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PDM API Documentation

Overview

PDM (Product Data Management) provides external vendors the ability to maintain product item and content data via REST APIs.

Authentication and Authorization

Authentication and Authorization is provided via Best Buy's OAuth2 service, API Defender (APID).

- If you do not already have credentials, please refer to: [Requesting credentials to access PDM APIs](#)
- Information on using APID to access PDM APIs is available here: [Connecting to PDM APIs](#)

Service Documentation

- [Requesting credentials to access PDM APIs](#)
- [Connecting to PDM APIs](#)
- [Category Service](#)
- [Category Definition Services](#)
- [Working Record Services](#)
- [Published Record Services](#)

Standard HTTP Responses

Response Code	Response
200 - Success	Expected response body. See the specific Services pages for detail around each expected response from a service. Successful response to GET, PATCH, and PUT
201 - Created	Successful response to POST
204 - No Content	Successful response to DELETE
5XX - Error	Error is logged and response sent to calling app. Response body may contain additional information regarding the error encountered. Calling applications may choose to retry the request depending on the nature of the error.
400 - Bad Request	The request is malformed.
401 - Forbidden	The request does not have a valid OAuth2 bearer token.
403 - Not Authorized	The request is not authorized.
404 - Not Found	Response body is empty. This is not an error. It is the normal response when the requested entity does not exist. Calling applications should not retry with the same request.
409 - Conflict	This applies to the product item and content publish resources. The request is not processed because the related working record conflicts with the publish rules.

Requesting credentials to access PDM APIs

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- [3 Steps to decrypt client id and secret received from Best Buy](#)
- [4 Use the client id and secret](#)

Overview

Product Data Management (PDM) delivers API services to our external vendor partners via the Best Buy gateway called API Defender or APID. Requests are secured via a token (i.e. OAuth2).

All requests to APID require an Authorization header with a Bearer JSON Web Token (JWT). Here are the basic steps:

1. Vendors generate a time limited token via the Best Buy Falcon secure token service.
2. The Best Buy Falcon token service requires a **client id** and a **secret**.

To onboard a vendor we must *securely* provide the **client id** and **secret**. To maintain security, we ask our vendors to use GNU Privacy Guard (GPG) to encrypt/decrypt these values.

Here is the basic flow for using GPG.

1. The vendor generates the public/private GPG key.
2. The vendor emails Best Buy the public key.
3. Best Buy creates the **client id** and **secret** with the appropriate PDM API access policies for sandbox (a.k.a. stage) and production environments.
4. Best Buy encrypts a file with the **client id** and **secret** using the vendor's public key and emails it to the vendor.
5. The vendor decrypts the file with their private key.

Steps to create the GPG keys on mac or linux

1. Install a gpg-agent

example install option for mac

```
brew install gnupg
```

2. Create a private and public gpg key. The sample below uses the name="example-for-vendor" and email="example@mailinator.com"

sample output

```
? ~ gpg --gen-key

gpg (GnuPG) 2.2.16; Copyright (C) 2019 Free Software Foundation, Inc.
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.

Note: Use "gpg --full-generate-key" for a full featured key generation dialog.

GnuPG needs to construct a user ID to identify your key.

Real name: example-for-vendor
Email address: example@mailinator.com
You selected this USER-ID:
    "example-for-vendor <example@mailinator.com>"

Change (N)ame, (E)mail, or (O)kay/(Q)uit? O
We need to generate a lot of random bytes. It is a good idea to perform
some other action (type on the keyboard, move the mouse, utilize the
disks) during the prime generation; this gives the random number
generator a better chance to gain enough entropy.
We need to generate a lot of random bytes. It is a good idea to perform
some other action (type on the keyboard, move the mouse, utilize the
disks) during the prime generation; this gives the random number
generator a better chance to gain enough entropy.
gpg: key 14D004ABBB55BEA2 marked as ultimately trusted
gpg: revocation certificate stored as '/Users/all6230/.gnupg/openpgp-revocs.d
/1AFA4A783966227BF8D21FB914D004ABBB55BEA2.rev'
public and secret key created and signed.

pub   rsa2048 2019-06-25 [SC] [expires: 2021-06-24]
       1AFA4A783966227BF8D21FB914D004ABBB55BEA2
uid           example-for-vendor <example@mailinator.com>
sub   rsa2048 2019-06-25 [E] [expires: 2021-06-24]
```

