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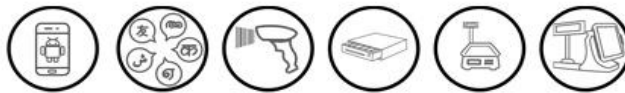
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Presenting



Accrypt NexEra



REST API Guide

For Online Ecommerce & App Integration

Version 1.0.1

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INTRODUCING THE ACCRYPT NEXERA REST API

OBJECTIVE

This document is a guide to build REST API which supports Accrypt Nexera's requests and responses. This system will ease your dual data entry of the products and orders. So, Basic item details, price, stocks are automatically synchronised from the Accrypt Nexera to the ecommerce or App via REST API

THINGS TO REMEMBER

POSANDSOFT or DCSInfoway will not guarantee 100% up to date synchronisation. Accrypt Nexera will just provide a feature to synchronise the basic details to the ecommerce with different time interval which can be set by the client. But we recommend to do synchronisation in 15 minutes time interval or by manual synchronisation. This Automatic synchronisation will be worked only if the software is running with internet connection.

ECOMMERCE OR APP

Ecommerce or App should be developed and controlled by the corresponding team itself. All features and data in the Accrypt software will not be pushed. This will work as only an online order taking portal to fulfil the online presence of the business. Ecommerce should have its own database and it may have different structure of Accrypt

PRICING

This REST API will only work for limited no of transaction as a demo. For the unlimited transactions, customer should do an additional payment via dealers. All additional requirements and alterations are subject to charges by corresponding POSANDSOFT OR DCSINFOWAY.

REST API

The Ecommerce or App Developing team should develop a REST API platform that accepts the JSON structure provided in this document. Accrypt Nexera is already build to suit with the Json Structure and we will not alter it. Accrypt Nexera needs the response as specified and extra response will be ignored. Company has the right to update the JSON Structure time to time and will be informed with different version of Guide



REQUIREMENTS AND LIMITATIONS

REQUIREMENTS

To use the JSON of the REST API you may develop the API over either HTTP or HTTPS, but HTTPS is recommended where possible.

FORMAT:-

<URL>/<REQUESTKEY>CONSUMER_KEY=<KEY>
&CONSUMER_SECRET=<SECERTKEY>

URL	Url of your Rest Api
REQUESTKEY	Key to identify the request type
KEY	A user key with minimum of 8 alphanumeric characters
SECERTKEY	A key with minimum of 15 alphanumeric characters

REQUEST/RESPONSE FORMAT

The default response format is JSON. Requests with a message-body use plain JSON and it should set or update resource attributes. Successful requests should return a 200 OK HTTP status.

Some general information about responses:

- Dates should return in ISO8601 format: YYYY-MM-DDTHH:MM:SS
- Resource IDs should return as integers.
- Any decimal monetary amount, such as prices or totals, should return as strings with two decimal places.
- Other amounts, such as item counts, should return as integers.
- Blank fields are generally included as null or empty string instead of being omitted.
- Use Postman tool and test the Rest API with json example provided in this document

PRODUCT CATEGORIES

CREATE A PRODUCT CATEGORY

This API helps to create a new product category.

Attribute	Type	Description
Id	integer	Unique identifier for the resource. READ-ONLY
Name	string	Category name. MANDATORY
Slug	string	An alphanumeric identifier for the resource unique to its type.
parent	integer	The ID for the parent of the resource.
description	string	HTML description of the resource.
display	string	Category archive display type. Options: default, products, subcategories and both. We always push default.
menu_order	integer	Menu order, used to custom sort the resource. Default will be zero from Accrypt
Count	integer	Number of published products for the resource. . Default will be zero from Accrypt

HTTPS REQUEST

POST

<URL>/ **PRODUCTS/CATEGORIES**?CONSUMER_KEY=<KEY>
&CONSUMER_SECRET=<SECERTKEY>

<REQUESTKEY> = products/categories



EXAMPLE

url/products/categories?CONSUMER_KEY=CK_1DE94B4C0E92CD744BEA65810B0801519CC3423E&CONSUMER_SECRET=CS_76F0974E60DF72EA5742F9EE827220313BE04668

JSON REQUEST EXAMPLE:

```
[{"id":0,"name":"AFTER WASH","slug":"AFTER WASH","parent":0,"description":"AFTER WASH","display":"default","menu_order":0,"count":0}]
```

JSON RESPONSE EXAMPLE:

```
"{"id":187}"
```

PRODUCT TAGS/MANUFACTURER

CREATE A MANUFACTURER

This API helps to create a new product tag.

