



Retail API Release Reference Guide 2021.3

1 REVISION HISTORY

Version	Reason for change	Author	Date
1 - 77	Archived details	Emma Girschik	3/12/15
78	Update document with precision information about discounts to reduce instances of mis-use	Emma Girschik	19/7/16
79	Add in more info for AfterPay refunds – job 112273	Emma Girschik	21/7/16
80	Add in new optional parameter UpdatedAfter to Products and ProductsSimple endpoints to retrieve products updated after a specific timestamp.	Nilusha Fernando	22/9/16
81	Clarify / fix detail on person update time stamp format	Emma Girschik	17/10/16
82	Add new optional element <AccountId> into payment section in the order create call to allow AP21 to uniquely identify a payment gateway when multiple merchant account ids exist within a single merchant account	Nilusha Fernando	02/11/16
83	Fix <OrderInstructions> references – field is not currently supported	Emma Girschik	8/12/16
84	Add changes to allow sites nominate despatch location when AP21 ship from store rules active	Nilusha Fernando	12/12/16
85	Edit person updatetimestamp details to make it clearer that the date/time passed in the PUT must match the current record.	Nilusha Fernando	31/01/17
86	Fix up reference id for how to look up loyalty types – previously was incorrectly listed as rgidx 271 when actually it should be 366	Emma Girschik	29/5/17
87	Add new <PointsPartner> element to Orders call	Nilusha Fernando	20/7/17
88	Modification to Order Payment Reference field. For AfterPay payments, this should be the AfterPay Order ID for successful refund in store.	Emma Girschik	1/8/17
89	Add in Returns endpoint for posting returns for Mail Orders	Emma Girschik	7/8/17
90	Added in job 113368 – new error 5146 for orders	Emma Girschik	16/10/17
91	Fix carrier length for returns – was incorrectly documented as 250 when should be 12	Emma Girschik	4/12/17
92	Add in SLA element to Orders endpoint - v2018	Nilusha Fernando	8/2/18
93	V2018 onwards - Add in version_3.0 breaking change details – person loyalties can now be removed via Persons endpoint. Prior to this version, it was only possible to add and edit loyalty details.	Emma Girschik	14/2/18
94	Clarify that can unlock vouchers if post “lock” request with 0 seconds. Was not clear in the document.	Emma Girschik	4/4/18
95	Fix up details for discount on orders – code not mandatory	Emma Girschik	23/4/18
96	Update data types for Gift Voucher Number- Order payment and Gift Voucher endpoints	Mike Sutton	21/05/18
97	New endpoint for stock changes – job 113805	Emma Girschik	29/5/18

98	Change Orders endpoint to pass AuthorityToLeave – job 114054	Nilusha Fernando	14/6/18
99	Add Retail Reward end points to retrieve reward program details and change Person endpoint to retrieve reward details – Job 114021	Nilusha Fernando	27/8/18
100	Update Reward Programs and Reward Account end points to include spend to next tier, spend to next reward and tier details – Job 114021	Nilusha Fernando	24/10/18
101	Add in 114415 / 114321 – Products endpoint filter for updated date / time modified to also consider price changes as an update	Emma Girschik	4/12/18
102	Add in Rewards Gift endpoints (Job 114430)	Nilusha Fernando	7/12/18
103	Change Orders endpoint to post reward \$ and gift redemptions. Add in discount type 4 (Reward Redemption Discount) -Job 114430	Nilusha Fernando	17/01/19
104	Custom Data added to product list and single product endpoints - Job 114882 2019.1 and Version 4 licensing required.	Mike Sutton	12/04/19
105	Changes to Free stock endpoint – 114655 in version 2019.2	Emma Girschik	1/7/19
106	Changes to add in Order posting of tax rates from web site when price includes tax	Emma Girschik	9/7/19
107	Changes to add points, reward and gift issue id when retrieving a person's reward account – Job 114982	Nilusha Fernando	11/7/19
108	Add ExpectedDeliveryDate to Orders endpoint – 115191	Nilusha Fernando	12/10/19
109	Add Zip payments information to Order Details – Job 114942	San Mathew	16/10/19
110	Add VoucherGateway to Order endpoint – Job 115136	Thida Zaw	22/01/20
111	Sized endpoint updated to include a new filter to optionally include sizes for items out of stock (previously always included) - Job 115896	Emma Girschik	30/3/20
112	Add Docket Number and Program Id to Person endpoint – Job 115851	Thida Zaw	26/05/20
113	Add a new endpoint for Custom Data Template and Custom Data to Person endpoint – Job 114928	Thida Zaw	26/05/20
114	Add style code as a parameter to Product details and ProductsSimple endpoints – Job 115785	Nilusha Fernando	15/16/20
115	Add Currency, ForeignSpend and ForeignCurrency as responses to Rewards Program, Account and Transactions endpoints – Job 115886	Thida Zaw	13/08/20
116	Orders > Returns endpoint – add option to NOT update stock for the returned item. Triggers immediate refund of the order and a stock adjustment for the stock not being sent back. Job 115838 in version 2020.3	Emma Girschik	1/10/20
117	Add support for posting Adyen credit card and wallet payments – Job 115771	Nilusha Fernando	16/11/20

118	Add in GET Orders new element to read Barcode of product – for read purposes only – job 116373	Emma Girschik	8/12/20
119	Add a new endpoint for getting Product Custom Data Templates – job 116486	Thida Zaw	16/12/2020
120	Add a new endpoint for getting product colour reference types and add in GET Products new request parameter for product colour reference values – job 116469	Thida Zaw	16/12/2020
121	Add in GET Products new request parameter for image URLs – job 116467	Thida Zaw	16/12/2020
122	Add a new endpoint for getting valid freight options from Web Freight Options GIT – job 116508	Thida Zaw	16/12/2020
123	Add in GET Orders new request parameter updatedAfter to only show orders with recent changes – job 116468	Thida Zaw	16/12/2020
124	Products – Colours – add in clarity about Colour Type set up	Emma Girschik	12/5/21
125	New Voucher end point error added (error code 5219) for enquiry or validation of voucher that has a different currency to the web store currency – introduced in version 2021.2 of Apparel21	Emma Girschik	17/05/21
126	New error code for Order posting when have variable base currencies, nominating despatch warehouse and not using “omni channel” feature – job 116664 – version 2021.2 new option.	Emma Girschik	21/06/21
127	Add a new endpoint for getting future prices of products – job 116740	Thida Zaw	20/07/21
128	Add a new endpoint to return free stock (SOH) of all available styles filtered through the product export of the web store – job 116791	Thida Zaw	20/07/21
129	Allow posting of a "non returnable" status on new order items - show status in Web sales monitor screens and GET orders – job 116830	Thida Zaw	20/07/21
130	Allow passing a Partner Order Id via order POST and retrieve id via GET orders end points – job 117018	Nilusha Fernando	10/09/21

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3 INTRODUCTION

The Apparel²¹ Retail Application Programming Interface (API) is an interface which provides interaction with the Apparel²¹ system for the purpose of online shopping and enquiries.

It is used by website developers implementing E-tailing applications which interact with Apparel²¹ resources.

Use of this API requires the purchase of an Apparel²¹ Retail API license by the retailer. See [Further Assistance for contacting Apparel²¹](#).

1.1 AUDIENCE

This guide is intended for developers who are building web-enabled applications that retrieve information from and update details to Apparel²¹.

This guide will also be used by the retailer who is expected to be the first point of contact for enquiries from developers. Many of the data fields and values used in relation to the API will be dependent upon configurations specific to that retailer.

1.2 REQUIRED KNOWLEDGE AND SKILLS

Use of this guide assumes

- Familiarity with XML
- Basic understanding of web services
- Knowledge of a programming language for developing a web service
- An understanding of retail commerce systems and payment gateways
- Familiarity with the apparel industry.

1.3 ARCHITECTURE

The API is a web service using the REST (Representational State Transfer) architectural style. The following verbs are used

- GET
- PUT
- POST

The DELETE function is not used in this API.

The payload for all requests and responses is in XML.

1.4 API VERSIONS AND UPDATES

From time to time new versions of the API will be released to provide new or modified functionality.

In the 'details' section for each resource, the "HTTP header Accept:Version_" column shows when an element was introduced to the payload. If a version other than 1 is required it must be requested in the accept header of the call.

To check the Retail API version and payload version supported by an installed API, access the root page of the endpoint.

Retail API

You are connected to the Apparel21 Retail API (C) 2018

Retail API Release **2018**.

Database Connection Details

Apparel21 Database Name **INTL**

Apparel21 Database Schema **DOC**

Database connection is available, and the database is version **2018**

Apparel21 client DLL version is **2**

Supported payload versions:

1.0

2.0

3.0

Minor version changes will be released for non-breaking changes such as introducing new elements or attributes. Developers should ignore new elements in the payload (if they are not required) and be aware that elements may not remain in a particular order although they will remain at the same level in the XML hierarchy.

Major version changes can also be applied to changed behaviour like the automatic removal of data if not supplied. i.e. In one version it may not be removed when not supplied but in another version it may be removed.

Major version changes have the potential to introduce changes which break the client's software. For example if a new element (or attribute for an existing element) is required on submit payloads, like a PUT call, this would be a breaking change. All changes are documented in the *Retail API Change Log*.

Before installing a new version of the API, the business must be aware of the possible impact and discuss it with the website developer.

1.5 ASSUMPTIONS / CONSTRAINTS

1. "Click and collect" and "Ship from store" – these features are NOT standard in Apparel21 – if you want to use these, there is additional configuration with associated fees. Contact Sales and CRM team to discuss further.
2. A single currency applies to all transactions for a single "web store"
3. For order fulfilment from warehouse – one warehouse for one web store
4. Apparel²¹ POS is integrated with Temando interface and allows seamless integration with carries to retrieve consignment note numbers and print delivery labels.
5. In-store generated Credit Notes cannot be redeemed via *Retail API*

6. If orders are posted with 'pre-authorised' payment details, it is not possible to update the payment details with the final payment transaction Id. Refunds for these transactions will not be able to be processed through Apparel²¹ *Mail Order* or in store using "authorisation" number.
7. Each order can only be delivered to one person / location, including gift voucher purchases. Where purchasing multiple vouchers, each voucher will be delivered to the same location.
8. Order confirmation email to the customer assumed to be generated from web system. Apparel²¹ does not supply confirmation email.
9. Despatch confirmation emails can be supplied by Apparel²¹ using Mailer module (optional) or alternatively, use Supply Master to provide this information.
10. Apparel²¹ does supply gift voucher email. Gift voucher purchase email from web site NOT supported.
11. Apparel²¹ generates customer email for pick up in store packing confirmation. Web site email NOT supported for this task.
12. All elements posted must start with a capital letter. E.g. <Name> is valid but <name> is NOT valid
13. Website can supply own order reference but it MUST be unique for each new order.
14. Email address must be unique within a brand or division. Person is identified in the Retail API via email address, brand/division combination.
15. Click and collect (buy online pick up in store) and despatch from store orders must be FULLY paid at time of order and NOT at time of pick up.
16. Orders containing gift vouchers MUST be fulfilled by the warehouse. They cannot be submitted as 'Click and Collect' or 'Despatch from store' orders.
17. Online returns are supported as long as returned to warehouse – does not cater for "pick up in store" or "Despatch from store" returns. These returns should be done in store rather than online.

1.6 DEFINITION OF TERMS

Acronym or Term	Description
API	Application Programming Interface A set of routines, protocols, and tools for building software applications.
Customer	Same as online shopper. A consumer who directly buys goods from a seller in real-time.
Generic Interface Translation	This is a function provided in Apparel ²¹ to enhance the configuration options, allowing businesses to customise their system.
GIT	See Generic Interface Translation
Id	Id refers to a system generated unique number for an object.
Online shopper	A consumer who directly buys goods from a seller in real-time.

Person	A term used within Apparel ²¹ to store details for an online shopper.
Product	A garment (piece of clothing), or accessory (bag, shoe, etc). A product can have more than one colour and/or size, but is still considered a single product record in Apparel ²¹ .
Reference Code	Reference Codes are assigned to a Reference Group. These are customisable by client. E.g. Pants, Jackets, Skirts
Reference Group	Reference Groups in Apparel ²¹ are various attributes used to describe products and other business entities at a higher level. E.g. Product Type
Reference Type	See Reference Group. E.g. Product Type
Retailer	A business utilising the Apparel ²¹ application for its retail operations.
Shopping Cart	A virtual shopping basket where items are 'stored' while browsing an online catalogue.
SKU	Stock Keeping Unit. The lowest level of representation of a product to size and colour detail if applicable.
Style	See Product.

1.7 FURTHER ASSISTANCE

If further information is required contact the Apparel²¹ Support Centre

Phone +613 8415 9393

Email Helpdesk@Apparel21.com

Website www.Apparel21.com

4 MINIMUM REQUIREMENTS

1.8 APPAREL²¹ SOFTWARE

The minimum version of Apparel²¹ software required to use the *Retail API* is 2011.1

Refer to the section [API Version](#) to ensure you are using the correct documentation for the Apparel²¹ version.

Use of the API also requires the *Mail Order* and *Retail* modules to be licensed and setup. An additional warehouse license may also be required. Contact your Apparel²¹ consultant for further advice on these requirements.

1.9 SYSTEMS

- 32 or 64 bit operating system
- Windows IIS v7 – configured to host MVC
- .Net 3.5 minimum - If installing .Net4 make sure .Net3.5 has been installed first
- Oracle client connectivity must be available to both the TEST and LIVE schemas

1.10 SERVICES

The Apparel²¹ *Retail API* must be installed and configured. Refer to separate documentation for the installation and configuration of the API.

Apparel²¹ consultants will liaise with their customers to establish the configurations for Apparel²¹. They will set up and configure 'test' and 'live' systems for use with the API and provide the information required for the API configuration settings.

5 SANDBOX

All URI's referenced in this document are able to access the sandbox using the base

<https://retailapi.apparel21.com/RetailAPI>

Log in to the secure web server using the following credentials

Username	bassapi
Password	RedWider8642

6 OVERVIEW

The Apparel²¹ Retail API provides resources to support online shopping and enquiries.

The API caters for a single currency but allows 'pricing customers' to be set up to cater for shoppers that are not required to pay tax on goods purchased.