3. Export the public key to send to Best Buy. The example below uses the public key identifier (*1AFA4A783966227BF8D21FB914D004ABBB55BEA2*)

```
gpg --armor --export {keyId} >> {vendorName}-public-gpg.asc
```

```
gpg --armor --export 1AFA4A783966227BF8D21FB914D004ABBB55BEA2 >> example-for-vendor-public-gpg.asc
```

4. Email the gpg public key file to PDMCustomerSupport@bestbuy.com. Please do not export and send the private key.
5. It may take several days for Best Buy to create the file containing the client id and secret.

Steps to decrypt client id and secret received from Best Buy

1. Best Buy will email the encrypted file (e.g. example-pdm-client-info.txt.gpg)
2. Save the file to a folder (e.g. Downloads)
3. Decrypt the file:

Sample output

```
-> gpg --decrypt ~/Downloads/example-pdm-client-info.txt.gpg

gpg: encrypted with RSA key, ID 61B837179564F7BA
gpg: encrypted with 2048-bit RSA key, ID F6EF212B64ED25BD, created 2019-06-18
    "example-for-vendor <example@mailinator.com>"

stage:new:
-----

{
  "clientId"      : some-client-id-here
  "clientSecret"  : some-secret-value-here
}

prod_new:
-----

{
  "clientId"      : another-client-id-here
  "clientSecret"  : another-secret-value-here
}
```

Use the client id and secret

Please refer to: [Connecting to PDM APIs](#)

Connecting to PDM APIs

Table of Contents

- [1 Overview](#)
- [2 Connect to Stage or Production](#)
- [3 Confirm heartbeat](#)



Before working through these instructions, be sure you have successfully received your client id and secret.

Overview

Product Data Management (PDM) is a web service that allows vendors to maintain product item and content data. Vendors access PDM through another Best Buy system, API Defender (APID). Follow the instructions below to test integration between your application and PDM. The PDM stage environment is a sandbox.

PDM service access via APID require token authentication, specifically OAuth2. The basic flow for making any request is:

1. Using your client id and secret, fetch a token given the proper scope.
2. Use the token in the request to the related PDM endpoint (related to the scope in the token request)

Below are detailed cURL examples.

Connect to Stage or Production

Environment	token-host	pdm-host
Stage	https://sts-ext-cld.stage.bestbuy.com	https://apid-ext-cld.stage.bestbuy.com
Production	https://sts-ext-cld.bestbuy.com	https://apid-ext-cld.bestbuy.com

Confirm heartbeat

1. Fetch an access token

```
curl --user <clientId>:<secret> https://sts-ext-cld.stage.bestbuy.com/v3.0/falcon/token -d "grant_type=client_credentials&scope=apid-ext-cloud:DELETE,GET,PATCH,POST,PUT:/gw/pdm-ingest/v1/**"
```

Expected result

```
{
  "scope": "apid-ext-cloud:DELETE,GET,PATCH,POST,PUT:/gw/pdm-ingest/v1/**",
  "access_token": <some-long-jwt-token>,
  "expires_in": 600,
  "token_type": "Bearer",
  "spike_arrest_limit": 100,
  "issued_at": 1569879147200,
  "expires_at": 1569879747200,
  "policy_id": "339471"
}
```

2. Request heartbeat status

```
curl -H "Authorization:Bearer <some-long-jwt-token>" <pdm-host>/gw/pdm-ingest/heartbeat
```

```
curl -H "Authorization:Bearer <some-long-jwt-token>" https://apid-ext-cld.stage.bestbuy.com/gw/pdm-ingest/v1/heartbeat
```

Expected result

```
{  
  "applicationName": "pdm",  
  "applicationVersion": "19.26.54"  
}
```


Category Service

- 1 [Overview](#)
- 2 [Get Category List](#)
- 3 [Get Categories By Name\(s\)](#)
- 4 [Response Data Dictionary](#)

Overview

The Category Service provides the list of all available categories.