Attribute	Type	Description
Id	integer	Unique identifier for the resource. READ-ONLY
Name	string	Tag name. MANDATORY
Slug	string	An alphanumeric identifier for the resource unique to its type.
description	string	HTML description of the resource.
Count	integer	Number of published products for the resource. READ-ONLY

HTTPS REQUEST & EXAMPLE

POST

{url/**products/tags**?consumer_key=ck_f0a494988c345450b7f3ae937fb0d16688a331e0&consumer_secret=cs_9e7c3c1e4522bb060416ace38d20e78eb80f1143}

JSON REQUEST EXAMPLE:

```
[{"id":0,"name":"A ONE","slug":"A ONE","description":null,"count":0}]
```

JSON RESPONSE EXAMPLE:

```
{"id":188}
```

PRODUCTS

The products API allows you to create, view, update,

Attribute	Type	Description
id	integer	Unique identifier for the resource. READ-ONLY
name	string	Product name.
slug	string	Product slug.
permalink	string	Product URL. READ-ONLY
date_created	date-time	The date the product was created, in the site's timezone. READ-ONLY
date_created_gmt	date-time	The date the product was created, as GMT. READ-ONLY
date_modified	date-time	The date the product was last modified, in the site's timezone. READ-ONLY
date_modified_gmt	date-time	The date the product was last modified, as GMT. READ-ONLY
type	string	Product type. Options: simple, grouped, external and variable. Default is simple.
status	string	Product status (post status). Options: draft, pending, private and publish. Default is publish.
featured	boolean	Featured product. Default is false.
catalog_visibility	string	Catalog visibility. Options: visible, catalog, search and hidden. Default is visible.
description	string	Product description.

Attribute	Type	Description
short_description	string	Product short description.
sku	string	Unique identifier.
price	string	Current product price. READ-ONLY
regular_price	string	Product regular price.
sale_price	string	Product sale price.
date_on_sale_from	date-time	Start date of sale price, in the site's timezone.
date_on_sale_from_gmt	date-time	Start date of sale price, as GMT.
date_on_sale_to	date-time	End date of sale price, in the site's timezone.
date_on_sale_to_gmt	date-time	End date of sale price, as GMT.
price_html	string	Price formatted in HTML. READ-ONLY
on_sale	boolean	Shows if the product is on sale. READ-ONLY
purchasable	boolean	Shows if the product can be bought. READ-ONLY
total_sales	integer	Amount of sales. READ-ONLY
virtual	boolean	If the product is virtual. Default is false.
downloadable	boolean	If the product is downloadable. Default is false.
downloads	array	List of downloadable files.

Attribute	Type	Description
download_limit	integer	Number of times downloadable files can be downloaded after purchase. Default is -1.
download_expiry	integer	Number of days until access to downloadable files expires. Default is -1.
external_url	string	Product external URL. Only for external products.
button_text	string	Product external button text. Only for external products.
tax_status	string	Tax status. Options: taxable, shipping and none. Default is taxable.
tax_class	string	Tax class.
manage_stock	boolean	Stock management at product level. Default is false.
stock_quantity	integer	Stock quantity.
stock_status	string	Controls the stock status of the product. Options: instock, outofstock, onbackorder. Default is instock.
backorders	string	If managing stock, this controls if backorders are allowed. Options: no, notify and yes. Default is no.
backorders_allowed	boolean	Shows if backorders are allowed. READ-ONLY
backordered	boolean	Shows if the product is on backordered. READ-ONLY
sold_individually	boolean	Allow one item to be bought in a single order. Default is false.
weight	string	Product weight.
dimensions	object	Product dimensions.
shipping_required	boolean	Shows if the product need to be shipped. READ-ONLY

Attribute	Type	Description
shipping_taxable	boolean	Shows whether or not the product shipping is taxable. READ-ONLY
shipping_class	string	Shipping class slug.
shipping_class_id	integer	Shipping class ID. READ-ONLY
reviews_allowed	boolean	Allow reviews. Default is true.
average_rating	string	Reviews average rating. READ-ONLY
rating_count	integer	Amount of reviews that the product have. READ-ONLY
related_ids	array	List of related products IDs. READ-ONLY
upsell_ids	array	List of up-sell products IDs.
cross_sell_ids	array	List of cross-sell products IDs.
parent_id	integer	Product parent ID.
purchase_note	string	Optional note to send the customer after purchase.
categories	array	List of categories.
tags	array	List of tags.
images	array	List of images.
attributes	array	List of attributes.
default_attributes	array	Defaults variation attributes
variations	array	List of variations IDs. READ-ONLY

Attribute	Type	Description
grouped_products	array	List of grouped products ID.
menu_order	integer	Menu order, used to custom sort products.
meta_data	array	Meta daata
Attribute	Type	Description
id	integer	Unique identifier for the resource. READ-ONLY
name	string	Product name.