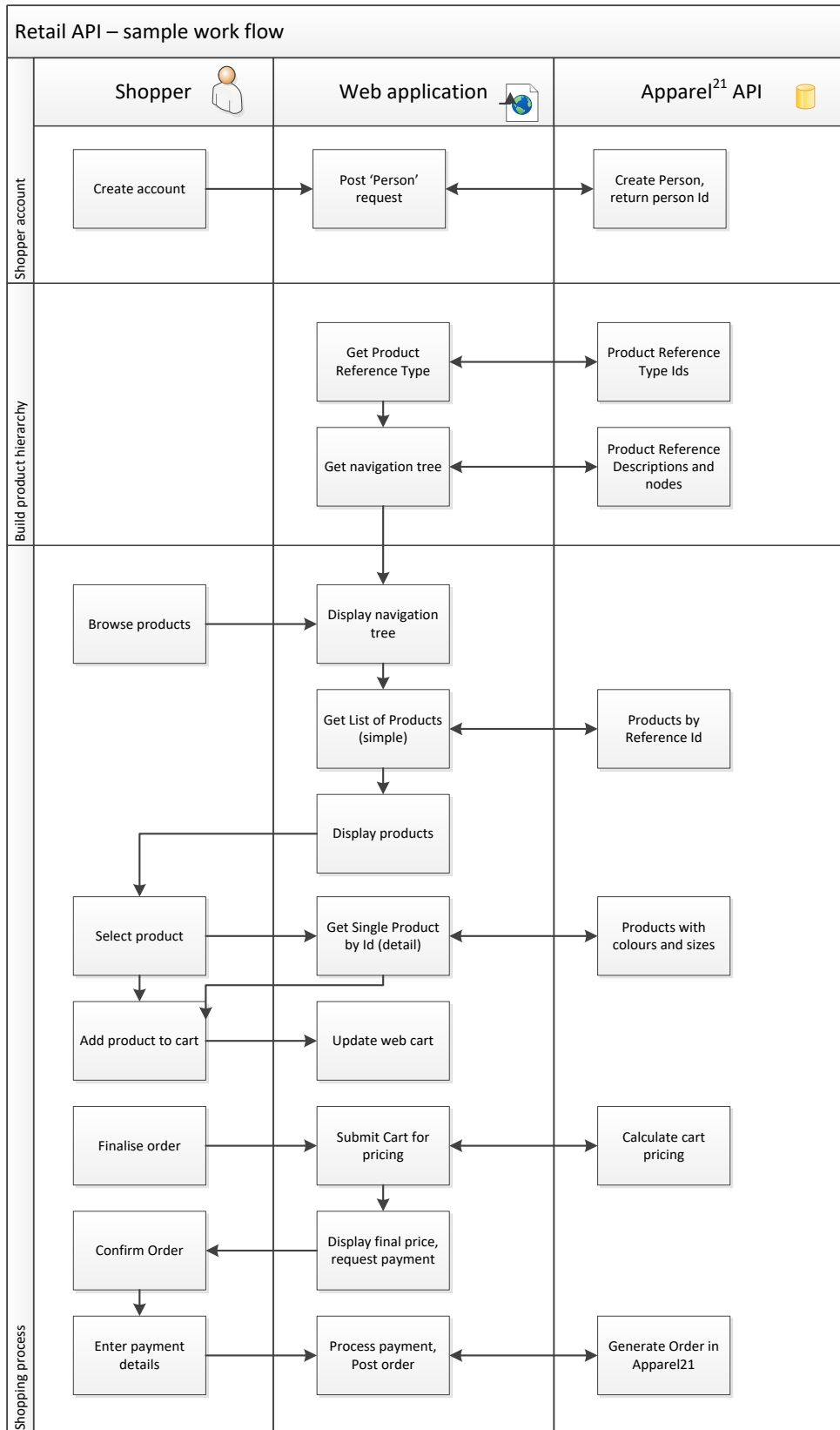
The included resources are:

- look up existing **shopper** details, including **loyalties**
- create new **shopper**
- navigation tree hierarchy - **product references** to display a navigation tree
- **product** information - **colour and size** information
- **stock** information by store
- **store** information. E.g. address details
- **shopping cart** to get latest prices, promotions and freight as defined in the Apparel²¹ system
- create new **orders** – shopper, products, payment details, despatch from warehouse, despatch from store or pick up in store
- create new **returns / exchange orders**
- **gift voucher** selling
- **gift voucher** redemption
- look up **sales history for shopper, including all store transactions as well as web sales**

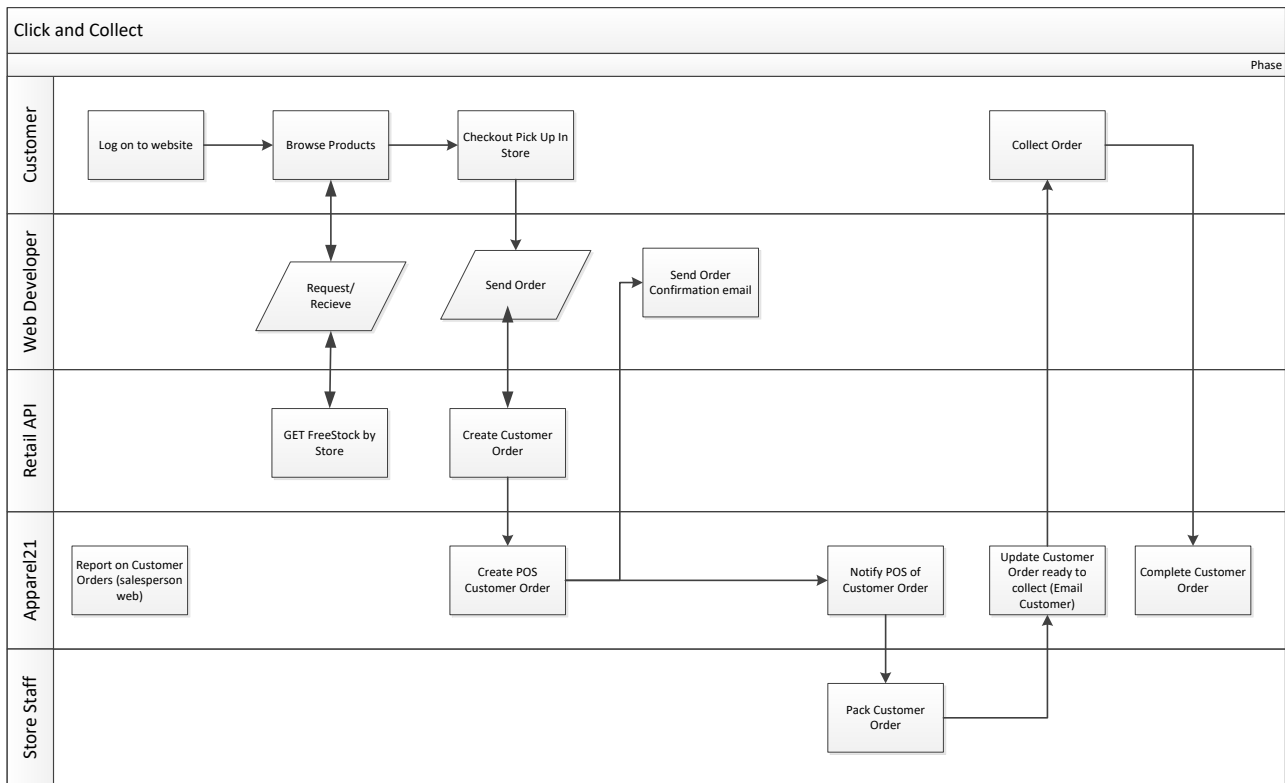
As Apparel²¹ is extensively customisable and configurable, terminology and descriptions will change depending on how clients have implemented Apparel²¹.

1.11 SAMPLE WORK FLOW

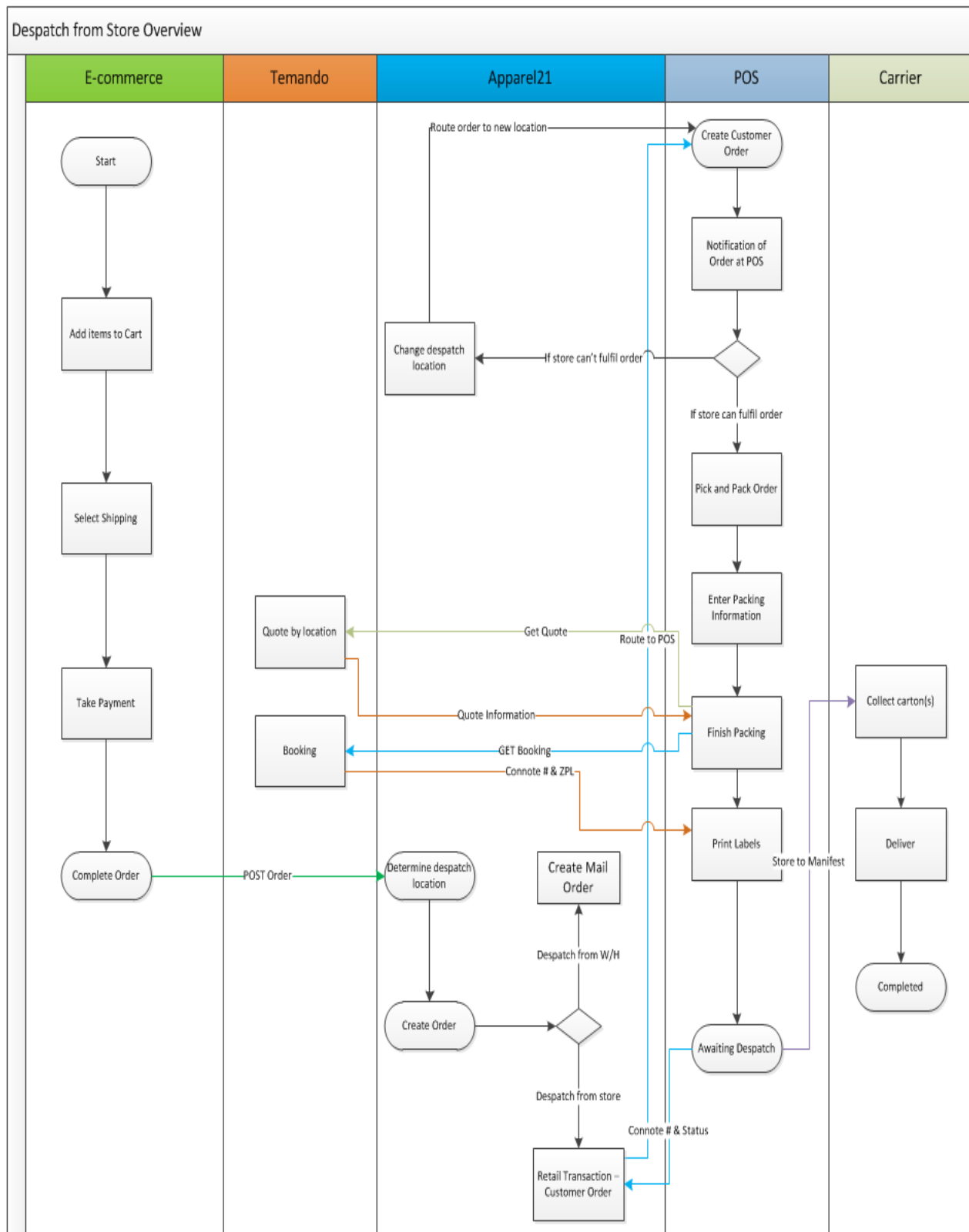
1.11.1 BUY ONLINE AND DESPATCH FROM WAREHOUSE



1.11.2 BUY ONLINE AND PICK UP IN STORE (CLICK AND COLLECT)



1.11.3 BUY ONLINE AND DESPATCH FROM STORE – TEMANDO INTEGRATION



1.12 USE OF IDS

Apparel²¹ product codes and other business elements can be modified. Therefore rather than using “product code” or “return reason code” as a method of communicating between the web and Apparel²¹ databases, it is preferable to communicate data using unchanging Ids.

Some items, such as products will have a Code AND an Id.

- Code - user friendly product code used by the business to represent the item. Used for verbal communications.
- Id – system generated unchanging unique number. Not user friendly.

Where the document refers to Id, it is referring to the number.

e.g Product id 12345 code DRES0001 and description STRIPED MAXI DRESS

1.13 API CALLS

A standard API call is formed by three parts

Request part	Notes
1. URL with parameters	Country code is mandatory parameter for all calls to the API. Country code controls pricing and tax rates. Country code maps to a setting in Apparel ²¹ back office.
2. HTTP headers <ul style="list-style-type: none">• “Content-type:text/xml” for GET, POST and PUT• “Accept:version_x”	The payload version required should be included in the request header (Accept:version_2.0). If not supplied, only version 1 elements apply.
3. XML payload body (for PUT and POST, not for GET)	

Examples for Create a person

1 HTTP POST Request

<http://retailapi.apparel21.com/RetailAPI/Persons/?countryCode=AU>

2 HTTP POST Request HTTP header

Content-type: text/xml

Accept:version_2.0

3 HTTP POST Request XML payload body


```

<Person>
  <Title>Mr</Title>
  <Firstname>John</Firstname>
  <Surname>Hill</Surname>
  <Sex>M</Sex>
  <References>
    <Reference>
      <ReferenceTypeId>373</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>1781</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>1782</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>1801</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>1501</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>27</ReferenceTypeId>
      <Id />
    </Reference>
  </References>
  <Addresses>
    <Billing>
      <ContactName />
      <AddressLine1>101 Cremorne St</AddressLine1>
      <AddressLine2 />
      <City>CREMORNE</City>
      <State>VIC</State>
      <Postcode>3121</Postcode>
      <Country>AUSTRALIA</Country>
    </Billing>
  </Addresses>
</Person>

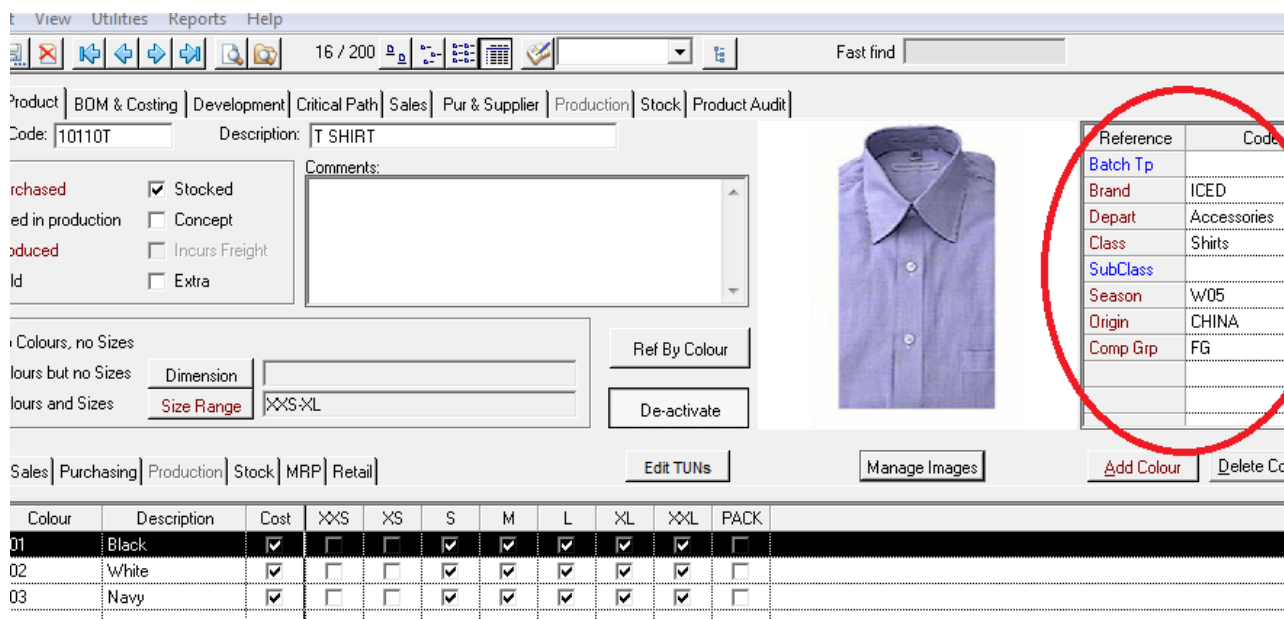
```

7 REFERENCES

Reference Groups in Apparel²¹ are various attributes used to describe products and other business entities at a higher level.