Get Category List

 **Service URL**
<https://apid-ext-cld.bestbuy.com/gw/pdm-ingest/v1/categories>

Sample category list response: <https://apid-ext-cld.bestbuy.com/gw/pdm-ingest/v1/categories>

```
{
  "metadata": {
    "count": 1827,
    "currentDate": "2019-12-03T13:24:53Z"
  },
  "results": [
    {
      "name": "Entertainment_Centers",
      "links": [
        {
          "rel": "self",
          "href": "https://apid-ext-cld.test.bestbuy.com/gw/pdm-ingest/v1/categories?name=Entertainment_Centers"
        },
        {
          "rel": "content",
          "href": "https://apid-ext-cld.test.bestbuy.com/gw/pdm-ingest/v1/categoryDefinitions/content?name=Entertainment_Centers"
        },
        {
          "rel": "item",
          "href": "https://apid-ext-cld.test.bestbuy.com/gw/pdm-ingest/v1/categoryDefinitions/item?name=Entertainment_Centers"
        }
      ]
    },
    {
      "name": "Beading_Needles",
      "links": [
        {
          "rel": "self",
          "href": "https://apid-ext-cld.test.bestbuy.com/gw/pdm-ingest/v1/categories?name=Beading_Needles"
        },
        {
          "rel": "content",
          "href": "https://apid-ext-cld.test.bestbuy.com/gw/pdm-ingest/v1/categoryDefinitions/content?name=Beading_Needles"
        },
        {
          "rel": "item",
          "href": "https://apid-ext-cld.test.bestbuy.com/gw/pdm-ingest/v1/categoryDefinitions/item?name=Beading_Needles"
        }
      ],
      ...
    }
  ]
}
```

Get Categories By Name(s)



Service URL

<https://apid-ext-cld.bestbuy.com/gw/pdm-ingest/v1/categories?name=<name1>,<name2>,etc>

Sample category list response: https://apid-ext-cld.bestbuy.com/gw/pdm-ingest/v1/categories?name=Electric_Dryers,Gas_Dryers

```
{
  "metadata": {
    "count": 2,
    "currentDate": "2019-12-03T13:21:53Z"
  },
  "results": [
    {
      "name": "Electric_Dryers",
      "links": [
        {
          "rel": "self",
          "href": "https://apid-ext-cld.test.bestbuy.com/gw/pdm-ingest/v1/categories?name=Electric_Dryers"
        },
        {
          "rel": "content",
          "href": "https://apid-ext-cld.test.bestbuy.com/gw/pdm-ingest/v1/categoryDefinitions/content?name=Electric_Dryers"
        },
        {
          "rel": "item",
          "href": "https://apid-ext-cld.test.bestbuy.com/gw/pdm-ingest/v1/categoryDefinitions/item?name=Electric_Dryers"
        }
      ]
    },
    {
      "name": "Gas_Dryers",
      "links": [
        {
          "rel": "self",
          "href": "https://apid-ext-cld.test.bestbuy.com/gw/pdm-ingest/v1/categories?name=Gas_Dryers"
        },
        {
          "rel": "content",
          "href": "https://apid-ext-cld.test.bestbuy.com/gw/pdm-ingest/v1/categoryDefinitions/content?name=Gas_Dryers"
        },
        {
          "rel": "item",
          "href": "https://apid-ext-cld.test.bestbuy.com/gw/pdm-ingest/v1/categoryDefinitions/item?name=Gas_Dryers"
        }
      ]
    }
  ],
  "links": [
    {
      "rel": "self",
      "href": "https://apid-ext-cld.test.bestbuy.com/gw/pdm-ingest/v1/categories?name=Gas_Dryers,Electric_Dryers"
    }
  ]
}
```

