

Barnet POS Interface V 1.0.7



Overview

Barnet POS API uses **REST** and **JSON** API architectural style that works over HTTP

Base URI

<http://barnetnetwork.com/api/>

Authentication

Basic HTTP authentication with provided API KEY and API PASS:

```
Authorization: Basic BASE64(API_KEY:API_PASS)
```

Example:

```
Api key: e0a22eef523d4158  
Api pass: 8764255b7132bac5
```

```
Authorization: Basic ZTBhMjJlZWY1MjNkNDE1ODo4NzY0MjU1YjcxczMzJiYWw1
```

Data Types

Simple types

Type	Description
STRING	UTF-8 character string
INTEGER	Int64
DATETIME	Date and time string in format YYYY-MM-DDTHH:MM:SS.ZZZZZZ (e.g. 2013-09-13T00:10:03.869000)
NUMERIC	Numeric string (e.g. "12.0000")
BOOLEAN	Boolean value (e.g. true, false)

Enums

enum<ORDER_STATUS>

Value	Description
-3	Deleted order
-2	Invalid order
-1	Canceled order
0	New order
1	Paid order

enum<PAYMENT_SOURCE>

Value	Description
V	Visa
M	MasterCard
AX	AMEX
DC	Loyalty Card

enum<RESPONSE_STATUS>

Value	Description
ok	No error occurred
error	Error

API Methods

- ✓ shop/orders
- ✓ store/products
- ✓ store/stat

1. shop/orders

- Paid orders list for Sync process
- HTTP Method: GET

Parameters

Name	Type	Description
date	DATETIME	The last synced order date/time

Response object

Field	Type	Description
orders	array<ORDER>	The list of Paid orders since the last synced date/time
customers	array<CUSTOMER>	CUSTOMER objects
products	array<PRODUCT>	PRODUCT objects

ORDER object

Field	Type	Description
id	INTEGER	Unique Order ID
number	STRING	Order number
status	enum<ORDER_STATUS>	1

Field	Type	Description
created	DATETIME	Order Date/time
paid	DATETIME	Payment Date/Time
customer	INTEGER	Unique Customer ID
paid_with	enum<PAYMENT_SOURCE>	Paid with
f4l4	STRING	Card F4L4 number (e.g. 1234***3615) (Optional)
delivery	NUMERIC	Delivery cost
address1	STRING	Delivery address line 1
address2	STRING	Delivery address line 2
city	STRING	Delivery city
state	STRING	Delivery province (e.g. BC, ON, etc)
postal_code	STRING	Delivery postal code
country	STRING	Delivery country
first_name	STRING	Customer first name
last_name	STRING	Customer last name
phone	STRING	Customer phone
email	STRING	Customer email
items	array<ORDER_ITEM>	Array of order items

ORDER_ITEM object

Field	Type	Description
cspcid	STRING	Product SKU number
price	NUMERIC	Item price
deposit_price	NUMERIC	Item deposit price
qty	NUMERIC	Quantity

CUSTOMER object

Field	Type	Description
id	INTEGER	Customer ID
customer_number	STRING	Customer number
first_name	STRING	Customer first name
last_name	STRING	Customer last name
email	STRING	Customer email
phone	STRING	Customer phone
address1	STRING	Customer address line 1
address2	STRING	Customer address line 2
city	STRING	Customer city
state	STRING	Customer province
postal_code	STRING	Customer postal code
country	STRING	Customer country

PRODUCT object

Field	Type	Description
cspcid	STRING	Product SKU number
pid	STRING	Product barcode
description	STRING	Product name
base_cost	NUMERIC	Product base cost
price	NUMERIC	Product price
unit_name	STRING	Product unit

Example

GET /api/shop/orders?date=2013-09-13T00:10:03.869000

Response:

```
{
  "customers": [
    {
      "id": 17,
      "customer_number": 6048883333,
      "first_name": "John",
      "last_name": "Doe",

```

```

        "address1": "160th street",
        "address2": "",
        "postal_code": "V1S 0A7",
        "city": "Surrey",
        "state": "BC",
        "country": "Canada",
        "email": "johndoe@gexample.com"
        "phone": "123-433-5434",
    }
],
"products": [
    {
        "cspcid": "129130",
        "pid": "129130129130",
        "description": "SHIRAZ CABERNET - DE BORTOLI DB",
        "price": "11.99",
        "base_cost": "10.00",
        "unit_name": "0.75"
    },
    {
        "cspcid": "952580",
        "pid": "952580952580",
        "description": "TRAMINER RIESLING - DE BORTOLI DB",
        "price": "11.99",
        "base_cost": "10.00",
        "unit_name": "0.75"
    },
    {
        "cspcid": "737148",
        "pid": "737148737148",
        "description": "PAYS D`OC GRENACHE SYRAH - LONGUE DOG",
        "price": "12.99",
        "base_cost": "11.00",
        "unit_name": "0.75"
    }
],
"orders": [
    {
        "status": 1,
        "customer": 17,
        "first_name": "John",
        "last_name": "Doe",
        "address2": "",
        "created": "2013-09-14T00:27:03.869000",
        "address1": "2411-160th street",
        "f414": "4242***4242",
        "number": "1309140027-0001-00149",
        "paid": "2013-09-14T00:27:42.390000",
        "email": "johndoe@gmail.com",
        "delivery": "0.0000",
        "phone": "123-433-5434",
        "state": "BC",
        "city": "Surrey",
        "items": [
            {
                "deposit_price": "0.1000",
                "price": "11.9900",
                "cspcid": "129130",
                "qty": 1
            },
            {
                "deposit_price": "0.1000",
                "price": "11.9900",
                "cspcid": "952580",
            }
        ]
    }
]