Product Reference Groups are used to enable the grouping of products into similar categories and are able to be queried by the API. Product Reference details can be retrieved by the API to determine the order or hierarchy in which the products are displayed or grouped.

These are customisable by client. Examples of some product references are shown below.



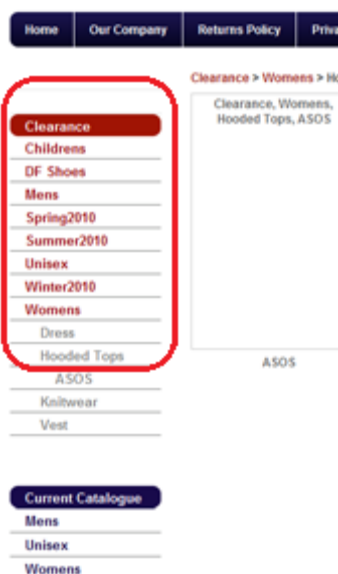
The screenshot shows the Apparel21 software interface. The top menu bar includes 'View', 'Utilities', 'Reports', and 'Help'. Below the menu, there are tabs for 'Product', 'BDM & Costing', 'Development', 'Critical Path', 'Sales', 'Pur & Supplier', 'Production', 'Stock', and 'Product Audit'. The 'Product' tab is active, showing details for a T-shirt with Code '10110T' and Description 'T SHIRT'. A red circle highlights the 'Reference' table on the right side of the screen, which lists various attributes and their corresponding codes.

Reference	Code
Batch Tp	
Brand	ICED
Depart	Accessories
Class	Shirts
SubClass	
Season	W05
Origin	CHINA
Comp Grp	FG

As depicted above, *Brand*, *Department*, *Class*, etc. are setup as **reference groups**. They are referred to in the API as **reference types**.

The corresponding codes *ICED*, *Accessories*, *Shirts* are **reference codes**.

For a client site, these reference groups can be selected to control navigation as shown in the section [Navigation Tree](#).



Reference Groups are also used for other fields in Apparel²¹.

- Return reasons

The API has several resources to obtain Reference details depending on the information required.

Reference Types	<p>This resource will list all Reference Types in Apparel²¹. The payload can be used to obtain the Id of a Reference Type to enable the values for that reference Type to be listed.</p> <p>E.g. Product Department</p>
References	<p>This resource requires a Reference Type Id and optionally a Reference Code to be entered. The payload will list all valid Reference Types that are children of the Reference Type.</p> <p>E.g. Shoes, Jackets, Pants are References within “Product Department” reference type.</p>
Product Reference Types	<p>Lists the Reference Types specific to ‘Products’.</p> <p>E.g. “Product Department”, “Season”</p>
Product Colour Reference Codes	<p>Lists Product Colour Reference Codes. These are the references that exist at the product / colour level. These references are NOT available as part of the navigation tree or standard product extract due to payload size considerations.</p> <p>This extract is suited to those businesses that extract all information on a daily / weekly basis and organise the navigation with the web application.</p>

1.14 REFERENCE DETAILS

1.14.1 REFERENCE TYPES

Field	Format	Max Length	Comment	Example	GET response		HTTP Header Accept: Version
					Reference Types	References	
ReferenceTypes							
ReferenceType			ReferenceType is a sub-element of ReferenceTypes				
Id	Integer	22	This is the unique identifier of the reference type	1221	Yes		1.0
Code	Alpha	8	Code for this reference type	Season	Yes		1.0
Name	Alpha	40	Extended description of reference type	Season	Yes		1.0
References							
ReferencesByType			ReferencesByType is a sub-element of References				
ReferenceTypeId	Integer	22	The Id entered in the request parameter	1221		Yes	1.0
ReferenceTypeCode	Alpha	8	Code for this reference type	Season		Yes	1.0
ReferenceTypeName	Alpha	40	Extended description of reference type	Season		Yes	1.0
Reference			Reference is a sub-element of References				
ReferenceTypeId	Integer	22	The Id entered in the request parameter	1221		Yes	1.0
Id	Integer	22	The Id entered in the request parameter	4884		Yes	1.0
Code	Alpha	8	Code for this reference type	Autumn		Yes	1.0
Name	Alpha	40	Extended description of reference type	Autumn		Yes	1.0

1.14.2 PRODUCT REFERENCE TYPES

Field	Format	Max Length	Comment	Example	GET Response	HTTP Header Accept: Version
Id	Integer	22	This Id describes which object the list of reference groups refers to. For products the value is 1.	1	Yes	1.0
Name	Alpha	30	Name of object	Style	Yes	1.0

ReferenceTypes			Reference Types is a sub-element of ProductReferenceTypes			
Sequence	Integer	22	Sequence of the reference type within the hierarchy	1	Yes	1.0
ReferenceTypeId	Integer	22	Unique Id for this reference type	257	Yes	1.0
Code	Alpha	8	Code for this reference type	Brand	Yes	1.0
Name	Alpha	40	Extended description of reference type	Product Brand	Yes	1.0

1.14.3 PRODUCT COLOURS REFERENCES

Field	Format	Max Length	Comment	Example	GET response	HTTP Header Accept:Version_
ProductColoursReferences						
ProductColourReference			ProductColourReference is a sub-element of ProductColoursReferences			
ClrId	Integer	22	The Id of a colour that relates to a particular style	1451	Yes	2.0
RowNumber	Integer	22	Consecutive number of the row returned in the response	28	Yes	2.0
References						
Reference			Reference is a sub-element of References			
ReferenceTypeId	Integer	22	Unique Id for the reference type set against the product colour	1221	Yes	2.0
Id	Alpha	8	The id assigned to the product colour reference type	4885	Yes	2.0

1.14.4 PERSON REFERENCES

Field	Format	Max Length	Comment	Example	GET response	HTTP Header Accept:Version_
PersonReferenceTypes						
Id	Integer	22	Id of the object for Person – fixed to 12	12	Yes	1.0
Name	Alpha	6	Name of the object – always “Person”	Person	Yes	1.0
ReferenceTypes						
Reference			Reference is a sub element of Reference Types			

Sequence	Integer	22	Sequence of this reference type within the hierarchy (can be up to 10)	2	Yes	1.0
ReferenceTypeId	Integer	22	Id of reference type	1261	Yes	1.0
Code	Alpha	15	Code of this reference type – user friendly	Pref	Yes	1.0
Name	Alpha	30	Longer name of this reference type – user friendly	Preferences	Yes	1.0

1.15 RETRIEVE REFERENCE TYPES

The Reference Type details are retrieved by submitting a **GET** to the following URI. All Reference Type Ids will be returned.

1.15.1 URI REQUEST FORMAT

/ReferenceTypes/{id}?countryCode={countryCode}

1.15.2 REQUEST PARAMETERS

Field	Required	Comment
Country Code	Mandatory	Country Code of shopper
Id	Optional	Id of Reference Type

1.15.3 EXAMPLE REQUEST

GET <https://retailapi.apparel21.com/RetailAPI/ReferenceTypes/?countryCode=AU>

Content-type: text/xml

Accept:version_2.0

1.15.4 EXAMPLE RESPONSE

```
<ReferenceTypes>
<ReferenceType>
<Id>1</Id>
<Code>Class</Code>
<Name>Product Class</Name>
</ReferenceType>
<ReferenceType>
<Id>211</Id>
<Code>CmplReas</Code>
<Name>Completed Reason</Name>
</ReferenceType>
<ReferenceType>
<Id>1969</Id>
<Code>Coil #</Code>
<Name>Coil Number</Name>
</ReferenceType>
<ReferenceType>
<Id>426</Id>
<Code>ColrType</Code>
<Name>Colour Type</Name>
</ReferenceType>
<ReferenceType>
<Id>100</Id>
<Code>Comments</Code>
<Name>Comments</Name>
</ReferenceType>
<ReferenceType>
<Id>2</Id>
<Code>Comp Grp</Code>
<Name>Component Group</Name>
</ReferenceType>
<ReferenceType>
<Id>22</Id>
<Code>Company</Code>
<Name>Company</Name>
</ReferenceType>
...etc...
</ReferenceTypes>
```

1.15.5 SUCCESS RESPONSE

HTTP Response		
200		

1.15.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		

1.16 RETRIEVE REFERENCE CODES

The reference codes for a particular Reference Type Id are retrieved by submitting a **GET** to the following URI.

1.16.1 URI REQUEST FORMAT

/References/{referencetypeid}/{refcodeid}?CountryCode={countryCode}

1.16.2 REQUEST PARAMETERS

Field	Required	Comment
Country Code	Mandatory	Country Code of shopper
ReferenceTypeId	Mandatory	Reference Type Id to be queried
Refcodeid	Optional	Reference Code Id

1.16.3 EXAMPLE REQUEST

GET <https://retailapi.apparel21.com/RetailAPI/References/1?countryCode=AU>

Content-type: text/xml

Accept:version_2.0

1.16.4 EXAMPLE RESPONSE

```
<ReferencesbyType>
  <ReferenceTypeId>1</ReferenceTypeId>
  <ReferenceTypeCode>Class</ReferenceTypeCode>
  <ReferenceTypeName>Product Class</ReferenceTypeName>
  <References Type="Array">
    <Reference>
      <ReferenceTypeId>1</ReferenceTypeId>
      <Id>2368</Id>
      <Code>Accessories</Code>
      <Name>Accessories</Name>
    </Reference>
    <Reference>
      <ReferenceTypeId>1</ReferenceTypeId>
      <Id>6723</Id>
      <Code>Belts</Code>
      <Name>Belts</Name>
    </Reference>
    <Reference>
      <ReferenceTypeId>1</ReferenceTypeId>
      <Id>2797</Id>
      <Code>Dresses</Code>
    </Reference>
  </References>
</ReferencesbyType>
```



```

<Name>Dresses</Name>
</Reference>
...etc...
</References>
</ReferencesbyType>

```

1.16.5 SUCCESS RESPONSE

HTTP Response		
200		

1.16.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		

1.17 RETRIEVE PRODUCT REFERENCE TYPES

The Reference Type details for products are retrieved by submitting a **GET** to the following URI. The Ids returned will be used to retrieve the product navigation tree.

1.17.1 URI REQUEST FORMAT

/ProductReferenceTypes?countryCode={countryCode}

1.17.2 REQUEST PARAMETERS

Field	Required	Comment
Country Code	Mandatory	Country Code of shopper
ExtendedRefs	Optional	"True" to return all product references (not just style references) can be up to 20.

1.17.3 EXAMPLE REQUEST

GET

<https://retailapi.apparel21.com/RetailAPI/ProductReferenceTypes?countryCode=AU&ExtendedRefs=true>

Content-type: text/xml

Accept:version_2.0

1.17.4 EXAMPLE RESPONSE

```

<ProductReferenceTypes xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Id>99</Id>
  <Name>Product</Name>
  <ReferenceTypes Type="Array">
    <Reference>
      <Sequence>1</Sequence>
      <ReferenceTypeId>257</ReferenceTypeId>
      <Code>Range</Code>
      <Name>Product Range</Name>
    </Reference>
    <Reference>

```

```

    <Sequence>2</Sequence>
    <ReferenceTypeId>1021</ReferenceTypeId>
    <Code>Season</Code>
    <Name>Product Season</Name>
  </Reference>
  <Reference>
    <Sequence>3</Sequence>
    <ReferenceTypeId>1</ReferenceTypeId>
    <Code>Prod Grp</Code>
    <Name>Product Group</Name>
  </Reference>
  <Reference>
    <Sequence>4</Sequence>
    <ReferenceTypeId>1201</ReferenceTypeId>
    <Code>StockTyp</Code>
    <Name>Stock Type</Name>
  </Reference>
  <Reference>
    <Sequence>5</Sequence>
    <ReferenceTypeId>258</ReferenceTypeId>
    <Code>Label</Code>
    <Name>Product Label</Name>
  </Reference>
  <Reference>
    <Sequence>6</Sequence>
    <ReferenceTypeId>1621</ReferenceTypeId>
    <Code>COrigin</Code>
    <Name>Country of Origin</Name>
  </Reference>
  <Reference>
    <Sequence>7</Sequence>
    <ReferenceTypeId>315</ReferenceTypeId>
    <Code>Batch Tp</Code>
    <Name>Batch Type</Name>
  </Reference>
  <Reference>
    <Sequence>11</Sequence>
    <ReferenceTypeId>2</ReferenceTypeId>
    <Code>Comp Grp</Code>
    <Name>Component Group</Name>
  </Reference>
  <Reference>
    <Sequence>13</Sequence>
    <ReferenceTypeId>19</ReferenceTypeId>
    <Code>Story</Code>
    <Name>Story</Name>
  </Reference>
</ReferenceTypes>
</ProductReferenceTypes>

```

1.17.5 SUCCESS RESPONSE

HTTP Response		
200		

1.17.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		

1.18 RETRIEVE PRODUCT COLOUR REFERENCE CODES

The Product Colour Reference Codes are retrieved by submitting a **GET** to the following URI.

