COASTER FINE FURNITURE

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# Coaster API User  Guide

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### Introduction
The Coaster API is a set of web services providing Coaster's business customers with access to Coaster product catalog, live inventory, and pricing data in a format that can be readily integrated into customer backend database and e-commerce systems.

### Accessing the API
The API follows the RESTful design, and can be invoked via standard HTTP requests.
- For testing/demo, Coaster API resides at http://demo.api.coastercenter.com
- For production, Coaster API resides at http://api.coasteramer.com.

Each API request must include an API key, sent in a header field named "keyCode". This API key is provided to you by Coaster.  Please keep this key confidential.

The API supports XML or JSON.  You can specify your preferred output format using the HTTP Accept header.

### API Methods
API methods, parameters, and return value information are provided in the Help section on the site and will not be covered here.

Note that fields that are NULL may not be included in the returned records.  Clients should assume that any field can have NULL value and handle them accordingly.

### Product Images
Product images are hosted on Coaster's web server and can be linked to directly.  Each product may have multiple images, indicated in the field *NumImages* or *NumNextGenImages*.  The field *PictureFullURLs* has the URL's for all images, separated by comma.  The images are hosted at the following URL:
https://pictures.coastercenter.com/items/

#### *Image Resolutions*

Coaster also provides preset images for some common resolutions, available at the following URL's.
Possible values for image-width-in-pixels are: 500, 900, 1600 and HD.  In API, we return the default 900 pixel URL's.  The URL image format is *https://pictures.coasteramer.com/items/{item#}/{item#_type}x{width}.jpg*

Using the example of item# 1234, the value of field *PictureFullURLs* is below.  It has 2 URL's, that indicates the item has 2 images/pictures.

```
"NumNextGenImages": 2,
"ListNextGenImages": "/1234/1234_01,/1234/1234_02",
"PictureFullURLs": "https://pictures.coastercenter.com/items/1234/1234_01x900.jpg,https://pictures.coastercenter.com/items/1234/1234_02x900.jpg",
```

https://pictures.coastercenter.com/items/1234/1234_01x900.jpg,https://pictures.coastercenter.com/items/1234/1234_02x900.jpg

- https://pictures.coastercenter.com/items/1234/1234_01x500.jpg (picture 500pixel)
- https://pictures.coastercenter.com/items/1234/1234_01x900.jpg (picture 900pixel - default size)
- https://pictures.coastercenter.com/items/1234/1234_01.jpg (picture 1600pixel when no width is defined)
- https://pictures.coastercenter.com/items/1234/1234_01xHD.jpg (picture in high-resolution, the original picture in size)

**Product Inventory & Prices**

For a dealer to purchase from Coaster, it must have an account with Coaster and a Customer Number. The Customer Number must be associated with your buying group before you can obtain inventory and price information for that dealer. The GetCustomerList method returns all dealers associated with your buying group.

If one of your customers does not show up in the list, please let us know so that we can associate that dealer with your buying group.

The GetCustomerList method also returns a list of Ship-To addresses for each dealer, corresponding to its stores. Each Ship-To record includes a *WarehouseCode* that is used to lookup inventory, a *PriceCode* used to lookup prices, and a *PriceExceptionCode* used to lookup price exceptions. In other words, inventory and price vary by store.

**Order**

Dealer can submit an order using the **SubmitApiOrder** method.

**Recommended Usage Pattern**

Based on the frequency of change in the data, Coaster recommends the following usage pattern for these methods:

*GetProductList*

Clients should call GetProductList no more than once per day, after midnight.

*GetProductDimensions*

Call to get the product box dimension, weight, cubic and sizes.

*GetCategoryList, GetCollectionList, GetStyleList, GetGroupList*

Clients should call these methods together with GetProductList.

*GetInventoryList*

Clients should call GetInventoryList no more than once every 15 minutes.

*GetPriceList & GetPriceExceptionList*

Clients should call GetPriceList & GetPriceExceptionList no more than once per day, after midnight.

**Feedback & Support**

Coaster welcomes your feedback to improve the API to better serve your needs. Please send your suggestions and support questions to bpm@coasteramer.com.

# Examples

In the following screenshots, we make various API calls using a REST testing tool called **Advanced Rest Client** or **Postman**.

## Get entire products

Advanced Rest Client Applic... ×

chrome-extension://hgmloofddffdnphfgcellkdfbfbjeloo/RestClient.html

Apps  EB-5  Business  Dev  Hobby  Work

Advanced Rest Client

[Unnamed]

Save  Open

http://api.coasteramer.com/api/Product/GetProductList

Request
Socket
Projects
Saved
History
Settings
About

Rate this application ♥
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● GET ○ POST ○ PUT ○ PATCH ○ DELETE ○ HEAD ○ OPTIONS ○ Other

Raw    Form    **Headers**

keycode:

Clear  Send

Status       **200** OK ●  Loading time:  3080 ms

Request headers
keycode:
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/41.0.2272.118 Safari/537.36
Accept: */*
Accept-Encoding: gzip, deflate, sdch
Accept-Language: en-US,en;q=0.8,vi;q=0.6