Response Data Dictionary

JSON Field	Details
metadata	Additional information about the document.
metadata.count	Indicates the number of results.
metadata.currentDate	This is the date and time of the request.

links[]	Associated web links related to this document.
links[].href	The URL to the related data. A self link matches the requested endpoint.
links[].rel	Indicates the type of relationship (i.e. self, content or item).
results[]	The filtered list of categories.
results[].name	The name of the category. Results can be filtered by this value using the "name" query parameter.
results[].links[]	The related links for the categories.
results[].links[].rel	Indicates the type of relationship (i.e. self, content and item) for the related category.
results[].links[].href	This is the endpoint for the definition.

Category Definition Services

- [1 Overview](#)
- [2 Get Content and Item Category Definitions by Name](#)
- [3 Data Dictionary](#)

Overview

The Category Definition Service describes the payload structure of PDM product content and item resources. A list of all categories with links to each category definition can be retrieved from the categories endpoint (see: [Category Service](#)).

Get Content and Item Category Definitions by Name

Method	URL
GET	/v1/categoryDefinitions/content?name=<list of category names>
GET	/v1/categoryDefinitions/item?name=<list of category names>

Data Dictionary

JSON Field	Details	Sample Record Snippet
links[]	Web links related to this document. <pre>"links": [{ "rel": "self", "href": "https://apid-ext-cld.bestbuy.com/ gw/pdm-ingest/v1/categoryDefinitions/content? name=Full_Size_Refrigerators" }]</pre>	
links[].rel	Indicates the type of web link relationship (e.g. self).	
links[].href	The URL to the related data. A self link matches the requested endpoint.	
metadata	Additional information about the document. <pre>"metadata": { "count": 1, "currentDate": "2019-08-14T19:58:14Z" }</pre>	
metadata.count	Indicates the number of results.	
metadata.currentDate	This is the date and time of the request.	
results[]	The results list holds the object requested by name.	

<p>results[].attributes[]</p>	<p>The list of all attributes available for the given category. Each attribute includes fields describing data requirements.</p> <pre> ... "results": [{ "name": "Full_Size_Refrigerators", "metadata": {}, "attributes": [{"name": "adaCompliant"...}, {"name": "altViewZoom2"...}, {"name": "categoryName"...}, {"name": "condition"...}, {"name": "gtin"...}, {"name": "quickAccessDoor"...}, ], links: [] }, { "name": "Smart_Watches", ... }] </pre>	
<p>results[].attributes[].allowedValues[]</p>	<p>The allowed values for the given attribute.</p> <pre> { "name": "colorCategory", "allowedValues": ["Black", "Blue", "Brown", "Clear", "Gold", "Gray", "Green", "Multi", "Orange", "Pink", "Purple", "Red", "Silver", "Tan", "White", "Yellow"], ... } </pre>	<pre> { "gtin": "000000000000", "condition": "NEW", "categoryName": "Full_Size_Refrigerators", "colorCategory": "Gray" } </pre>
<p>results[].attributes[].conditionalRule</p>	<p>Conditional rule indicates when the this attribute is allowed or needed on the payload.</p> <pre> { "name": "airFilterModelNumber", "conditionalRule": "attributes.airFilter == true", ... } </pre>	<pre> { "gtin": "000000000000", "condition": "NEW", "categoryName": "Full_Size_Refrigerators", "airFilter": true, "airFilterModelNumber": "SomeModelNumber" } </pre>

