https://DataServices.sypramsoftware.com/api/Item/GetItemList>

Parameters:

Type	Params	Values	Required
HEADER	ACCEPT	application/json	TRUE
HEADER	Authorization	Basic	TRUE
HEADER	UserID	string	TRUE
HEADER	Password	string	TRUE
HEADER	PIN	string	TRUE

Response:

Status	Response
200	json string
401	Authentication failure
500	Something went wrong. Please try again later.

Response:

The response string will contain the multiple item records in the following format:

```
{
  "UPC": "084704091328",
  "SKU": 50828,
  "ItemName": "KORBEL BRUT",
  "Price": 8.55,
  "Cost": 2.0,
  "SALEPRICE": 0,
  "SizeName": "750ML",
  "PackName": "Single",
  "Vintage": null,
  "Department": "WINE",
  "PriceA": 0.0,
  "PriceB": 0.0,
  "PriceC": 0.0,
  "TotalQty": -252.0,
  "ALTUPC1": "",
  "ALTUPC2": "00847040913280",
  "STORECODE": 2089
},
```

Data Elements:

UPC: The barcode of product

ALTUPC1: Second barcode of product

ALTUPC2: Third barcode of product

SKU: System generated unique number of the product

Item Name: Product description

Price: Item Price

Cost: Unit cost of the product

Sale Price: If the item is on sale, this will be the sale price per unit

Size Name: Product size

Pack Name: Product Pack such as 6PK, 12PK, 30PK, etc.

Vintage: Product vintage

Department: Product department (Beer, Wine, Liquor, etc.)

PriceA: Special price categorized as PriceA. Its use varies from business to business

PriceB: Special price categorized as PriceB. Its use varies from business to business

PriceC: Special price categorized as PriceC. Its use varies from business to business

TotalQty: Stock quantity available at the time when data is pulled

STORECODE: Unique code for each store for secondary verification

Implementation & Deployment Notes

- In order to access the data through REST API, A client will need to request the parameters from the POS vendor. This client could be the retail business owner, or the third-party vendor who may be providing the IT services to the retail business.
- Once the parameters are provided, the client will test integrate with the required application.
- Initially, the POS vendor will provide the test parameters. Once the integration process is validated, the POS vendor will provide the product parameters
- The data services are commercial services and the POS vendor may charge some fees for accessing data and thereby utilizing the bandwidth of cloud servers. Please contact your POS vendor for getting further details.
- Due to the bandwidth restrictions, one endpoint cannot be called on continuous basis. A minimum gap of 30 minutes is required between 2 subsequent API calls of the same endpoint.

SAMPLE CODE c# :

TESTING PARM :

USERNAME : MeCHHkZ9

PASSWORD : tdypsA =

PIN : lqBZghxJgaVE

```
string authInfo = username + ":" + password + ":" + Pin;
authInfo = Convert.ToBase64String(Encoding.Default.GetBytes(authInfo));

HttpWebRequest request = (HttpWebRequest)WebRequest.Create(uri);
request.Method = "GET";
request.Accept = "application/json; charset=utf-8";
request.Headers["Authorization"] = "Basic " + authInfo;

request.PreAuthenticate = true;

HttpWebResponse response = (HttpWebResponse)request.GetResponse();

var strResponse = new
StreamReader(response.GetResponseStream()).ReadToEnd();
```

Manage Item

URL : <https://dataservices.sypramsoftware.com/api/Product/ManageItem>

Method : POST

Response

Success : -200

Error : -100

Headers

```
{
  "UserId": "",
  "Password": "",
  "Pin": "",
  "Content-Type": "application/json"
}
```

Field (Body row JSON)

UPC		(varchar(30))	
ITEMNAME		(varchar(60))	
PRICE	(Optional)		(Selling Price)
COST	(Optional)		(Purchase Cost)
DEPARTMENT	(Optional)	(varchar(30))	
CATEGORY	(Optional)	(varchar(30))	
SUBCATEGORY	(Optional)	(varchar(30))	
SIZE	(Optional)	(varchar(15))	
PACK	(Optional)	(varchar(15))	
ISFOODSTAMP	(Optional)	(bit)	(1 - Allow Food Stamp / 0 - Regular Item)

ISWEIGHTED	(Optional)	(bit)	(1 - Weighted Item / 0 - Regular Item)
ISTAXABLE		(bit)	(1 - Apply Tax / 0 - Non-Taxable)
QTY	(Optional)		(Stock for Item)
REPLACEQTY			(1 - Replace Existing Stock / 0 - Update Existing Stock)
VENDORNAME	(Optional)	(varchar(30))	
VENDORCOST	(Optional)		
VENDORCODE	(Optional)	(varchar(50))	
ISNEWITEM			(1 - New Item /0 - Update Item) (bit)

JSON (Body row) Sample

```
{
  "UPC": "0123456",
  "ITEMNAME": "Maggi Masala Noodles",
  "DESCRIPTION": "Maggi Masala Noodles",
  "PRICE": "1.13",
  "COST": "0.69",
  "SIZE": "70 gm",
  "PACK": "Single",
  "QTY": "16",
  "REPLACEQTY": 1,
  "DEPARTMENT": "GROSARY",
  "CATEGORY": "SNACKS",
  "SUBCATEGORY": "NOODLE",
  "ISFOODSTAMP": 1,
  "ISWEIGHTED": 0,
  "ISTAXABLE": 1,
  "VENDORNAME": "Test Grosary",
```

```
"VENDORCODE": "T12456",  
"VENDORCOST": "0.70",  
"ISNEWITEM": 0  
}
```

Test Parameters

PIN : lqBZghxJgaVE
USER ID : MeCHHkZ9
PASSWORD : tdypsA =

Production Parameters

STORE NAME : Maharaja Farmers Market
Vendor Name : General
PIN : qzOUsBmZFgMDlwGtrgYypxUz
USER ID : IRRqlkYefuV=
PASSWORD : IRRqlkYefuV6jJ==

JQUERY FULL SAMPLE

```
var settings = {  
  "url": "https://dataservices.sypramsoftware.com/api/Product/Manageltem",  
  "method": "POST",  
  "timeout": 0,  
  "headers": {  
    "UserId": "MeCHHkZ9",  
    "Password": "tdypsA =",  
    "Pin": "lqBZghxJgaVE",  
    "Content-Type": "application/json"
```

```
},  
"data": JSON.stringify({  
    "UPC": "0123456",  
    "ITEMNAME": "Maggi Masala Noodles",  
    "DESCRIPTION": "Maggi Masala Noodles",  
    "PRICE": "1.15",  
    "COST": "0.69",  
    "SIZE": "70 gm",  
    "PACK": "Single",  
    "QTY": "10",  
    "REPLACEQTY": 1,  
    "DEPARTMENT": "GROSARY",  
    "CATEGORY": "SNACKS",  
    "SUBCATEGORY": "NOODLE",  
    "ISFOODSTAMP": 1,  
    "ISWEIGHTED": 0,  
    "ISTAXABLE": 1,  
    "VENDORNAME": "Test Grosary",  
    "VENDORCODE": "T12456",  
    "VENDORCOST": "0.70",  
    "ISNEWITEM": 0  
}),  
};  
  
$.ajax(settings).done(function (response) {  
    console.log(response);  
});
```