CREATE A PRODUCT

This API helps you to create a new product.

HTTP REQUEST

POST

url/**products**?consumer_key=ck_f0a494988c345450b7f3ae937fb0d16688a331e0&consumer_secret=cs_9e7c3c1e4522bb060416ace38d20e78eb80f1143

EXAMPLE OF HOW TO CREATE A VARIABLE PRODUCT WITH GLOBAL AND NON-GLOBAL ATTRIBUTES:

```
{
  "categories": [{
    "id": 119
  }],
  "tags": [{
```

```

        "id": 154

    },
    "attributes": [],
    "id": 0,
    "name": "ItemCode",
    "slug": "Itemname",
    "date_created": "2020-07-27T00:00:01",
    "date_created_gmt": "2020-07-27T00:00:01",
    "date_modified": "2020-07-27T00:00:01",
    "date_modified_gmt": "2020-07-27T00:00:01",
    "type": null,
    "status": "publish",
    "featured": false,
    "catalog_visibility": "visible",
    "description": null,
    "short_description": "",
    "sku": "2934",
    "regular_price": "0",
    "sale_price": "0"

}
    
```

JSON RESPONSE

```
{
```

```
"id": 3713,

"name": "ItemCode",

"slug": "Itemname"

}
```

Note:- Use the keys as you need. Neglect all others

UPDATE STOCK

ID is unique ID

```
{

  "update": [{

    "id": 1141,

    "regular_price": "155",

    "sale_price": "153",

    "stock_quantity": 0.0

  }, {

    "id": 1141,

    "regular_price": "155",

    "sale_price": "153",

    "stock_quantity": 11.0

  }]

}
```

No response required

ORDERS

The orders API allows you to view,

Attribute	Type	Description
id	Integer	Unique identifier for the resource. READ-ONLY
parent_id	Integer	Parent order ID.
number	String	Order number. READ-ONLY
order_key	String	Order key. READ-ONLY
created_via	String	Shows where the order was created. READ-ONLY
version	String	Version of which last updated the order. READ-ONLY
status	String	Order status. Options: pending, processing, on-hold, completed, cancelled, refunded, failed and trash. Default is pending.
currency	string	Currency the order was created with, in ISO format. Options: AED, AFN, ALL, AMD, ANG, AOA, ARS, AUD, AWG, AZN, BAM, BBD, BDT, BGN, BHD, BIF, BMD, BND, BOB, BRL, BSD, BTC, BTN, BWP, BYR, BZD, CAD, CDF, CHF, CLP, CNY, COP, CRC, CUC, CUP, CVE, CZK, DJF, DKK, DOP, DZD, EGP, ERN, ETB, EUR, FJD, FKP, GBP, GEL, GGP, GHS, GIP, GMD, GN

Attribute	Type	Description
		F, GTQ, GYD, HKD, HNL, HRK, HTG, HUF, IDR, ILS, IMP, INR, IQD, IRR, IRT, ISK, JEP, JMD, JOD, JPY, KES, KGS, KHR, KMF, KPW, KRW, KWD, KYD, KZT, LAK, LBP, LKR, LRD, LSL, LYD, MAD, MDL, MGA, MKD, MMK, MNT, MOP, MRO, MUR, MVR, MWK, MXN, MYR, MZN, NAD, NGN, NIO, NOK, NPR, NZD, OMR, PAB, PEN, PGK, PHP, PKR, PLN, PRB, PYG, QAR, RON, RSD, RUB, RWF, SAR, SBD, SCR, SDG, SEK, SGD, SHP, SLL, SOS, SRD, SSP, STD, SYP, SZL, THB, TJS, TMT, TND, TOP, TRY, TTD, TWD, TZS, UAH, UGX, USD, UYU, UZS, VEF, VND, VUV, WST, XAF, XCD, XOF, XPF, YER, ZAR and ZMW. Default is USD.
date_created	date-time	The date the order was created, in the site's timezone. READ-ONLY
date_created_gmt	date-time	The date the order was created, as GMT. READ-ONLY
date_modified	date-time	The date the order was last modified, in the site's timezone. READ-ONLY
date_modified_gmt	date-time	The date the order was last modified, as GMT. READ-ONLY
discount_total	String	Total discount amount for the order. READ-ONLY
discount_tax	String	Total discount tax amount for the order. READ-ONLY
shipping_total	String	Total shipping amount for the order. READ-ONLY
shipping_tax	String	Total shipping tax amount for the order. READ-ONLY
cart_tax	String	Sum of line item taxes only. READ-ONLY
total	String	Grand total. READ-ONLY
total_tax	String	Sum of all taxes. READ-ONLY