results[].attributes[].defaultValidation	<p>Possible values:</p> <ol style="list-style-type: none"> 1. REQUIRED <ol style="list-style-type: none"> a. Must be provided and correct to publish the item or content record. 2. OPTIONAL <ol style="list-style-type: none"> a. Must be correct or omitted to publish the item or content record. 	
results[].attributes[].definition	The description provides a statement of the attribute and its potential uses.	
results[].attributes[].displayName	The display name is the human readable version of the attribute name.	
results[].attributes[].maximumInstances	<p>A number greater than 1 means the user can send a list of values.</p> <pre>{ "name": "dispensedWaterType", "maximumInstances": 5, ... }</pre>	<pre>{ "gtin": "000000000000", "condition": "NEW", "categoryName": "Full_Size_Refrigerators", "dispensedWaterType": ["Cold Water", "Hot Water"] }</pre>
results[].attributes[].maxLength	<p>The maximum number of digits or characters allowed for an attribute.</p> <pre>{ "name": "description", "maxLength": 4500.0, ... }</pre>	<pre>{ "gtin": "000000000000", "condition": "NEW", "categoryName": "Full_Size_Refrigerators", "description": "Product description is sent in this attribute." }</pre>
results[].attributes[].maximumValue	<p>The maximum value allowed for a decimal or integer value.</p> <pre>{ "name": "estimatedAnnualElectricityUse", "maximumValue": "1500", ... }</pre>	<pre>{ "gtin": "000000000000", "condition": "NEW", "categoryName": "Full_Size_Refrigerators", "estimatedAnnualElectricityUse": 1125.5 }</pre>
results[].attributes[].minimumInstances	The minimum size of the list.	
results[].attributes[].minimumLength	<p>The minimum number of digits or characters allowed for an attribute.</p> <p>See maxLength for an example.</p>	
results[].attributes[].minimumValue	<p>The minimum value allowed for a decimal or integer value.</p> <p>See maximumValue for an example.</p>	
results[].attributes[].name	<p>The name of the attribute. This should be the name used when maintaining a item or content record. For example, if the name is gtin, then the JSON would look something like this:</p>	<pre>{ "gtin" : "000000000000", ... }</pre>

<pre>results[]. attributes[]. regularExpres sion</pre>	<p>A standard regular expression to which the value must adhere.</p> <pre>{ "name": "productHeight", "regularExpression": "(-?\d+(\.\d+)?) (-?\d+(\s\d+\/\d+)?)", "type": "decimalFraction", ... }</pre>	<pre>{ "gtin": "000000000000", "condition": "NEW", "categoryName": "Electric_Grills", "productHeight": 50.3 } { "gtin": "000000000000", "condition": "NEW", "categoryName": "Electric_Grills", "productHeight": "50 1/2" }</pre>
<pre>results[]. attributes[]. type</pre>	<p>The data type of the attribute. This includes:</p> <ol style="list-style-type: none"> 1. boolean - (true, false) 2. base64binary 3. date - see regularExpression value for format. 4. decimal 5. decimalFraction - see regularExpression for an example 6. imageUrl 7. integer 8. object - see typeDefinition for example 9. string 10. url 	<pre>{ "gtin": "000000000000", "condition": "NEW", "categoryName": "Full_Size_Refrigerators", "waterFiltration": true, "productWidth": 18.4, "numberOfFixedShelves": 5, "airFilterModelNumber": "q345dafgou835gdfadk", "frontZoom": "https://your-image-server.com /image.png" ... }</pre>

<p>results[].attributes[].typeDefinition</p>	<p>This is applicable when the type is object. It is a list of attribute definitions.</p> <pre> { "name": "californiaProposition65Warning", "displayName": "California Proposition 65 Warning", "definition": "California ...", "defaultValidation": "OPTIONAL", "type": "object", "updateDate": "2020-01-06T15:00:00.000Z", "typeDefinition": [{ "name": "type", "displayName": "Type", "defaultValidation": "REQUIRED", "type": "string", "allowedValues": ["cancer", "reproductive harm", "cancer and reproductive harm"], "definition": "Indicates ..." }, { "name": "message", "displayName": "Message", "defaultValidation": "REQUIRED", "type": "string", "minimumLength": 1, "maximumLength": 360, "definition": "Custom ..." }], ... } </pre>	<pre> { "californiaProposition65Warning": { "type": "cancer and reproductive harm", "message": "This product can expose you to chemicals, which are known to the State of California to cause cancer." } } </pre>
<p>results[].attributes[].uom</p>	<p>Unit of measure. This is the assumed metric for the the submitted attribute value.</p> <pre> { "name": "productWeight", "uom": "pounds", "type": "decimal" } </pre>	<pre> { "gtin": "0000000000000", "condition": "NEW", "categoryName": "Electric_Grills", "productWeight": 40.6 } </pre>
<p>results[].attributes[].updateDate</p>	<p>The last time we changed the definition of this attribute.</p>	
	<pre> { "links": [{ "rel": "self", "href": "https://apid-ext-cld.test.bestbuy.com/gw/pdm-ingest/v1/categoryDefinitions?name=Electric_Grills" }] } </pre>	
<p>results[].links[].rel</p>	<p>This indicates the relationship of the link (e.g. self).</p>	