Response headers
Cache-Control: no-cache
Pragma: no-cache
Content-Type: application/json; charset=utf-8
Expires: -1
Server: Microsoft-IIS/7.0
X-AspNet-Version: 4.0.30319
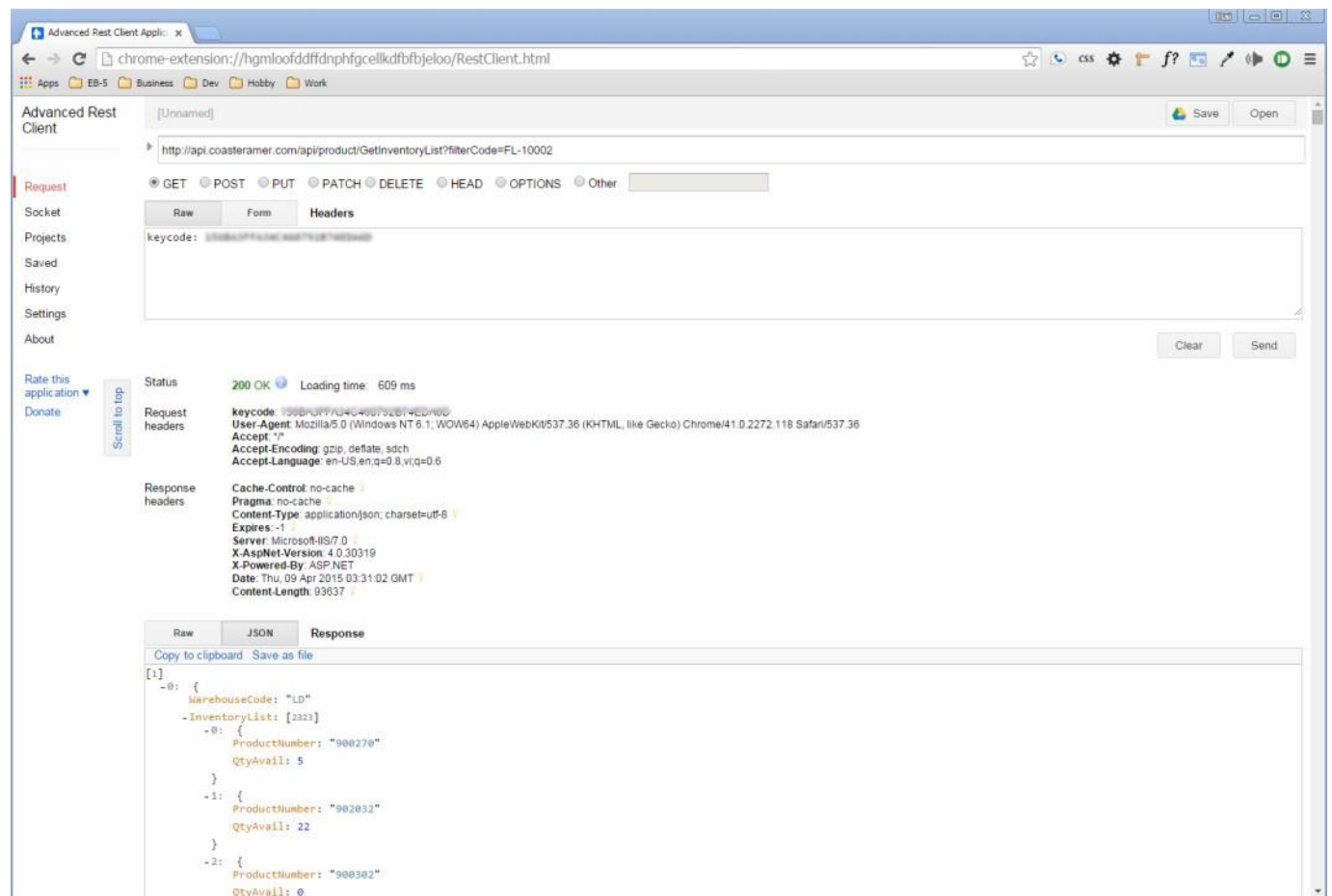X-Powered-By: ASP.NET
Date: Thu, 09 Apr 2015 02:41:14 GMT
Content-Length: 9909338

Raw    JSON    **Response**

Copy to clipboard  Save as file

```
[23727]
 -0: {
    ProductNumber: " 2037710"
    Name: "QUEEN BED"
    Description: ""
    MeasurementList: [0]
    StyleCode: "ST-201"
    Weight: 0
    Cubes: 10.479
    RelatedProductList: [0]
   -BoxSize: {
        Length: 84
        Width: 63
        Height: 56
```

**Get the product box dimension, weight, cubic and sizes**.
- Method: **GetProductDimensions**
- Action: GET
- Description: the method gives the clients/vendors to access the API easily by providing the item#'s (parameter: itemNos). This parameter accepts single item # or multiple separated by comma.
- Example: https://api.coasteramer.com/api/product/GetProductDimensions?itemNos=110711,110712,223464

**Get inventory for entire lineup**

**Get prices for entire lineup**

**Get a filter code that returns only items in the category**

**Get products in the category**

**Get prices for products in the category**

**Submit / create the sales order.**

- Method: **SubmitApiOrder**
- Action: POST
- Description: Dealer can submit an order using the method **SubmitApiOrder**
- Example

http://api.coasteramer.com/api/order/SubmitApiOrder



**Get the customer/dealer's shipto list.**

- Method: **GetShipToList**
- Action: GET
- Description: get the list of shipto list
- Example

http://api.coasteramer.com/api/order/GetShipToList