



1WorldSync Content1 Web Services
Product Search Model Schema Guide

Version 3.1.23

Table of Contents

1	Overview	2
2	If Your Company has never used ANY 1WorldSync API	2
3	Product Search Model.....	3
4	Revision History.....	4

1 Overview

1WorldSync's Content1 ContentNOW API allows you to access 1WorldSync's rich and trusted repository of Brand Owner provided product information.

This document describes how to use the APIs to access product data from 1WorldSync Content1. It details the various parameters required to access and use the service, such as web service URLs, and request and response formats.

The intended audience of this document is anyone who will use Web services to access ContentNOW product data from Content1. (Note that a separate API document exists for those subscribers that will provide digital asset content.)

The current application programming interface (API) is a version 1 (/V1/) release.

These Web services will help you to:

- Access trusted product data sourced directly from Brand Owners and Manufacturers to power your applications.
- Ensure that you do not miss out on exciting information about new products from leading brands.
- Access latest updates on products, real-time.
- Perform efficient and extremely fast search operations on products.

2 If Your Company has never used ANY 1WorldSync API

Please note the following before attempting to sign up for an account.

If your Company has an existing API account using any API with 1WorldSync, including Product API, DAM API, or Content1 API you should NOT attempt to create an account in the developer portal. Instead open a support ticket.

If you are not sure if your Company has an existing API account using any API with 1WorldSync you should also NOT attempt to create an account in the developer portal. Instead open a support ticket.

If your Company does have an existing API account with 1WorldSync any administrator from your company in the developer portal can invite a new developer onto the account via email from inside the developer portal.

If your Company has access to a different API and you want to add access to the Content1 API on your Company account, you should open a support ticket.

If your Company has not used any API with 1WorldSync before, then you should register through the developer portal as instructed below. After registering, a support agent will contact you at the email address used when you created the account.

Before using 1WorldSync's web services, you must first register at <https://developer.1worldsync.com> to receive the credentials required for access.

Upon registration, you'll receive the following credentials:

- Your app_id: an 8-character, alphanumeric identifier
- Your X-3SCALE-AUTH-SECRET: a 32-character identifier (Client Secret)

The app_id must be included in all 1WorldSync Content1 web service requests to identify the sender of the request. The X-3SCALE-AUTH-SECRET code allows you to create the digital signature that provides proof that you truly are the sender of the request. For all requests you must calculate this signature (hash_code) using your X-3SCALE-AUTH-SECRET code to authenticate your signature. You may refer to Content1 API HMAC Guide which can be found at <https://marketplace.api.1worldsync.com/api/> for more details on the information you must supply for the authentication process.

If you would like to test our API's in a non-production environment, you can use our Pre-Production environment: <https://marketplace.preprod.api.1worldsync.com/V2/products>. You will need a separate client id and secret key from your production account; contact us at technicalsupport@1worldsync.com if you need this additional access established.

Otherwise access to the Production web services will be through: <https://marketplace.api.1worldsync.com/V2/products>.

There is also an online tool and sdk available to help you begin programming against the Content1 API while allowing you to make direct API calls using your app_id and secret key. Visit <https://marketplace.api.1worldsync.com/api/> for more information.

3 Product Search Model

This is the search model which details the structure of the JSON returned by a Content1 Product Search API call. To obtain sample JSON please use our the following urls from the Content1 Developers tool kit.

Production

https://marketplace.api.1worldsync.com/api/doc/swagger_search_model

Pre-Production
https://marketplace.preprod.api.1worldsync.com/api/doc/swagger_search_model

4 Revision History

Date	Ver #	Description of Change	Author
03/15/2016	3.0	MjR3 Compliant JSON	K. Tratt
03/31/2016	3.0r1	MjR3 Compliant Model Schema Schema updated to reflect corrections in attributes and groups	K. Tratt
04/26/2016	3.1	Changed for RDD (Relationship Dependent Data)	K. Tratt
06/24/2016	3.1.2	Added new attribute InBoxCubeDimension (Volume)	K. Tratt
10/25/2016	3.1.4	Changes to fetch model no changes to search	K. Tratt
01/11/2017	3.1.4	Changes to fetch model no changes to search	K. Tratt
04/18/2017	3.1.4.7	Added changes for cursor mark processing	K. Tratt
09/20/2017	3.1.6	Changing Attributes and structures for GDSN 3.1.3	K. Tratt
10/20/2017	3.1.6.1	Changes to add all AVPs and reorganization of RDD AVPs. These changes mostly affect the fetch model	K. Tratt
10/09/2018	3.1.6.10	Changes to remove the following attributes due to changes in GDSN tradeltemInformation/tradeltemMeasurementsModule/tradeltemMeasurements/additionalTradeltemDimensions/depth tradeltemInformation/tradeltemMeasurementsModule/tradeltemMeasurements/additionalTradeltemDimensions/height tradeltemInformation/tradeltemMeasurementsModule/tradeltemMeasurements/additionalTradeltemDimensions/width	K. Tratt
05/11/2020	3.1.12	Include Schema Model in external link	P. Odle