results[.links[.href	This is the URL to the definition result when the rel=self.	
results[.metadata	<p>This holds information about the category definition</p> <pre> { "results": [{ "name": "Electric_Grills", "metadata": { "attributeTotalCount": 138, "attributeRequiredCount": 25 }, "attributes": [], ... }, ...], ... } </pre>	
results[.metadata.attributeTotalCount	The number of all attributes delivered on the category.	
results[.metadata.attributeRequiredCount	The number of attributes which are required for this category.	
results[.name	The category represented by the list of attribute definitions.	

Working Record Services

- 1 [Overview](#)
- 2 [Maintain Content and Item Records](#)
 - 2.1 [Data Dictionary](#)
- 3 [Search Records by GTIN](#)
 - 3.1 [Data Dictionary](#)

Overview

Product content records hold shopper facing attributes. For example

1. Feature bullets
2. Images
3. etc

Product item records hold attributes necessary for Best Buy administration of the product. For example

1. Warehouse storage (trade item hierarchy)
2. Store display (planogram)
3. Purchasing (loose and unit cost)
4. etc

The attribute definitions are available for a product content record by category name on the [Category Definition Services](#).

Maintain Content and Item Records

Method	URL	Effect	Successful Response Status	Notes
POST	/v1/contents /v1/items	Create	201	
PATCH	/v1/contents/<id>/working /v1/items/<id>/working	Update	200	To remove a simple or complex attribute value send null. <pre>"brand":null, "featureBullets":null</pre>
PUT	/v1/contents/<id>/working /v1/items/<id>/working	Replace	200	
GET	/v1/contents/<id>/working /v1/items/<id>/working	Read	200	
DELETE	/v1/contents/<id>/working /v1/items/<id>/working	Remove	204	

Sample Request Body for POST, PATCH, and PUT

```
{  
  "attributes": {  
    "gtin": "546254854780",  
    "categoryName": "Gas_Dryers",  
    ...  
  }  
}
```

Sample Response Body for GET, POST, PATCH, PUT

```
{
  "id": "cd95f33b-0000-0000-0000-eab2f62ab2ae",
  "attributes": {
    "gtin": "546254854780",
    "categoryName": "Gas_Dryers",
    ...
  },
  "attributeMessages": {
    "brandName": [
      {
        "message": "No value provided for REQUIRED attribute."
      }
    ],
    ...
  },
  ...
}
```

Data Dictionary

JSON Field	Details
id	The record id.
attributes	The state of the record.
attributes.*	All of the applicable attributes sent in the POST request as well as a generated "id".
metadata	Metadata related to the record.
metadata.createDate	The date the record was created.
metadata.currentDate	The date the request was made.
metadata.updateDate	The date of the last record state change.
links	A list of related links. In this case, it is a self link back to the record resource.
links[].rel	The type of related link. In this case, it will be "self".
links[].href	The link to the related resource.
attributeMessages	The attribute level validation messages. These include validation failures and all missing required attributes.
attributeMessages.<name>	The name of the attribute with a problem. This is a path string (e.g. manuals.documentType)
attributeMessages.<name>[]	Details about the attribute problems.
attributeMessages.<name>[].message	Detailed message about the problem.

