

114415 RETAIL API – IMPROVED PRODUCT LOOK UP FOR PRICE CHANGES

1 INTRODUCTION

The Apparel21 *Retail API > Products* endpoint has been modified so that the “*UpdatedAfter*” filter and the “*UpdateTimeStamp*” element consider price changes due to markdown starting or ending as a modification. i.e. Treat these as a product update.

This change means that there is no longer a requirement to do a full product read each night to get the “today” prices for the day. It is now possible to just get the products that have changed since yesterday (or last few hours – depends on timing).

A look up is still required at least every day because the response payload includes “today” prices for:

- Price = current price for today’s date
- OriginalPrice = original price (price with no start or end date)
- RetailPrice = current price for today’s date for retail price scheme

2 BENEFITS

- ✓ Reduced load / effort to maintain product information online accurately – less data sent / received between source Apparel21 system and ecommerce systems

3 SETUP

There is no additional setup for this feature; this change is applied for all usage of the *Retail API > Products* endpoint.

4 DESCRIPTION / USAGE

This change was made to the “products” endpoint (including the simple and detailed versions).

The existing filter *UpdatedAfter* now considers price modifications as an update.

The response element for *UpdateTimeStamp* will also reflect price modifications.

GET http://v-devserver2012/IntDocRetailAPI/Products?UpdatedAfter=2018-11-25T00:00:00&countryCode=AU Send

Params Authorization Headers (2) Body Pre-request Script Tests

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> UpdatedAfter	2018-11-25T00:00:00	
<input checked="" type="checkbox"/> countryCode	AU	
Key	Value	Description

Body Cookies Headers (10) Test Results Status: 200 OK Time: 24232 ms Size: 1.35 KB

Pretty Raw Preview XML

```

1 <Products xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" Type="Array" TotalRows="1" PageStartRow="1" PageRows="1"
  FromCache="false">
2   <Product>
3     <Id>11586</Id>
4     <RowNumber>1</RowNumber>
5     <Code>26112018</Code>
6     <Name>DRESS</Name>
7     <Description />
8     <SizeRange>Lady XS - XL</SizeRange>
9     <RepText>NSP</RepText>
10    <UpdateTimeStamp>2018-11-28T00:00:00</UpdateTimeStamp>
11    <References Type="Array">
12      <Reference>
13        <ReferenceTypeId>257</ReferenceTypeId>
14        <Id>1342</Id>
15      </Reference>
16      <Reference>
17        <ReferenceTypeId>1021</ReferenceTypeId>

```

If the data is as per below....

Product	Date Price adjustment entered into system	Price Date from	Price Date to	Price
A	1/1/18			\$100
A	2/1/18	3/1/18	4/1/18	\$90
A	5/1/18	6/1/18		\$80
A	7/1/18	8/1/18		\$120

When run endpoint with filters ...

Date used endpoint	Updated after	Output
31/12/17	30/12/17	-
1/1/18	31/1/18	\$100
2/1/18	1/1/18	\$100
3/1/18	2/1/18	\$90
4/1/18	3/1/18	-
5/1/18	4/1/18	\$100
6/1/18	5/1/18	\$80
7/1/18	6/1/18	-
8/1/18	7/1/18	\$120
9/1/18	8/1/18	-

Some use cases below (there are possibly more):

1. Temporary Markdown loaded on 01/01/2019 for markdown starting on 05/01/2019 and ending on 10/01/2019
 - a. The item is included in the [delta] Products API run on 05/01/2019 with the markdown price.
 - b. The item is included in the [delta] Products API run on 11/01/2019 with the current price (after markdown finishes).
2. Permanent Markdown loaded on 02/01/2019 to begin immediately
 - a. The item is included in the [delta] Products API that is run next time
3. Future Dated RRP loaded on 03/01/2019 for the change to take effect from 03/06/2019
 - a. The item is included in the [delta] Products API that is run on 03/06/2019