1.18.1 URI REQUEST FORMAT

/ProductColourReferences?countryCode={countryCode}

1.18.2 REQUEST PARAMETERS

Field	Required	Comment
Country Code	Mandatory	Country Code of shopper

1.18.3 EXAMPLE REQUEST

GET <https://retailapi.apparel21.com/RetailAPI/ProductColourReferences?countryCode=AU>

Content-type: text/xml

Accept:version_2.0

1.18.4 EXAMPLE RESPONSE

```
<ProductColoursReferences>
  <ProductColourReference>
    <ClrId>2443</ClrId>
    <RowNumber>1</RowNumber>
    <References Type="Array">
      <Reference>
        <ReferenceTypeId>1168</ReferenceTypeId>
      </Reference>
    </References>
  </ProductColourReference>
  <ProductColourReference>
    <ClrId>2444</ClrId>
    <RowNumber>2</RowNumber>
    <References Type="Array">
      <Reference>
        <ReferenceTypeId>1168</ReferenceTypeId>
      </Reference>
    </References>
  </ProductColourReference>
  <ProductColourReference>
    <ClrId>2802</ClrId>
    <RowNumber>3</RowNumber>
    <References Type="Array">
      <Reference>
        <ReferenceTypeId>1168</ReferenceTypeId>
      </Reference>
    </References>
  </ProductColourReference>
  <ProductColourReference>
    <ClrId>3804</ClrId>
    <RowNumber>4</RowNumber>
    <References Type="Array">
      <Reference>
        <ReferenceTypeId>1168</ReferenceTypeId>
      </Reference>
    </References>
  </ProductColourReference>
  <ProductColourReference>
    <ClrId>3863</ClrId>
    ...etc....
  </ProductColourReference>
</ProductColoursReferences>
```

1.18.5 SUCCESS RESPONSE

HTTP Response		
200		

1.18.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		

1.19 RETRIEVE PRODUCT COLOUR REFERENCE CODES FOR A SINGLE PRODUCT COLOUR

The Product Colours References are retrieved by submitting a **GET** to the following URI.

1.19.1 URI REQUEST FORMAT

/ProductColourReferences/clrid/?countryCode={countryCode}

1.19.2 REQUEST PARAMETERS

Field	Required	Comment
Country Code	Mandatory	Country Code of shopper
Clrid	Mandatory	Unique Id of the style / colour

1.19.3 EXAMPLE REQUEST

GET <https://retailapi.apparel21.com/RetailAPI/ProductColourReferences/1002?countryCode=AU>

Content-type: text/xml

Accept:version_2.0

1.19.4 EXAMPLE RESPONSE

```
<ProductColourReferences>
  <Clrid>1002</Clrid>
  <RowNumber>1</RowNumber>
  <References Type="Array">
    <Reference>
      <ReferenceTypeId>1002</ReferenceTypeId>
      <Id />
    </Reference>
  </References>
</ProductColourReferences>
```

1.19.5 SUCCESS RESPONSE

HTTP Response		
200		

1.19.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		

1.20 RETRIEVE PERSON REFERENCE CODES

The Person References are retrieved by submitting a **GET** to the following URI.

1.20.1 URI REQUEST FORMAT

/PersonReferenceTypes/?countryCode={countryCode}

1.20.2 REQUEST PARAMETERS

Field	Required	Comment
CountryCode	Mandatory	Country Code of shopper

1.20.3 EXAMPLE REQUEST

GET <https://retailapi.apparel21.com/RetailAPI/PersonReferenceTypes?countryCode=AU>

Content-type: text/xml

Accept:version_2.0

1.20.4 EXAMPLE RESPONSE

```
<Id>12</Id>
<Name>Person</Name>
<ReferenceTypes Type="Array">
  <Reference>
    <Sequence>1</Sequence>
    <ReferenceTypeId>1281</ReferenceTypeId>
    <Code>SType</Code>
    <Name>Store Type</Name>
  </Reference>
  <Reference>
    <Sequence>2</Sequence>
    <ReferenceTypeId>1321</ReferenceTypeId>
    <Code>PerType</Code>
    <Name>Person Type</Name>
  </Reference>
  <Reference>
    <Sequence>3</Sequence>
    <ReferenceTypeId>1361</ReferenceTypeId>
    <Code>AgeGrp</Code>
    <Name>Age Group</Name>
  </Reference>
  <Reference>
    <Sequence>4</Sequence>
    <ReferenceTypeId>361</ReferenceTypeId>
    <Code>State</Code>
    <Name>State</Name>
  </Reference>
  <Reference>
    <Sequence>5</Sequence>
    <ReferenceTypeId>27</ReferenceTypeId>
    <Code>SalesRep</Code>
    <Name>Sales Rep</Name>
  </Reference>
</ReferenceTypes>
</PersonReferenceTypes>
```

1.20.5 SUCCESS RESPONSE

HTTP Response		
200		

1.20.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		

8 NAVIGATION TREE

This resource provides a tree of product references which can be used to construct a navigation path for finding products. The structure and levels of the tree is defined by the query providing the product reference types to navigate by. Up to 5 levels can be requested.

Refer to [Product References](#) for further detail.

1.21 NAVIGATION TREE DETAILS

Each reference tree consists of up to 5 levels of nodes. The following is a description of fields for one level.

Field	Format	Max Length	Comment	Example	GET Response	HTTP Header Accept:Version_
Level	Integer	1	Level of Node	2	Yes	1.0
NodeId	Integer	22	Unique Id for node. This is useful for storing the nodes in a browser object.	2	Yes	1.0
ReferenceTypeId	Integer	22	Id of the refence type	257	Yes	1.0
ReferenceId	Integer	22	Id of reference. A reference is an instance of a reference type.	6326	Yes	1.0
ReferenceCode	Alpha	15	Reference Code	Mens	Yes	1.0
ReferenceName	Alpha	40	Reference Name	Mens	Yes	1.0
ProductQuery	Alpha	250	A string which is used as query parameter to the the products resource to get a list of products satisfying this node. Format is <i>sequence,reference code index:sequence,reference code index</i> Sequence = reference position on the product Reference code index = unique identifier for reference code, e.g. 12345 = Womens	1,2405:2,6326	Yes	1.0
ProductQueryNames	Alpha	250	Description of the references building up this node.	Commune, Mens	Yes	1.0
LevelProductQuery	Alpha	250	Product query string for this level only.	2,6326	Yes	1.0

RETRIEVE NAVIGATION TREE

Perform a **GET** on the following URI to detect the product reference (navigation) tree types available from the Apparel²¹ installation. The parameter values for levels are the reference type ids as retrieved previously. Typically these would be stored in a configuration file at the website provider.

1.21.1 URI REQUEST FORMAT

ReferenceTree?countryCode={countryCode}&level1={id1}&level2={id2}&level3={id3}&level4={id4}&level5={id5}

1.21.2 REQUEST PARAMETERS

Field	Required	Comment
Country Code	Mandatory	Country Code of shopper
Level 1	Mandatory	ReferenceTypeId of the first level of hierarchy
Level 2	Optional	ReferenceTypeId of the second level of hierarchy
Level 3	Optional	ReferenceTypeId of the third level of hierarchy
Level 4	Optional	ReferenceTypeId of the fourth level of hierarchy
Level 5	Optional	ReferenceTypeId of the fifth level of hierarchy

1.21.3 EXAMPLE REQUEST

For this example we will use SubBrand, Division and Product Group in the navigation tree.

GET

<https://retailapi.apparel21.com/RetailAPI/ReferenceTree?countrycode=AU&level1=1041&level2=1004&level3=1>

Content-type: text/xml

Accept:version_2.0

1.21.4 EXAMPLE RESPONSE

```
<ReferenceTree>
  <Reference>
    <Level>1</Level>
    <NodeId>1</NodeId>
    <ReferenceTypeId>258</ReferenceTypeId>
    <ReferenceId>10991</ReferenceId>
    <ReferenceCode>BONZ</ReferenceCode>
    <ReferenceName>Bonez Streetwear</ReferenceName>
    <ProductQuery>1,10991</ProductQuery>
    <ProductQueryNames>Bonez Streetwear</ProductQueryNames>
    <LevelProductQuery>1,10991</LevelProductQuery>
    <Children>
      <Reference>
        <Level>2</Level>
        <NodeId>2</NodeId>
```



```

<ReferenceTypeId>257</ReferenceTypeId>
<ReferenceId>6326</ReferenceId>
<ReferenceCode>Mens</ReferenceCode>
<ReferenceName>Mens</ReferenceName>
<ProductQuery>1,10991:2,6326</ProductQuery>
<ProductQueryNames>Bonez Streetwear, Mens</ProductQueryNames>
<LevelProductQuery>2,6326</LevelProductQuery>
  <Children>
    <Reference>
      <Level>3</Level>
      <NodeId>3</NodeId>
      <ReferenceTypeId>1</ReferenceTypeId>
      <ReferenceId>2797</ReferenceId>
      <ReferenceCode>Dresses</ReferenceCode>
      <ReferenceName>Dresses</ReferenceName>
      <ProductQuery>1,10991:2,6326:3,2797</ProductQuery>
      <ProductQueryNames>Bonez Streetwear, Mens, Dresses</ProductQueryNames>
      <LevelProductQuery>3,2797</LevelProductQuery>
    <Children />
    </Reference>
  </Children>
  </Reference>
<Reference>
  <Level>2</Level>
  <NodeId>4</NodeId>
  <ReferenceTypeId>257</ReferenceTypeId>
  <ReferenceId>5063</ReferenceId>
  <ReferenceCode>Women</ReferenceCode>
  <ReferenceName>Womens</ReferenceName>
  <ProductQuery>1,10991:2,5063</ProductQuery>
  <ProductQueryNames>Bonez Streetwear, Womens</ProductQueryNames>
  <LevelProductQuery>2,5063</LevelProductQuery>
  <Children>
    <Reference>
      <Level>3</Level>
      <NodeId>5</NodeId>
      <ReferenceTypeId>1</ReferenceTypeId>
      <ReferenceId>2364</ReferenceId>
      <ReferenceCode>Jackets</ReferenceCode>
      <ReferenceName>Jackets</ReferenceName>
      <ProductQuery>1,10991:2,5063:3,2364</ProductQuery>
      <ProductQueryNames>Bonez Streetwear, Womens , Jackets</ProductQueryNames>
      <LevelProductQuery>3,2364</LevelProductQuery>
    <Children />
    </Reference>
  </Children>
  </Reference>
<Reference>
  <Level>1</Level>
  <NodeId>6</NodeId>
  <ReferenceTypeId>258</ReferenceTypeId>
  <ReferenceId>2405</ReferenceId>
  <ReferenceCode>COMM</ReferenceCode>
  <ReferenceName>Commune</ReferenceName>
  <ProductQuery>1,2405</ProductQuery>
  <ProductQueryNames>Commune</ProductQueryNames>
  <LevelProductQuery>1,2405</LevelProductQuery>
  <Children>
    <Reference>
      <Level>2</Level>
      <NodeId>7</NodeId>
      <ReferenceTypeId>257</ReferenceTypeId>
      <ReferenceId>4060</ReferenceId>
      <ReferenceCode>Accessories</ReferenceCode>
      <ReferenceName>Accessories</ReferenceName>
      <ProductQuery>1,2405:2,4060</ProductQuery>
      <ProductQueryNames>Commune, Accessories</ProductQueryNames>
      <LevelProductQuery>2,4060</LevelProductQuery>
    <Children>
      <Reference>

```

```

<Level>3</Level>
<NodeId>8</NodeId>
<ReferenceTypeId>1</ReferenceTypeId>
<ReferenceId>2368</ReferenceId>
<ReferenceCode>Accessories</ReferenceCode>
<ReferenceName>Accessories</ReferenceName>
<ProductQuery>1,2405:2,4060:3,2368</ProductQuery>
<ProductQueryNames>Commune, Accessories, Accessories</ProductQueryNames>
<LevelProductQuery>3,2368</LevelProductQuery>
<Children />
  </Reference>
...etc....

```

When a user clicks on a particular node, the associated products can be retrieved via the **ProductQuery** elements.

```
<ProductQuery>1,2405:2,4060:3,2368</ProductQuery>
```

Note: Record details of this element will be used in the products endpoint.

1.21.5 SUCCESS RESPONSE

HTTP Response		
200		

1.21.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		

9 PRODUCTS

The API retrieves relevant product information necessary for the customer to browse products on the website. The detail includes

- Description
- Colour and size information
- Pricing
- Stock availability
- Barcodes
- Product Reference Code details

There are six different methods of obtaining product information.

The following resources construct product detail in three levels – product, colour and SKU – with pricing and stock availability.

List of products

Single product by Id

Products you might like

The following resources do not provide SKU level detail including stock availability.

Get list of products – simple

Single product by Id – simple

Product notes by Id

Product colour notes by colour Id

There may be many colours for a product and each colour is able to have up to 30 sizes (SKU).

Colour References

Products are sometimes grouped at the colour level using Colour References. A list of products with similar colour references can be obtained using the *Clr Id* on the Product detail and using the request listed in [Product Colours References](#).

With RetailAPI 2021 release, a new endpoint is added to get product colour reference types. A new request parameter is added to *List of products* and *Single product by Id* resources to return product colour references.

Pricing

By size, there are three price fields:

Price = Current price for today's date

OriginalPrice = Original price (price with no start or end date)

RetailPrice = Current price for today's date from price scheme set in Generic Interface Translation table for SALESNET_RRP. This may not be the same price scheme as the store.

Promotional pricing set up in Apparel²¹ *Retail Promotions* is only applied when the Cart is submitted.

The *Markdown Status* element and filter at the product / colour level can be used to see if the current price is a permanent or temporary markdown. This is useful for tagging products for a different area of the website. For example, permanent markdown product / colours can be moved to a “clearance” section of the website. Note: The item MUST have an “ORIGINAL” price for this to be effective. The Original price is the price with NO effective date range.