```

```

    "qty": 2
  },
  {
    "deposit_price": "0.1000",
    "price": "12.9900",
    "cspcid": "737148",
    "qty": 1
  }
],
"postal_code": "V1S 0A7",
"paid_with": "V",
"id": 149
}
]
}

```

2. store/products

- Product list export
- HTTP Method: PUT

Parameters

- PRODUCT objects

PRODUCT object

Field	Type	Description
cspcid	STRING	Product SKU
pid	STRING	Product barcode
description	STRING	Product description
unit_name	STRING	Size name
base_cost	NUMERIC	Product base cost
price	NUMERIC	Product selling price
deposit_price	NUMERIC	Product deposit price
on_hand	NUMERIC	Product availability (on hand)
last_received	DATETIME	Last receiving invoice date (Optional)
web_category	STRING	Category(department) name
varietal	STRING	Varietal
status	STRING	Product status (X - spec, S, etc) (Optional) ?
show_on_web	BOOLEAN	Tells if the item should be shown on the e-commerce ?

Field	Type	Description
wine_name	STRING	Wine name
staff_picks	BOOLEAN	Staff picks flag
more_info	STRING	Product details

Response object

Field	Type	Description
status	enum<RESPONSE_STATUS>	Response status

Example

PUT /api/store/products

```
[
  {
    "cspcid": "952580",
    "pid": "952580952580",
    "description": "TRAMINER RIESLING - DE BORTOLI DB",
    "unit_name": "750 ml",
    "base_cost": "10.00",
    "price": "11.99",
    "deposit_price": "0.10",
    "on_hand": "100",
    "last_received": "2013-09-14T00:27:42.390000",
    "web_category": "Wine",
    "varietal": "",
    "status": "",
    "show_on_web": true,
    "wine_name": "TRAMINER RIESLING - DE BORTOLI DB",
    "staff_picks": false,
    "more_info": null
  },
  {
    "cspcid": "737148",
    "pid": "737148737148",
    "description": "PAYS D`OC GRENACHE SYRAH - LONGUE DOG",
    "unit_name": "750 ml",
    "price": "12.99",
    "base_cost": "11.00",
    "deposit_price": "0.10",
    "on_hand": "100",
    "last_received": "2013-09-14T00:27:42.390000",
    "web_category": "Wine",
    "varietal": "",
    "status": "",
    "show_on_web": true,
    "wine_name": "PAYS D`OC GRENACHE SYRAH - LONGUE DOG",
    "staff_picks": false,
    "more_info": null
  }
]
```

Response:


```
{
  "status": "ok"
}
```

3. store/stat

- Product statistics and availability export
- HTTP Method: PUT

Parameters

Function expects an array of PRODUCT_STAT object ?

PRODUCT_STAT object

Field	Type	Description
cspcid	STRING	Product SKU
sales1	NUMERIC	Last week sales
sales2	NUMERIC	Previous week sales
sales3	NUMERIC	Second week sales
sales4	NUMERIC	Third week Sales
sales5	NUMERIC	Fourth week Sales
sales6	NUMERIC	Fifth week Sales
last_sale	DATETIME	Sixth week sales
last_received	DATETIME	Product Last receiving invoice date/time
on_hand	NUMERIC	Product availability(on hand)
price	NUMERIC	Product price
base_cost	NUMERIC	Product base cost

Response object

Field	Type	Description
status	enum<RESPONSE_STATUS>	Response status

Example

PUT /api/store/stat

```
[
  {
```

```
    "cspcid": "952580",
    "sales1": "12.00",
    "sales2": "5.00",
    "sales3": "13.00",
    "sales4": "1.00",
    "sales5": "0.00",
    "sales6": "10.00",
    "last_sale": "2013-09-14T00:27:42.390000",
    "last_received": "2013-09-14T00:27:42.390000",
    "on_hand": "20.00",
    "price": "12.99",
    "base_cost": "10.00"
  },
  {
    "cspcid": "737148",
    "sales1": "12.00",
    "sales2": "5.00",
    "sales3": "13.00",
    "sales4": "1.00",
    "sales5": "0.00",
    "sales6": "10.00",
    "last_sale": "2013-09-14T00:27:42.390000",
    "last_received": "2013-09-14T00:27:42.390000",
    "on_hand": "20.00",
    "price": "12.99",
    "base_cost": "10.00"
  }
]
```

Response

```
{
  "status": "ok"
}
```