Attribute	Type	Description
prices_include_tax	Boolean	True the prices included tax during checkout. READ-ONLY
customer_id	Integer	User ID who owns the order. 0 for guests. Default is 0.
customer_ip_address	String	Customer's IP address. READ-ONLY
customer_user_agent	String	User agent of the customer. READ-ONLY
customer_note	String	Note left by customer during checkout.
billing	Object	Billing address.
shipping	Object	Shipping address.
payment_method	String	Payment method ID.
payment_method_title	String	Payment method title.
transaction_id	String	Unique transaction ID.
date_paid	date-time	The date the order was paid, in the site's timezone. READ-ONLY
date_paid_gmt	date-time	The date the order was paid, as GMT. READ-ONLY
date_completed	date-time	The date the order was completed, in the site's timezone. READ-ONLY
date_completed_gmt	date-time	The date the order was completed, as GMT. READ-ONLY

Attribute	Type	Description
cart_hash	String	MD5 hash of cart items to ensure orders are not modified. READ-ONLY

RETRIEVE AN ORDER

This API lets you retrieve and view a specific order.

HTTP REQUEST

GET

Single order

url/**orders/<id>**?consumer_key=ck_f0a494988c345450b7f3ae937fb0d16688a331e0
&consumer_secret=cs_9e7c3c1e4522bb060416ace38d20e78eb80f1143

Bulk order

url/**orders?after=2020-07-27T00:00:01&status=processing,pending,on-**
hold&per_page=100&page=1?consumer_key=ck_f0a494988c345450b7f3ae937fb0d
16688a331e0&consumer_secret=cs_9e7c3c1e4522bb060416ace38d20e78eb80f1143

JSON RESPONSE EXAMPLE:

```
{
  "id": 727,
  "parent_id": 0,
  "number": "727",
  "order_key": "wc_order_58d2d042d1d",
  "created_via": "REST-api",
```

```
"version": "3.0.0",  
  
"status": "processing",  
  
"date_created": "2017-03-22T16:28:02",  
"date_created_gmt": "2017-03-22T19:28:02",  
"date_modified": "2017-03-22T16:28:08",  
"date_modified_gmt": "2017-03-22T19:28:08",  
"discount_total": "0.00",  
"shipping_total": "10.00",  
"total": "29.35",  
"prices_include_tax": false,  
"customer_id": 0,  
  
"customer_note": "",  
"billing": {  
    "first_name": "John",  
    "last_name": "Doe",  
    "company": "",  
    "address_1": "969 Market",  
    "address_2": "",  
    "city": "San Francisco",  
    "state": "CA",  
    "postcode": "94103",
```

```
"country": "US",  
  
"email": "john.doe@example.com",  
  
"phone": "(555) 555-5555"  
  
},  
  
"shipping": {  
  
    "first_name": "John",  
  
    "last_name": "Doe",  
  
    "company": "",  
  
    "address_1": "969 Market",  
  
    "address_2": "",  
  
    "city": "San Francisco",  
  
    "state": "CA",  
  
    "postcode": "94103",  
  
    "country": "US"  
  
},  
  
"payment_method": "bacs",  
  
"payment_method_title": "Direct Bank Transfer",  
  
"transaction_id": "",  
  
"date_paid": "2017-03-22T16:28:08",  
  
"date_paid_gmt": "2017-03-22T19:28:08",  
  
"date_completed": null,  
  
"date_completed_gmt": null,
```

```
"line_items": [{
    "id": 315,
    "name": "Woo Single #1",
    "product_id": 93,
    "variation_id": 0,
    "quantity": 2,
    "subtotal": "6.00",
    "total": "6.00",

    "meta_data": [],
    "sku": "",
    "price": 3
},
{
    "id": 316,
    "name": "Ship Your Idea &ndash; Color: Black, Size: M Test",
    "product_id": 22,
    "variation_id": 23,
    "quantity": 1,

    "subtotal": "12.00",
```

```
"total": "12.00",

"meta_data": [{
    "id": 2095,
    "key": "pa_color",
    "value": "black"
},
{
    "id": 2096,
    "key": "size",
    "value": "M Test"
}
],
"sku": "Bar3",
"price": 12
}
```

```
"shipping_lines": [{
    "id": 317,
    "method_title": "Flat Rate",
    "method_id": "flat_rate",
```

```
        "total": "10.00",  
        "total_tax": "0.00",  
        "taxes": [],  
        "meta_data": []  
    },  
    "fee_lines": [],  
    "coupon_lines": []  
}
```