Custom Data

Available for RetailAPI 2019.1 and later.

Apparel21 has introduced Custom Data types that can be added to products. The new custom data allows businesses to further enrich the information about their products. As part of enriching data, the Retail API has been updated to allow web developers to retrieve the custom data to use within the web environment.

To utilise the new version 4 API functionality, the header of the call will need to be updated to specify ‘version 4’

content-type: text/xml

Accept: version_4.0

In order to make the new Custom Data available to web developers, and the extra information that businesses can add to their products, two product calls have been updated to retrieve the Custom Data.

Full product call

/Products?countryCode={countryCode}&CustomData=true

Single product call

/Products/{id}?countryCode={countryCode}&CustomData=true

With RetailAPI 2021 release, a new endpoint is added to return product custom data templates and attributes to know how custom data fields are defined.s

Image URL

With RetailAPI 2021 release, a new request parameter is added to *List of products* and *Single product by Id* resources to return image URLs at product and colour levels.

1.22 PRODUCT DETAILS

					GET responses							
Field	Format	Max Length	Comment	Example	List of Products	Single Product by Id	Products you might like	List of products - simple	Single product – simple	Product notes	Product colour notes	HTTP Header Accept: Version
Id	Integer	22	Id for the product	34053	Yes	Yes	Yes	Yes	Yes	Yes	No	1.0
RowNumber	Integer	22	The row number of this product for this query	27	Yes	Yes	Yes	Yes	Yes	No	No	1.0
Code	Alpha	10	The product code	EMC4	Yes	Yes	Yes	Yes	Yes	No	No	1.0
Name	Alpha	30	Description of product	Dririder Target Gloves	Yes	Yes	Yes	Yes	Yes	No	No	1.0
Description	Alpha	254	Comments specified for a product	Waterproof gloves to keep you dry	Yes	Yes	Yes	Yes	Yes	No	No	1.0
SizeRange	Alpha	30	Size range name – blank for non sized products	6-14	Yes	Yes	Yes	No	No	No	No	1.0
UpdateTimeStamp	Alpha	256	Date/time the last update was made to the product on the style table or the prices for that style changing for “today” (does not include stock quantity changes)	2010-08-30T11:33:09	Yes	Yes	No	Yes	Yes	No	No	2.0

					GET responses							
Field	Format	Max Length	Comment	Example	List of Products	Single Product by Id	Products you might like	List of products - simple	Single product – simple	Product notes	Product colour notes	HTTP Header Accept: Version
OriginalPriceFrom	Num(22,2)	22	Original lowest price of the product	79.95	No	No	No	Yes	Yes	No	No	1.0
PriceFrom	Num(22,2)	22	Current lowest price of the product	69.95	No	No	No	Yes	Yes	No	No	1.0
OriginalPriceTo	Num(22,2)	22	Original Highest price of the product	109.95	No	No	No	Yes	Yes	No	No	1.0
PriceTo	Num(22,2)	22	Current Highest price of the product	99.95	No	No	No	Yes	Yes	No	No	1.0
References			The list of reference Ids for this product.									
Reference			Reference is a sub-element of references.									
ReferenceTypeId	Integer	22	The reference type Id	257	Yes	Yes	Yes	No	No	No	No	1.0
Id	Integer	22	The reference Id of this reference type for this product	6326	Yes	Yes	Yes	No	No	No	No	1.0

					GET responses							
Field	Format	Max Length	Comment	Example	List of Products	Single Product by Id	Products you might like	List of products - simple	Single product – simple	Product notes	Product colour notes	HTTP Header Accept: Version
CustomData			List of Cards of Custom Data on product level		Yes	Yes	No	No	No	No	No	4.0
Cards	Alpha		Type="Array"		Yes	Yes	No	No	No	No	No	4.0
Card	Alpha		Name=""		Yes	Yes	No	No	No	No	No	4.0
Fields	Alpha		Type="Array"		Yes	Yes	No	No	No	No	No	4.0
Field	Alpha, Number, Boolean, Date		Name=""	Summer, 2134558, YES, 2019-03-30	Yes	Yes	No	No	No	No	No	4.0
ListValues	Alpha		Type="Array"		Yes	Yes	No	No	No	No	No	4.0
Value	Alpha, Number, Boolean, Date			Summer, 2134558, YES, 2019-03-30	Yes	Yes	No	No	No	No	No	4.0
Images			List of image URLs on product level Type="Array"		Yes	Yes	No	No	No	No	No	4.0

					GET responses							
Field	Format	Max Length	Comment	Example	List of Products	Single Product by Id	Products you might like	List of products - simple	Single product – simple	Product notes	Product colour notes	HTTP Header Accept: Version
Image	Alpha		Sub-element of Images		Yes	Yes	No	No	No	No	No	4.0
Sequence	Integer	22	Sequence Id of image in the array	1	Yes	Yes	No	No	No	No	No	4.0
TypeId	Integer	22	Reference Type Id	11804	Yes	Yes	No	No	No	No	No	4.0
TypeCode	Alpha	15	Code of Reference Type Id	WEB-02	Yes	Yes	No	No	No	No	No	4.0
Url	Alpha	1000	A web-based image URL	https://res.cloudinary.com/envimo/image/upload/v1501634857/101780-3820/0011/001/3.png	Yes	Yes	No	No	No	No	No	4.0
Clrs			The list of colours for this product									
Clr			Clr is a sub-element of Clrs									
Id	Integer	22	The Id for this colour for this product	542	Yes	Yes	Yes	No	No	No	Yes	1.0

					GET responses							
Field	Format	Max Length	Comment	Example	List of Products	Single Product by Id	Products you might like	List of products - simple	Single product – simple	Product notes	Product colour notes	HTTP Header Accept: Version
ProductId	Integer	22	The product Id which is the parent of this colour	34053	Yes	Yes	Yes	No	No	No	No	1.0
Sequence	Integer	22	The sequence of this colour within this product.	1	Yes	Yes	Yes	No	No	No	No	1.0
Code	Alpha	21	Colour code	Noir	Yes	Yes	Yes	No	No	No	No	1.0
Name	Alpha	61	Colour Name	Noir comme poix	Yes	Yes	Yes	No	No	No	No	1.0
TypeCode	Alpha	21	If reference group ColType / Colour Type (RGIDX = 426) is attached to the Colour object in Object Maintenance then this will extract the reference code applied to the colour I the colour table. If this reference group is NOT	BLK	Yes	Yes	Yes	No	No	No	No	1.0

					GET responses							
Field	Format	Max Length	Comment	Example	List of Products	Single Product by Id	Products you might like	List of products - simple	Single product – simple	Product notes	Product colour notes	HTTP Header Accept: Version
			attached to the colour object, then this will extract colour code. The purpose of grouping colours with a type could be useful for grouping the many unique representations of a colour for different products. E.g. Black, Nero, Noir, grouped under one reference code called Black.									
TypeName	Alpha	61	The global type name for this colour. See above explanation for code. This is the	Black	Yes	Yes	Yes	No	No	No	No	1.0

					GET responses							
Field	Format	Max Length	Comment	Example	List of Products	Single Product by Id	Products you might like	List of products - simple	Single product – simple	Product notes	Product colour notes	HTTP Header Accept: Version
			reference description for the same thing. If colour type not set up, will show colour description.									
MarkdownStatus	Alpha	9	Permanent / Temporary / TempPermanent / None – this indicates whether the item is a clearance item or not. If permanent markdown, this indicates a clearance product / colour. TempPermanent is a permanently marked down item with a temporary	Permanent	Yes	Yes	No	No	No	No	No	1.0

					GET responses							
Field	Format	Max Length	Comment	Example	List of Products	Single Product by Id	Products you might like	List of products - simple	Single product – simple	Product notes	Product colour notes	HTTP Header Accept: Version
			markdown in place.									
References			The list of reference Ids for colour.		Yes	Yes	Yes	No	No	No	No	4.0
Reference			Reference is a sub-element of references.		Yes	Yes	Yes	No	No	No	No	4.0
ReferenceTypeId	Integer	22	The reference type Id	1321	Yes	Yes	Yes	No	No	No	No	4.0
Id	Integer	22	The reference Id of this reference type for this product	4362	Yes	Yes	Yes	No	No	No	No	4.0
CustomData			List of Cards of Custom Data on colour level		Yes	Yes	No	No	No	No	No	4.0
Cards	Alpha		Type="Array"		Yes	Yes	No	No	No	No	No	4.0
Card	Alpha		Name=""		Yes	Yes	No	No	No	No	No	4.0
Fields	Alpha		Type="Array"		Yes	Yes	No	No	No	No	No	4.0

					GET responses							
Field	Format	Max Length	Comment	Example	List of Products	Single Product by Id	Products you might like	List of products - simple	Single product – simple	Product notes	Product colour notes	HTTP Header Accept: Version
Field	Alpha, Number, Boolean, Date		Name=""	Summer, 2134558, YES, 2019-03-30	Yes	Yes	No	No	No	No	No	4.0
ListValues	Alpha		Type="Array"		Yes	Yes	No	No	No	No	No	4.0
Value	Alpha, Number, Boolean, Date			Summer, 2134558, YES, 2019-03-30	Yes	Yes	No	No	No	No	No	4.0
Images			List of image URLs on product level Type="Array"		Yes	Yes	No	No	No	No	No	4.0
Image	Alpha		Sub-element of Images		Yes	Yes	No	No	No	No	No	4.0
Sequence	Integer	22	Sequence Id of image in the array	1	Yes	Yes	No	No	No	No	No	4.0
TypeId	Integer	22	Reference Type Id	11804	Yes	Yes	No	No	No	No	No	4.0

					GET responses							
Field	Format	Max Length	Comment	Example	List of Products	Single Product by Id	Products you might like	List of products - simple	Single product – simple	Product notes	Product colour notes	HTTP Header Accept: Version
TypeCode	Alpha	15	Code of Reference Type Id	WEB-02	Yes	Yes	No	No	No	No	No	4.0
Url	Alpha	1000	A web-based image URL	https://res.cloudinary.com/envim o/image/upload/v1501634857/101780-3820/0011/001/3.png	Yes	Yes	No	No	No	No	No	4.0
SKUs			The list of sizes for a colour									
SKU			SKU is the lowest level representation for a product. SKU is a sub-element of SKUs									
Id	Integer	22	Unique Id for this size for this colour	55623	Yes	Yes	Yes	No	No	No	No	1.0
ClrId	Integer	22	Id of parent colour	542	Yes	Yes	Yes	No	No	No	No	1.0

					GET responses							
Field	Format	Max Length	Comment	Example	List of Products	Single Product by Id	Products you might like	List of products - simple	Single product – simple	Product notes	Product colour notes	HTTP Header Accept: Version
Sequence	Integer	22	Sequence of this size within the colour	2	Yes	Yes	Yes	No	No	No	No	1.0
SizeCode	Alpha	7	Code of the size	5	Yes	Yes	Yes	No	No	No	No	1.0
OriginalPrice	Num (10,2)	10	The original price of this size i.e. Price with no start / end date	32.99	Yes	Yes	Yes	No	No	No	No	1.0
Price	Number (10,2)	10	The current price of this size – price for today	18.5	Yes	Yes	Yes	No	No	No	No	1.0
RetailPrice	Number (10,2)	10	The current price for this size in SalesNet_RRP interface table. Might not be the same price as the store price scheme.	30.00	Yes	Yes	Yes	No	No	No	No	1.0
Barcode	Text		The default barcode for this size	9312345111111	Yes							
Freestock	Integer	22	The free stock available for sale.	27	Yes	Yes	Yes	No	No	No	No	1.0

					GET responses							
Field	Format	Max Length	Comment	Example	List of Products	Single Product by Id	Products you might like	List of products - simple	Single product – simple	Product notes	Product colour notes	HTTP Header Accept: Version
			This is based on a formula set up in a Generic Interface Translation in Apparel ²¹									
NextAvailable	Date (yyyy-mm-dd)	10	The next available date of stock for this size calculated from incoming Purchase Orders in Apparel ²¹ .	2001-07-29	Yes	Yes	Yes	No	No	No	No	1.0
GlobalSequence	Integer	22	The global sequence for the size. For example size S might be defined for many products and within each size it has a different sequence, but this global sequence defines	562	Yes	Yes	Yes	No	No	No	No	1.0

					GET responses							
Field	Format	Max Length	Comment	Example	List of Products	Single Product by Id	Products you might like	List of products - simple	Single product – simple	Product notes	Product colour notes	HTTP Header Accept: Version
			this size uniquely within the whole product range.									
ProductNoteTypes			The list of Product Note Types for this product.									
ProductNoteType			Product Note Type is a sub-element of Product Note Types									
Code	Alpha	40	Code of Product Note Type	Styling	No	No	No	No	No	Yes	No	2.0
Name	Alpha	40	Description of Product Note Type	Styling Hints	No	No	No	No	No	Yes	No	2.0
Note	Deserialised Xhtml 1.0	unlimited	Note details saved for the product in deserialised xhtml 1.0 format in table OBJECT_NOTE.	You can wear this dress day or night	No	No	No	No	No	Yes	No	2.0

					GET responses							
Field	Format	Max Length	Comment	Example	List of Products	Single Product by Id	Products you might like	List of products - simple	Single product – simple	Product notes	Product colour notes	HTTP Header Accept: Version
			Note length depends on Oracle version. Note to be re-serialised into xhtml 1.0.									
ProductColourNoteTypes			The list of Product Colour Note Types for this product.									
ProductColourNoteType			Product Colour Note Type is a sub-element of Product Colour Note Types									
Code	Alpha	40	Code of Product Note Type	Styling	No	No	No	No	No	No	Yes	2.0
Name	Alpha	40	Description of Product Note Type	Styling Hints	No	No	No	No	No	No	Yes	2.0
Note	Deserialised Xhtml 1.0	unlimited	Note details saved for the product colour in deserialised xhtml	Colour does not fade	No	No	No	No	No	No	Yes	2.0

					GET responses							
Field	Format	Max Length	Comment	Example	List of Products	Single Product by Id	Products you might like	List of products - simple	Single product – simple	Product notes	Product colour notes	HTTP Header Accept: Version
			1.0 format in table OBJECT_NOTE. Note length depends on Oracle version. Note to be re-serialised into xhtml 1.0.									

1.23 RETRIEVE PRODUCT LIST FOR NAVIGATION REFERENCE

This GET request will return a list of all products based on the Product Reference Id. The query parameter is plugged in from the reference tree as described in *Navigation tree*. This is a detailed view of products.