10/23/2020	3.1.14.1 Release Date 11/07/2020	<ul style="list-style-type: none"> itemIdentification/productName – node is being removed <p><u>New Schema Excerpt</u></p> <pre> "itemIdentificationInformation" : { ... "productName" : { "values" : [{ "value" : "string", "language" : "string" }], "languageDefinition" : "string" }, ... }, </pre> <ul style="list-style-type: none"> tradeltemDescriptionModule/tradeltemDescriptionInformation /regulatedProductName – node is being modified <p><u>Old Schema Excerpt</u></p> <pre> "tradeltemDescriptionModule" : { "tradeltemDescriptionInformation" : [{ ... "regulatedProductName" : [{}] ... }] }, </pre> <p><u>New Schema Excerpt</u></p> <pre> "tradeltemDescriptionModule" : { "tradeltemDescriptionInformation" : [{ ... "regulatedProductName" : [{ "sequenceNumber" : "string", "statement" : { "values" : [{ "value" : "string", "language" : "string" }], "languageDefinition" : "string" } }] }] }, </pre>	P. Odle
3/19/2021	3.1.15	Revised support email address. Old customersupport@1worldsync.com New technicalsupport@1worldsync.com	P. Odle

3/19/2021	3.1.15 Release Date 5/15/2021	<p>May GDSN 2021 Changes Production 5/15/2021 Pre-Production 3/26/2021</p> <p>The certificationInformationModule node is removed. The dietInformationModule node is removed. Both these nodes have embedded recipient dependent fields, so the entire node is changed to recipient dependent. These are not supported in the Search API. To see these values, fetch the actual item.</p>	P. Odle
11/12/2021	3.1.17	<p>Update instructions for signing up on https://developer.1worldsync.com</p>	P. Odle
5/20/2023	3.1.23 Release Date 5/20/2023	<p>May GDSN 2023 Changes Production 5/20/2023 Pre-Production 5/12/2023</p>	P. Odle
<ul style="list-style-type: none"> additionalTradelItemClassificationCodeDescription <p>Node is being made language specific.</p> <p><u>Old Format</u></p> <pre> "gDSNTradelItemClassification" : { "additionalTradelItemClassification" : [{ "additionalTradelItemClassificationValue" : [{ "additionalTradelItemClassificationCodeDescription" : "string", "additionalTradelItemClassificationCodeValue" : "string" }] }] } </pre> <p><u>New Format</u></p> <pre> "gDSNTradelItemClassification" : { "additionalTradelItemClassification" : [{ "additionalTradelItemClassificationValue" : [{ "additionalTradelItemClassificationCodeDescription" : { "values" : [{ "value" : "string", "language" : "string" }], "languageDefinition" : "string" } }], "additionalTradelItemClassificationCodeValue" : "string" }] } </pre>			

Node

tradeltemMeasurementsModuleGroup.tradeltemMeasurementsModule.tradeltemMeasurements.tradeltemNonpackagedSize is being moved to tradeltemSizeModule.nonPackagedSizeDimension

Old Format

```
"tradeltemNonpackagedSize": [{
  "descriptiveSizeDimension": {
    "values": [{
      "value": "string",
      "language": "string"
    }
  ],
  "languageDefinition": "string"
},
"sizeDimension": {
  "value": "string",
  "qual": "string",
  "qualDefinition": "string"
},
"sizeSystemCode": {
  "value": "string",
  "valueDefinition": "string"
},
"sizeTermDescription": {
  "values": [{
    "value": "string",
    "language": "string"
  }
  ],
  "languageDefinition": "string"
},
"sizeTypeCode": {
  "value": "string",
  "valueDefinition": "string"
}
}
],
```

New Format

This will be unavailable in the Search Model.

--	--	--	--