Search Records by GTIN

Method	URL	Effect	Successful Response Status
GET	/v1/contents?gtin=<gtin> /v1/items?gtin=<gtin>	Read and filter	200

Sample response for /gw/pdm-ingest/v1/contents?gtin=546254854780

```
{
  "metadata": {
    "count": 4,
    "currentDate": "2019-12-04T15:46:57Z"
  },
  "results": [
    {
      "contentId": "9135bdea-02c2-4b0d-999b-d3208faa6e10",
      "gtin": "546254854780",
      "links": [
        {
          "rel": "working",
          "href": "https://apid-ext-cld.test.bestbuy.com/gw/pdm-ingest/v1/contents/9135bdea-02c2-4b0d-999b-d3208faa6e10/working"
        }
      ]
    },
    {
      "contentId": "bad50db0-4e6b-43f9-8248-6494cf4708fb",
      "gtin": "546254854780",
      "links": [
        {
          "rel": "working",
          "href": "https://apid-ext-cld.test.bestbuy.com/gw/pdm-ingest/v1/contents/bad50db0-4e6b-43f9-8248-6494cf4708fb/working"
        }
      ]
    },
    ...
  ],
  "links": [
    {
      "rel": "self",
      "href": "https://apid-ext-cld.test.bestbuy.com/gw/pdm-ingest/v1/contents?gtin=546254854780"
    }
  ]
}
```

Data Dictionary

JSON Field	Details
metadata	Metadata related to the record.
metadata.count	Record count.
metadata.currentDate	The date the request was made.
links	A list of related links. In our case, this is a self link back to the search.
links[].rel	The type of related link. In our case, this will be "self".
links[].href	The link to this search.
results	Filtered records by gtin.
results[].gtin	The record gtin.
results[].contentId	The record identifier.
results[].itemId	
results[].links	A list of related record links.
results[].links[].rel	The type of related record link. In this case, it will be "self".
results[].links[].href	The link to the record.

Published Record Services

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Overview

The vendor publishes a record when the related working record is in a complete state. The record has all the desired data and includes no attribute problems.

Maintain Published Content and Item Records

Method	URL	Effect	Response Status	Notes
POST	/v1/contents/<id>/published /v1/items/<id>/published	Publish	201	Pushes the record to other Best Buy systems.
			409	Response when the record has attribute problems.
GET	/v1/contents/<id>/published /v1/items/<id>/published	Read last published	200	
DELETE	/v1/contents/<id>/published /v1/items/<id>/published	Remove last published	204	

Sample Response Body for Get and Post /v1/content/<content id>/published

```
{
  "id": "0bb6bd53-fe8c-49dc-98d1-72d771ffb7ad",
  "attributes": {
    "categoryName": "Gas_Dryers",
    "gtin": "55555555555555",
    ...
  },
  "links": [
    {
      "rel": "self",
      "href": "https://apid-ext-cld.test.bestbuy.com/gw/pdm-ingest/v1/contents/0bb6bd53-fe8c-49dc-98d1-72d771ffb7ad/published"
    }
  ],
  "metadata": {
    "createDate": "2019-12-05T20:53:11.155Z",
    "currentDate": "2019-12-06T12:00:10.316Z",
    "submissionId": "97185264-46fa-4f10-86a3-2aec1c4cd054"
  }
}
```

Data Dictionary

JSON Field	Details
id	The record id.
attributes	Record attribute values.
attributeMessages	This applies only to content records. <ol style="list-style-type: none"> 1. Messages are empty when all images process successfully. 2. Messages can indicate the image is still uploading 3. Messages can indicate the image upload failed.

metadata	Metadata related to the record.
metadata.createDate	The date the published record was created.
metadata.currentDate	The date the request was made.
metadata.submissionId	An internal id used by Best Buy support teams.
metadata.rmsId	
links	Related links
links[].rel	The type of related link. In this case, it will be "self".
links[].href	The link to the related resource.