1.23.1 URI REQUEST FORMAT

/Products?countryCode={countryCode}&query={queryString}&order={orderBy}&sizeFilter={sizeCode}&colourFilter={colourCode}&updatedAfter={updateTimestamp}&startRow={startRow}&pageRows={pageRows}&CustomData=true

1.23.2 REQUEST PARAMETERS

Field	Required	Comment
Country Code	Mandatory	Country Code of shopper
Query	Optional	<p>Sequence and Product Reference Type. Up to 5 combinations can be entered.</p> <p>For example, if want to filter products to only Product Type Jackets, and Gender Womens, need to identify Product Type sequence and Gender sequence and unique index for Womens and Jackets.</p> <p>1,123:2,234</p> <p>Means that product reference position 1 and reference code index 123 AND product reference position 2 and reference code index 234 will be filtered.</p>
order	Optional	<p>valid values are a series of product fields and sort sequence concatenated as</p> <p>{id:asc}</p> <p>{code:desc}</p> <p>{name:asc}</p> <p>{description:asc}</p> <p>Multiple fields may be selected to define the sequencing of the products in the result.</p>
sizeFilter	Optional	A size code to filter the products by size. The range of valid size codes can be obtained from the Sizes endpoint which is defined in section 11 <i>Sizes</i>
colourFilter	Optional	A colour code to filter the products by colour. The range of valid colour codes can be obtained from the colours endpoint which is defined in section 1.34 <i>Retrieve Colour List</i>

ExtendedRefs	Optional	Set to "True" to get all product references (up to 20), not just limited to style references. If NOT "true", only "style" references (up to 10) are returned. This was introduced from version 2015.2 onwards.
updatedAfter	Optional	Allows web developers to retrieve products updated after a specific timestamp. Valid date formats: YYYY-MM-DDTHH:MM:SS, YYYY-MM-DDTHH:MM, YYYY-MM-DD The timestamp format used to query should match the head office database date/time settings. This was introduced from version 2016.3 onwards. From version 2019, the behaviour of this filter also considers a markdown starting or ending or other price change as an update. Stock changes are NOT considered by this filter.
startRow	Optional	Starting position of products returned
pageRows	Optional	Number of products returned
CustomData	Optional	Include Custom Data in returned product information. Set to "True" to get all valid Custom Data values.

1.23.3 EXAMPLE REQUEST

GET

<https://retailapi.apparel21.com/RetailAPI/Products?countryCode=AU&query=1,1506:3,1441&order={name:asc}&startRow=1&pageRows=40>

Content-type: text/xml

Accept:version_2.0

This will return up to 40 products per page, which belong to Commune, Accessories, Accessories references starting at the first product.

1.23.4 EXAMPLE RESPONSE

```
<Products>
  <Product>
    <Id>7126</Id>
    <RowNumber>1</RowNumber>
    <Code>NAB32</Code>
    <Name>Dririder Off Road Tail Bag</Name>
    <Description />
    <RrpText>RRP</RrpText>
    <UpdateTimeStamp>2005-08-17T09:15:23</UpdateTimeStamp>
    <References Type="Array">
      <Reference>
        <ReferenceTypeId>258</ReferenceTypeId>
        <Id>2405</Id>
      </Reference>
      <Reference>
        <ReferenceTypeId>257</ReferenceTypeId>
        <Id>4060</Id>
      </Reference>
    </References>
  </Product>
</Products>
```

```

<ReferenceTypeId>1</ReferenceTypeId>
<Id>2368</Id>
  </Reference>
<Reference>
<ReferenceTypeId>2229</ReferenceTypeId>
<Id />
  </Reference>
<Reference>
<ReferenceTypeId>1168</ReferenceTypeId>
<Id>2390</Id>
  </Reference>
<Reference>
<ReferenceTypeId>1169</ReferenceTypeId>
<Id>7185</Id>
  </Reference>
</References>
<Cls Type="Array">
<Clr>
  </Clr>
</Product>
...etc....

```

1.23.5 SUCCESS RESPONSE

HTTP Response		
200		

1.23.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		
404	5034	Invalid pagination parameters

1.24 RETRIEVE DETAILS FOR A SINGLE PRODUCT

This request will return full details for a single product using a Product Id retrieved previously.

Perform a **GET** on the following endpoint.

1.24.1 URI REQUEST FORMAT

/Products/{id}?countryCode={countryCode}

1.24.2 REQUEST PARAMETERS

Field	Required	Comment
Id	Mandatory	Id of the Product
Country Code	Mandatory	Country Code of shopper
markdownStatus	Optional	Filter for colours based on their price status. Valid values are: <ul style="list-style-type: none"> Permanent Temporary None
CustomData	Optional	Include Custom Data in returned product information. Set to "True" to get all valid Custom Data values

styleCode	Optional	Style code. This is not case sensitive
clrRefs	Optional	Include product colour references in returned product information. Set to "True" to get all valid values for product colour references
imageUrls	Optional	Include image URLs in returned product information. Set to "True" to get all valid image URLs at style and colour level

1.24.3 EXAMPLE REQUEST

GET

<https://retailapi.apparel21.com/RetailAPI/Products/1024?countryCode=AU&markdownStatus=None&CustomData=true&clrRefs=true&imageUrls=true>

Content-type: text/xml

Accept:version_4.0

1.24.4 EXAMPLE RESPONSE

```
<Product
  <Id>5481</Id>
  <RowNumber>1</RowNumber>
  <Code>0011</Code>
  <Name>SLEEVELESS ONESIE SUIT</Name>
  <Description>ROYALTY FREE IMAGE</Description>
  <SizeRange>6-14</SizeRange>
  <RrpText>MSRP</RrpText>
  <UpdateTimeStamp>2015-04-29T16:54:59</UpdateTimeStamp>
  <References Type="Array">
    <Reference>
      <ReferenceTypeId>257</ReferenceTypeId>
      <Id>1342</Id>
    </Reference>
    <Reference>
      <ReferenceTypeId>1021</ReferenceTypeId>
      <Id>5045</Id>
    </Reference>
    <Reference>
      <ReferenceTypeId>1</ReferenceTypeId>
      <Id>3281</Id>
    </Reference>
    <Reference>
      <ReferenceTypeId>1201</ReferenceTypeId>
      <Id>3081</Id>
    </Reference>
    <Reference>
      <ReferenceTypeId>258</ReferenceTypeId>
      <Id>12103</Id>
    </Reference>
    <Reference>
      <ReferenceTypeId>1621</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>315</ReferenceTypeId>
      <Id>2981</Id>
    </Reference>
  </References>
</Product>
```

```

    </Reference>
  </References>
  <CustomData>
    <Cards Type="Array">
      <Card Name="Envimo Attributes">
        <Fields Type="Array">
          <Field Name="Extended Description">Best outfit ever</Field>
          <Field Name="Available from">2019-03-20</Field>
          <Field Name="Activity">
            <ListValues Type="Array">
              <Value>Camping</Value>
              <Value>Fishing</Value>
              <Value>Hiking</Value>
            </ListValues>
          </Field>
          <Field Name="New Arrivals">false</Field>
        </Fields>
      </Card>
    </Cards>
  </CustomData>
  <Images Type="Array">
    <Image>
      <Sequence>2</Sequence>
      <TypeId>11803</TypeId>
      <TypeCode>WEB-01</TypeCode>
      <Url>https://res.cloudinary.com/envimo/image/upload/v1512523925/101780-3820/0011/2.jpg</Url>
    </Image>
    <Image>
      <Sequence>3</Sequence>
      <TypeId>11804</TypeId>
      <TypeCode>WEB-02</TypeCode>
      <Url>https://res.cloudinary.com/envimo/image/upload/v1501634278/101780-3820/0011/3.png</Url>
    </Image>
    <Image>
      <Sequence>4</Sequence>
      <TypeId>11805</TypeId>
      <TypeCode>WEB-03</TypeCode>
      <Url>https://res.cloudinary.com/envimo/image/upload/v1501634279/101780-3820/0011/4.png</Url>
    </Image>
  </Images>
  <Clsr Type="Array">
    <Clr>
      <Id>6123</Id>
      <ProductId>5481</ProductId>
      <Sequence>1</Sequence>
      <Code>001</Code>
      <Name>MULTICOLOURED - Rainbow Colour</Name>
      <TypeCode>001</TypeCode>
      <TypeName>MULTICOLOURED - Rainbow Colour</TypeName>
      <MarkdownStatus>Permanent</MarkdownStatus>
      <References Type="Array">
        <Reference>
          <ReferenceTypeId>1321</ReferenceTypeId>
          <Id>4362</Id>
        </Reference>
        <Reference>
          <ReferenceTypeId>1521</ReferenceTypeId>
          <Id />
        </Reference>
        <Reference>
          <ReferenceTypeId>1881</ReferenceTypeId>
          <Id>12664</Id>
        </Reference>
      </References>
    </Clr>
  </Clsr>

```



```

<Reference>
  <ReferenceTypeId>2041</ReferenceTypeId>
  <Id />
</Reference>
</References>
<CustomData>
  <Cards Type="Array">
    <Card Name="Envimo Attributes">
      <Fields Type="Array">
        <Field Name="Available from">2019-03-20</Field>
        <Field Name="New Arrivals">>false</Field>
      </Fields>
    </Card>
  </Cards>
</CustomData>
<Images Type="Array">
  <Image>
    <Sequence>1</Sequence>
    <TypeId>9923</TypeId>
    <TypeCode>Catalogue</TypeCode>
    <Url>https://res.cloudinary.com/envimo/image/upload/v1501634817/101780-3820/0011/001/1.jpg</Url>
  </Image>
  <Image>
    <Sequence>3</Sequence>
    <TypeId>11804</TypeId>
    <TypeCode>WEB-02</TypeCode>
    <Url>https://res.cloudinary.com/envimo/image/upload/v1501634857/101780-3820/0011/001/3.png</Url>
  </Image>
</Images>
<SKUs Type="Array">
  <SKU>
    <Id>12431</Id>
    <ClId>6123</ClId>
    <Sequence>1</Sequence>
    <SizeCode>6</SizeCode>
    <OriginalPrice>200</OriginalPrice>
    <Price>5</Price>
    <RetailPrice>200</RetailPrice>
    <FreeStock>-345</FreeStock>
    <NextAvailable />
    <GlobalSequence>1</GlobalSequence>
  </SKU>
  Etc...

```

1.24.5 SUCCESS RESPONSE

HTTP Response		
200		

1.24.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		

1.25 RETRIEVE PRODUCTS YOU MIGHT LIKE

This returns a list of products that have been grouped as similar in Apparel²¹. It enables products to be suggested to shoppers as products “you might like”.

Perform a **GET** on the following URI

1.25.1 URI REQUEST FORMAT

/Products/{id}/YouMightLikeProducts?countryCode={countryCode}

1.25.2 REQUEST PARAMETERS

Field	Required	Comment
Id	Mandatory	Id of the product
CountryCode	Mandatory	Country code of the shopper

1.25.3 EXAMPLE REQUEST

GET <https://retailapi.apparel21.com/RetailAPI/Products/1155/YouMightLikeProducts?countryCode=AU>

Content-type: text/xml

Accept:version_2.0

1.25.4 EXAMPLE RESPONSE

```
<Products>
<Product>
<Id>7543</Id>
<RowNumber>1</RowNumber>
<Code>1CZBCC</Code>
<Name>JACKET</Name>
<Description />
<RrpText>RRP</RrpText>
<UpdateTimeStamp>2007-06-23T16:39:47</UpdateTimeStamp>
  <References Type="Array">
    <Reference>
<ReferenceTypeId>258</ReferenceTypeId>
<Id>5482</Id>
    </Reference>
    <Reference>
<ReferenceTypeId>257</ReferenceTypeId>
<Id>5063</Id>
    </Reference>
    <Reference>
<ReferenceTypeId>1</ReferenceTypeId>
<Id>2364</Id>
    </Reference>
    <Reference>
<ReferenceTypeId>2229</ReferenceTypeId>
<Id />
    </Reference>
    <Reference>
<ReferenceTypeId>1168</ReferenceTypeId>
<Id>6323</Id>
    </Reference>
    <Reference>
<ReferenceTypeId>1169</ReferenceTypeId>
<Id>7185</Id>
  </References>
</Product>
</Products>
```

```

</Reference>
</References>
<Cls Type="Array">
<Clr>
<Id>8823</Id>
<ProductId>7543</ProductId>
<Sequence>3</Sequence>
<Code>001</Code>
<Name>Black</Name>
<TypeCode>001</TypeCode>
<TypeName>Black</TypeName>
<SKUs Type="Array">
<SKU>
<Id>18224</Id>
<ClrId>8823</ClrId>
<Sequence>3</Sequence>
<SizeCode>S</SizeCode>
<OriginalPrice>74.95</OriginalPrice>
<Price>74.95</Price>
<RetailPrice>0</RetailPrice>
<FreeStock>44</FreeStock>
<NextAvailable />
<GlobalSequence>3</GlobalSequence>
</SKU>
<SKU>
<Id>18225</Id>
<ClrId>8823</ClrId>
<Sequence>4</Sequence>
<SizeCode>M</SizeCode>
<OriginalPrice>74.95</OriginalPrice>
<Price>74.95</Price>
<RetailPrice>0</RetailPrice>
<FreeStock>4</FreeStock>
<NextAvailable />
<GlobalSequence>4</GlobalSequence>
</SKU>
<SKU>
...etc...

```

1.25.5 SUCCESS RESPONSE

HTTP Response		
200		

1.25.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		
403	5096	Free Stock Formula is invalid in the GIT setup
403	5097	Future Stock Formula is invalid in the GIT setup

1.26 RETRIEVE SIMPLE LIST OF PRODUCTS

This query will return a list of products with fewer details than provided with “Get list of Products”. It can be used to present the shopper with the initial display of products without the colours and sizes and will considerably reduce the response payload.

1.26.1 URI REQUEST FORMAT

/ProductsSimple?countryCode={countryCode}&query={queryString}&updatedAfter={updateTimestamp}&order={orderBy}&startRow={startRow}&pageRows={pageRows}

1.26.2 REQUEST PARAMETERS

Field	Required	Comment
CountryCode	Mandatory	Country Code of the shopper
Query String	Optional	Sequence and Product Reference Type. Up to 5 combinations can be entered.
updatedAfter	Optional	Allows web developers to retrieve products updated after a specific timestamp. Valid date formats: YYYY-MM-DDTHH:MM:SS, YYYY-MM-DDTHH:MM, YYYY-MM-DD The timestamp format used to query should match the head office database date/time settings. This was introduced from version 2016.3 onwards. From version 2019, this filter was extended to consider price changes for “today” as a product update. Prior to this, only product changes were considered.
Order	Optional	valid values are a series of product fields and sort sequence concatenated as {id:asc} {code:desc} {name:asc} {description:asc} {price:asc} Multiple fields may be selected to define the sequencing of the products in the result.
startRow	Optional	Starting product number
pageRows	Optional	Number of products per page
styleCode	Optional	Style code. This is not case sensitive

1.26.3 EXAMPLE REQUEST

GET

<https://retailapi.apparel21.com/RetailAPI/ProductsSimple?countryCode=AU&query=1,1506:3,1441&order={name:asc}&startRow=1&pageRows=40>

Content-type: text/xml

Accept:version_2.0

1.26.4 EXAMPLE RESPONSE

```
<ProductsSimple>
<ProductSimple>
<Id>6264</Id>
<RowNumber>1</RowNumber>
<Code>M2</Code>
<Name>MRP 2</Name>
<Description />
<OriginalPriceFrom>79.95</OriginalPriceFrom>
<PriceFrom>79.95</PriceFrom>
<OriginalPriceTo>79.95</OriginalPriceTo>
<PriceTo>79.95</PriceTo>
<AvailableStock>0</AvailableStock>
<UpdateTimeStamp>2010-06-03T10:03:43</UpdateTimeStamp>
</ProductSimple>
<ProductSimple>
<Id>7126</Id>
<RowNumber>2</RowNumber>
<Code>NAB32</Code>
<Name>Dririder Off Road Tail Bag</Name>
<Description />
<OriginalPriceFrom>79.95</OriginalPriceFrom>
<PriceFrom>79.95</PriceFrom>
<OriginalPriceTo>79.95</OriginalPriceTo>
<PriceTo>79.95</PriceTo>
<AvailableStock>0</AvailableStock>
<UpdateTimeStamp>2005-08-17T09:15:23</UpdateTimeStamp>
</ProductSimple>
</ProductsSimple>
```

1.26.5 SUCCESS RESPONSE

HTTP Response		
200		

1.26.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		
400	5034	Invalid pagination parameters

1.27 RETRIEVE SIMPLE DETAILS FOR A SINGLE PRODUCT

This **GET** request will return 'simple' details for a single product using the Product Id retrieved previously.

1.27.1 URI REQUEST FORMAT

/ProductsSimple/{id}?countryCode={countryCode}

1.27.2 REQUEST PARAMETERS

Field	Required	Comment
Id	Mandatory	Id of the Product

Country Code	Mandatory	Country Code of shopper
--------------	-----------	-------------------------

1.27.3 EXAMPLE REQUEST

GET <https://retailapi.apparel21.com/RetailAPI/ProductsSimple/1024?countryCode=AU>

Content-type: text/xml

Accept:version_2.0

1.27.4 EXAMPLE RESPONSE

```
<ProductSimple">
<Id>7126</Id>
<RowNumber>1</RowNumber>
<Code>NAB32</Code>
<Name>Dririder Off Road Tail Bag</Name>
<Description />
<OriginalPriceFrom>79.95</OriginalPriceFrom>
<PriceFrom>79.95</PriceFrom>
<OriginalPriceTo>79.95</OriginalPriceTo>
<PriceTo>79.95</PriceTo>
<AvailableStock>0</AvailableStock>
<UpdateTimeStamp>2005-08-17T09:15:23</UpdateTimeStamp>
</ProductSimple>
```

1.27.5 SUCCESS RESPONSE

HTTP Response		
200		

1.27.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		

1.28 RETRIEVE PRODUCT NOTES

This **GET** request will return the note types and notes stored in AP21 for a product using the Product Id retrieved previously. If no notes exist for a Product Id, no notes are returned.

1.28.1 URI REQUEST FORMAT

/ProductNotes/{id}?countryCode={countryCode}

1.28.2 REQUEST PARAMETERS

Field	Required	Comment
Id	Mandatory	Id of the Product
Country Code	Mandatory	Country Code of shopper

This **GET** request will return the note types and notes stored in AP21 for a product colour using the ClrId retrieved previously. If no notes exist for a ClrId, no notes are returned.

1.29.1 URI REQUEST FORMAT

/ProductColourNotes/{id}?countryCode={countryCode}

1.29.2 REQUEST PARAMETERS

Field	Required	Comment
Id	Mandatory	Id of the Product Colour
Country Code	Mandatory	Country Code of shopper

1.29.3 EXAMPLE REQUEST

GET <https://retailapi.apparel21.com/RetailAPI/ProductColourNotes/1200?countryCode=AU>

Content-type: text/xml

Accept:version_2.0

1.29.4 EXAMPLE RESPONSE

```
<ProductColourNoteTypes
  <ProductColourNoteType>
    <Code>Note1</Code>
    <Name>Note1</Name>
    <Note>&lt;!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd"&gt;
&lt;html
  xmlns="http://www.w3.org/1999/xhtml"&gt;
    &lt;head&gt;
      &lt;meta http-equiv="Content-Type" content="text/html; charset=utf-8"
/&gt;&lt;title&gt;
      &lt;/title&gt;
      &lt;style type="text/css"&gt;
        .cs95E872D0{text-align:left;text-indent:0pt;margin:0pt 0pt 0pt 0pt}
        .csCF6BBF71{color:#000000;background-color:transparent;font-family:Times New
Roman;font-size:12pt;font-weight:normal;font-style:normal;}
      &lt;/style&gt;
    &lt;/head&gt;
    &lt;body&gt;
      &lt;p class="cs95E872D0"&gt;&lt;span class="csCF6BBF71"&gt;Blue
Note2&lt;/span&gt;&lt;/p&gt;&lt;/body&gt;
&lt;/html&gt;

    </Note>
  </ProductColourNoteType>
  <ProductColourNoteType>
    <Code>Note2</Code>
    <Name>Note2</Name>
    <Note>&lt;!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd"&gt;
&lt;html
  xmlns="http://www.w3.org/1999/xhtml"&gt;
    &lt;head&gt;
      &lt;meta http-equiv="Content-Type" content="text/html; charset=utf-8"
/&gt;&lt;title&gt;
      &lt;/title&gt;
```



```

<style type="text/css">
    .cs95E872D0{text-align:left;text-indent:0pt;margin:0pt 0pt 0pt 0pt}
    .csCF6BBF71{color:#000000;background-color:transparent;font-family:Times New
Roman;font-size:12pt;font-weight:normal;font-style:normal;}
</style>
</head>
<body>
    <p class="cs95E872D0"><span class="csCF6BBF71">Blue
Note</span></p>
</body>
</html>
</Note>
</ProductColourNoteType>
</ProductColourNoteType

```

1.29.5 SUCCESS RESPONSE

HTTP Response		
200		

1.29.6 ERROR RESPONSE

None

1.30 RETRIEVE PRODUCT CUSTOM DATA TEMPLATES AND ATTRIBUTES

A new GET endpoint is added for getting the list of product custom data templates available on a web store. Besides, details of a single template can be retrieved by supplying the template name.

Generally, all product custom data templates with “Available to Retail API” selection will be returned. This can be limited by entering the web store and product custom data templates combination in GIT table called Retail API Custom Data filter in Apparel21 (Reference 115891 Retail API - ability to restrict custom data cards to specific API instance) . The entries in GIT table is checked to ensure that only eligible product custom data templates are returned with the new GET endpoint.

Custom data field can be defined at product, colour or inherited level. When a data field is defined at inherited level, the value of custom data field retrieved from /Product should be read at colour level.

Field	Format	Comment	Example	Single template by name	HTTP Header Accept:Version
CustomData		List of custom data templates		Yes	4.0
Template	Alpha			Yes	4.0
Name	Alpha	Template name		Yes	4.0
ImageUrl	Alpha	A web-based image URL	https://apparel21.com/wp-content/uploads/2018/07/hero_p.jpg	Yes	4.0
Fields	Alpha	Type="Array"		Yes	4.0
Field	Alpha			Yes	4.0

Label	Alpha	Label for data field		Yes	4.0
Type	Alpha	Data type of data field. There are 6 data types available.	Text Memo Date Number Checkbox TagList TreeList	Yes	4.0
Level	Alpha	Level at which data field is defined.	Product Clr Inherited	Yes	4.0
Length	Number	For Text data type	1000	Yes	4.0
Min	Number	For Number data type	0	Yes	4.0
Max	Number	For Number data type	1000	Yes	4.0
TagListMultiSelect	Alpha	For TagList datatype	False True	Yes	4.0
IsAdhocList	Alpha	For TagList data type	False True	Yes	4.0
Tags	Alpha	Type="Array"		Yes	4.0
Tag	Alpha			Yes	4.0
Value	Alpha	For TagList data type	Australia 1001	Yes	4.0
TreeListMultiSelect	Alpha	For TreeList data type	False True	Yes	4.0
TreeList	Alpha	Type="Array"		Yes	4.0
TreeNode	Alpha			Yes	4.0
FullPath	Alpha	Full path of the tree node	Clothing>Jeans	Yes	4.0

1.30.1 URI REQUEST FORMAT

/Products/CustomDataTemplates/{template name}?countryCode={countryCode}

1.30.2 REQUEST PARAMETERS

Field	Required	Comment
-------	----------	---------

Country Code	Mandatory	Country Code of shopper
Template Name	Optional	Name of custom data template

1.30.3 EXAMPLE REQUEST

GET <https://feedback.apparel21.com/gantretailapi/Products/CustomDataTemplates?countryCode=AU-GA-IO>

Content-type: text/xml

Accept:version_4.0

1.30.4 EXAMPLE RESPONSE

```
<CustomData xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Template>
    <Name>TheIconic 1</Name>
    <ImageUrl />
    <Fields Type="Array">
      <Field>
        <Label>Short Description</Label>
        <Type>Text</Type>
        <Level>Product</Level>
        <Length>1000</Length>
      </Field>
      <Field>
        <Label>Product Details</Label>
        <Type>Memo</Type>
        <Level>Product</Level>
      </Field>
      <Field>
        <Label>Launch Date</Label>
        <Type>Date</Type>
        <Level>Inherited</Level>
      </Field>
      <Field>
        <Label>Limited Edition</Label>
        <Type>Checkbox</Type>
        <Level>Clr</Level>
      </Field>
      <Field>
        <Label>Iconic Category</Label>
        <Type>TreeList</Type>
        <Level>Product</Level>
        <TreeListMultiSelect>True</TreeListMultiSelect>
        <TreeList Type="Array">
          <TreeNode>
            <FullPath>Clothing</FullPath>
          </TreeNode>
          <TreeNode>
            <FullPath>Clothing>Jeans</FullPath>
          </TreeNode>
          <TreeNode>
            <FullPath>Clothing>Jeans>Flares</FullPath>
          </TreeNode>
          <TreeNode>

```

```

        <FullPath>Clothing&gt;Jeans&gt;Girlfriend</FullPath>
    </TreeNode>
    <TreeNode>
        <FullPath>Clothing&gt;Jeans&gt;Tapered</FullPath>
    </TreeNode>
    <TreeNode>
        <FullPath>Clothing&gt;Jeans&gt;Boyfriend</FullPath>
    </TreeNode>
    <TreeNode>
        <FullPath>Clothing&gt;Jeans&gt;Bootcut</FullPath>
    </TreeNode>
</TreeList>
</Field>
<Field>
    <Label>Weight in grams</Label>
    <Type>Number</Type>
    <Level>Product</Level>
    <Min>1</Min>
    <Max>1000</Max>
</Field>
</Fields>
</Template>
</CustomData>

```

1.30.5 SUCCESS RESPONSE

HTTP Response	
200	

1.30.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
403	5206	No custom data template found

1.31 RETRIEVE PRODUCT COLOUR REFERENCE TYPES

A new GET endpoint is added for getting the definition of product colour references for data mapping purposes.

Field	Format	Comment	Example	HTTP Header Accept:Version
Id	Integer	This Id describes which object the list of reference groups refers to. Fixed to 21 for product colour reference	21	4.0
Name	Alpha	Name of object	Product Colour	4.0
ReferenceTypes	Alpha	Type="Array"		4.0
Reference	Alpha			4.0

Sequence	Integer	Sequence of the reference type	3	4.0
ReferenceTypeId	Integer	Unique Id for this reference type	1644	4.0
Code	Alpha	Code for this reference type	WebIconi	4.0
Name	Alpha	Description of this reference type	Web Iconic	4.0

1.31.1 URI REQUEST FORMAT

/ProductColourReferenceTypes?countryCode={countryCode}

1.31.2 REQUEST PARAMETERS

Field	Required	Comment
Country Code	Mandatory	Country Code of shopper

1.31.3 EXAMPLE REQUEST

GET <https://feedback.apparel21.com/gantretailapi/ProductColourReferenceTypes?countryCode=AU-GA-IO>

Content-type: text/xml

Accept:version_4.0

1.31.4 EXAMPLE RESPONSE

```
<ProductColourReferenceTypes xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Id>21</Id>
  <Name>Product Colour</Name>
  <ReferenceTypes Type="Array">
    <Reference>
      <Sequence>1</Sequence>
      <ReferenceTypeId>1063</ReferenceTypeId>
      <Code>SStatus</Code>
      <Name>Style Status</Name>
    </Reference>
    <Reference>
      <Sequence>2</Sequence>
      <ReferenceTypeId>1464</ReferenceTypeId>
      <Code>WebClr</Code>
      <Name>Web Colour</Name>
    </Reference>
    <Reference>
      <Sequence>3</Sequence>
      <ReferenceTypeId>1644</ReferenceTypeId>
      <Code>WebIconi</Code>
      <Name>Web Iconic</Name>
    </Reference>
  </ReferenceTypes>
</ProductColourReferenceTypes>
```

1.31.5 SUCCESS RESPONSE**HTTP Response****200****1.31.6 ERROR RESPONSE****HTTP Error****API Error Code****API Error Text****404****1.32 RETRIEVE PRODUCT FUTURE PRICES**

Future prices endpoint uses the product filter of the web store to determine eligible products. Pricing customer attached to the web site country code determines the price scheme, with which the endpoint looks for future price changes. Future prices of products (prices with start date in future) will be retrieved except for products with below conditions.

- Products that have only original price.
- Price changes made directly onto the original price.
- Products that do not have Price (current price) even though it has price changes in future.
- Products that do not have any price changes for the specified time window supplied in GET call of future prices endpoint.

Field	Format	Comment	Example	HTTP Header Accept:Version
Style	Alpha			1.0 , 2.0 , 4.0
StyleId	Integer	Id of the product	10786	1.0 , 2.0 , 4.0
StyleCode	Alpha	The product code	00S3HX0EAD	1.0 , 2.0 , 4.0
Clr	Alpha			1.0 , 2.0 , 4.0
ClrId	Integer	Id of the colour under this product	13332	1.0 , 2.0 , 4.0
ClrCode	Alpha	Code of product colour	BLK	1.0 , 2.0 , 4.0
Sku	Alpha			1.0 , 2.0 , 4.0
Skuld	Integer	Unique Id for this size for this colour	34221	1.0 , 2.0 , 4.0
SizeCode	Alpha	Code of the size	XS	1.0 , 2.0 , 4.0
OriginalPrice	Integer	The original price of this size i.e. Price with no start / end date	100	1.0 , 2.0 , 4.0
Price	Integer	The current price of this size – price for today	100	1.0 , 2.0 , 4.0

PriceChanges	Alpha	Type="Array"		1.0 , 2.0 , 4.0
PriceChange	Alpha			1.0 , 2.0 , 4.0
Price	Integer	Price of this size starting on FromDate	89	1.0 , 2.0 , 4.0
FromDate	Date	Future date where new price will take effect (YYYY-MM-DD)	2021-05-13	1.0 , 2.0 , 4.0

1.32.1 URI REQUEST FORMAT

/Products/FuturePrices?countryCode={countryCode}&cutOffDate={date}&numberOfPriceChange={num}

1.32.2 REQUEST PARAMETERS

Field	Required	Comment
countryCode	Mandatory	Country Code which determines the price scheme of returned prices
cutOffDate	Optional	A future date in YYYY-MM-DD format. Price changes from now to this date will be returned.
numberOfPriceChange	Optional	Determine the maximum number of price change entries at SKU level

1.32.3 EXAMPLE REQUEST

GET <http://v-devserver2012/Impl122DocRetailApi/Products/FuturePrices?countryCode=AU&cutOffDate=2021-05-20&numberOfPriceChange=2>

Header

Content-type: text/xml

Accept:version_2.0

1.32.4 EXAMPLE RESPONSE

```
<FuturePrices xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Style>
    <StyleId>13086</StyleId>
    <StyleCode>00S1PV0TAQ1</StyleCode>
    <Clr>
      <ClrId>16272</ClrId>
      <ClrCode>0023456789</ClrCode>
    <Sku>
      <SkuId>40501</SkuId>
      <SizeCode>XS</SizeCode>
      <OriginalPrice>159</OriginalPrice>
      <Price>159</Price>
      <PriceChanges Type="Array">
```

```

        <PriceChange>
            <Price>100</Price>
            <FromDate>2021-05-14</FromDate>
        </PriceChange>
        <PriceChange>
            <Price>80</Price>
            <FromDate>2021-05-16</FromDate>
        </PriceChange>
    </PriceChanges>
</Sku>
<Sku>
    <SkuId>40502</SkuId>
    <SizeCode>S</SizeCode>
    <OriginalPrice>159</OriginalPrice>
    <Price>159</Price>
    <PriceChanges Type="Array">
        <PriceChange>
            <Price>100</Price>
            <FromDate>2021-05-14</FromDate>
        </PriceChange>
        <PriceChange>
            <Price>80</Price>
            <FromDate>2021-05-16</FromDate>
        </PriceChange>
    </PriceChanges>
</Sku>
<Sku>
    <SkuId>40503</SkuId>
    <SizeCode>M</SizeCode>
    <OriginalPrice>159</OriginalPrice>
    <Price>159</Price>
    <PriceChanges Type="Array">
        <PriceChange>
            <Price>100</Price>
            <FromDate>2021-05-14</FromDate>
        </PriceChange>
        <PriceChange>
            <Price>80</Price>
            <FromDate>2021-05-16</FromDate>
        </PriceChange>
    </PriceChanges>
</Sku>
<Sku>
    <SkuId>40504</SkuId>
    <SizeCode>L</SizeCode>
    <OriginalPrice>159</OriginalPrice>
    <Price>159</Price>
    <PriceChanges Type="Array">
        <PriceChange>
            <Price>100</Price>
            <FromDate>2021-05-14</FromDate>
        </PriceChange>
        <PriceChange>
            <Price>80</Price>
            <FromDate>2021-05-16</FromDate>
        </PriceChange>
    </PriceChanges>
</Sku>
<Sku>
    <SkuId>40505</SkuId>
    <SizeCode>XL</SizeCode>
    <OriginalPrice>159</OriginalPrice>
    <Price>159</Price>

```



```

        <PriceChanges Type="Array">
            <PriceChange>
                <Price>100</Price>
                <FromDate>2021-05-14</FromDate>
            </PriceChange>
            <PriceChange>
                <Price>80</Price>
                <FromDate>2021-05-16</FromDate>
            </PriceChange>
        </PriceChanges>
    </Sku>
</Clr>
</Style>
</FuturePrices>

```

1.32.5 SUCCESS RESPONSE

HTTP Response	
200	

1.32.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		

10 COLOURS

The colours resource retrieves a list of colours that are active for the reference ids provided.

1.33 COLOUR DETAILS

Field	Format	Max Length	Comment	Example	GET Response	HTTP Header Accept:Version_
Code	Alpha	21	Colour Code	Noir	Yes	1.0
Name	Alpha	61	Colour Name	Noir comme poix	Yes	1.0
Row Number	Num	1	Row Number	1	Yes	1.0

1.34 RETRIEVE COLOUR LIST

1.34.1 URI REQUEST FORMAT

Colours?countryCode={countryCode}&query={queryString}

1.34.2 REQUEST PARAMETERS

Field	Required	Comment
CountryCode	Mandatory	Country code of the shopper
Query	Optional	Sequence and Product Reference Type. Up to 5 combinations can be entered.

1.34.3 EXAMPLE REQUEST

GET <https://retailapi.apparel21.com/RetailAPI/Colours?countryCode=AU&query=1,1506>

Content-type: text/xml

Accept:version_2.0

1.34.4 EXAMPLE RESPONSE

```
<Colours>
  <Colour>
    <Code>BLK</Code>
    <Name>Black</Name>
    <RowNumber>1</RowNumber>
  </Colour>
  <Colour>
    <Code>BLK/BLU</Code>
    <Name>BLACK / BLUE</Name>
    <RowNumber>2</RowNumber>
  </Colour>
  <Colour>
    <Code>BLK/GRY</Code>
    <Name>BLACK / GREY</Name>
    <RowNumber>3</RowNumber>
  </Colour>
  <Colour>
    <Code>BLK/RED</Code>
    <Name>BLACK / RED</Name>
    <RowNumber>4</RowNumber>
  </Colour>
```

Etc.....

1.34.5 SUCCESS RESPONSE

HTTP Response		
200		

1.34.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		

11 SIZES

The sizes resource retrieves a list of sizes that are active for the reference ids provided.

1.35 SIZE DETAILS

Field	Format	Max Length	Comment	Example	GET Response	HTTP Header Accept:Version_
Code	Alpha	6	Size Code	S	Yes	1.0
Row Number	Num	1	Row Number	1	Yes	1.0

1.36 RETRIEVE SIZE LIST

1.36.1 URI REQUEST FORMAT

/Sizes?countryCode={countryCode}&query={queryString}

1.36.2 REQUEST PARAMETERS

Field	Required	Comment
CountryCode	Mandatory	Country code of the shopper
Query	Optional	Sequence and Product Reference Type. Up to 5 combinations can be entered.
includeOutOfStock	Optional	true / false. Defaults to false if not supplied. If false, sizes for products not in stock are not included. If set to true, sizes will be included in the results, even if the products don't have stock currently.

1.36.3 EXAMPLE REQUEST

GET

<https://retailapi.apparel21.com/RetailAPI/Sizes?countryCode=AU&query=1,1506&includeOutOfStock=true>

Content-type: text/xml

Accept:version_2.0

1.36.4 EXAMPLE RESPONSE

```
<Sizes>
  <Size>
    <Code>8</Code>
    <Name>1</Name>
    <RowNumber>1</RowNumber>
  </Size>
  <Size>
    <Code>9</Code>
    <RowNumber>2</RowNumber>
  </Size>
  <Size>
    <Code>10</Code>
```

```

<RowNumber>3</RowNumber>
  </Size>
<Size>
<Code>6</Code>
<RowNumber>4</RowNumber>
  </Size>
<Size>
<Code>XS</Code>
<RowNumber>5</RowNumber>
  </Size>
<Size>
etc.....

```

1.36.5 SUCCESS RESPONSE

HTTP Response		
200		

1.36.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		

12 PERSONS

'Persons' is a term used within Apparel²¹ to store details for people who purchase goods from a retail store. When an online shopper creates an account, a Person record must be created in Apparel²¹ and include email address and other contact and delivery details. In Apparel²¹ the Person is attached to a predefined 'Customer' record which is used to determine the pricing, discounts and freight for the shopper.

The email address is used to login to the website and complete an order. Persons can be created, updated and retrieved by the API. It is possible to create persons with the same email address for different brands or divisions in the same database. The person's email address must be unique within a brand or division as it is used as the primary lookup.

~~Person email address is a mandatory field for all creates.~~

Custom Data

Custom Data feature has been extended to Persons in Version 2020.1 with job 114928 to allow businesses to capture more information around retail customers (Persons).

A new GET endpoint is added to assist web developers for getting the list of custom data templates available on a web warehouse. Besides, details of a single template can be retrieved by supplying the template name.

Get list of custom data templates available for the web warehouse

`/Persons/customdatatemplates?countryCode={countryCode}`

Get a single template by template name

`/Persons/customdatatemplates/{template name}?countryCode={countryCode}`

A new request parameter 'CustomData' is added for getting a single Person with custom data.

`/Persons/{Id}?countryCode={CountryCode}&CustomData=true`

The POST and PUT endpoints have been enhanced to allow the creating and updating Persons with Custom Data.

1.37 PERSON DETAILS

Field	Format	Max Length	Comment	Example	GET Response	GET Timestamp Response	POST Request	PUT Request	HTTP Header Accept:Version_
Id	Integer	22	Id of the Person	101231	Yes	Yes	No	Yes	1.0
Code	Alpha	10	Code generated by API	SMITJOHN22	Yes	Yes	No	No	1.0
Title	Alpha	10	Salutation	Mr	Yes	No	Yes	Optional	1.0
Initials	Alpha	6	Initials	JJ	Yes	No	Yes	Optional	1.0
Firstname	Alpha	20	First name	John	Yes	No	Yes	Yes	1.0
Surname	Alpha	20	Surname	Smith	Yes	No	Yes	Yes	1.0
Sex	Alpha	1	Sex Accepted values are "M" = Male "F" = Female "NS" = Non-specific Blank Other values can be passed but won't display in store or at head office.	M	Yes	No	Optional	Optional	1.0
DateOfBirth	Date (yyyy-MM-dd)	10	Date of birth	1984-12-25	Yes	No	Optional	Optional	1.0
StartDate	Date (yyyy-MM-dd)	10	Date of addition	2011-03-25	Yes	No	Optional	Optional	1.0
JobTitle	Alpha	20	Title	Office Admin	Yes	No	Optional	Optional	1.0
Password	Alpha	50	Hashed of password provided by website. This is stored by the API and required for subsequent GET requests for person.	xyzH334oQ12	No	No	Yes	Optional	1.0

Field	Format	Max Length	Comment	Example	GET Response	GET Timestamp Response	POST Request	PUT Request	HTTP Header Accept:Version_
UpdateTimeStamp	Timestamp	22	D/MM/CCYY HH:MM:SS tt – must be supplied when updating a person using “PUT” request as this is how the API determines that the latest person data is being updated. Date time passed in the “PUT” must match the current record being updated. Note – Do a “GET” to get the current date/time and regurgitate that in the “PUT”.	6/05/2010 4:32:15 PM	Yes	Yes	No	Yes	1.0
Privacy	Alpha	5	Must be “true” or “false”. True = this person has requested privacy. If not supplied, the default value in Apparel ²¹ will be “false”.	True	Yes	No	Optional	Optional	1.0
DocketNumber	Alpha	50	Docket number which is passed along in QR code URL. Refer to Job 115895 for details	D19800002202	No	No	Optional	No	2.0
RewardProgramId	Integer	38	Unique identifier of the reward program. Refer to Job 115895 for details	1001	No	No	Optional	No	2.0
References									
Reference			Reference is a sub element of References						
ReferenceTypeId	Integer	22	Id of reference group – e.g. id of “Opt In?” reference		Yes	No	Yes	Optional	1.0
Id	Integer	22	Id of reference code – e.g. id of “Yes”		Yes	No	Yes	Optional	1.0
CustomData			List of custom data cards						
Cards	Alpha		Type="Array"		Yes	No	Optional	Optional	2.0

Field	Format	Max Length	Comment	Example	GET Response	GET Timestamp Response	POST Request	PUT Request	HTTP Header Accept:Version_
Card	Alpha		Name=""	Marketing data	Yes	No	Optional	Optional	2.0
Fields	Alpha		Type="Array"		Yes	No	Optional	Optional	2.0
Field	Alpha Number Boolean Date		Name=""	Social influencer 45789357 True 2020-05-25	Yes	No	Optional	Optional	2.0
ListValues	Alpha		Type="Array"		Yes	No	Optional	Optional	2.0
Value	Alpha			English	Yes	No	Optional	Optional	2.0
Addresses			There are two addresses as part of the person resource - Billing and Delivery. The following field definitions are common for both. Billing and Delivery are sub-elements of Addresses.						
AddressLine1	Alpha	50	Address line 1	Level 2	Yes	No	Yes ¹	Optional	1.0
AddressLine2	Alpha	50	Address line 2	21 Cremorne Street	Yes	No	Yes ¹	Optional	1.0
City	Alpha	50	City	Cremorne	Yes	No	Yes ¹	Optional	1.0
State	Alpha	50	State	VIC	Yes	No	Yes ¹	Optional	1.0
Postcode	Alpha	10	Post code or ZIP code	31 ²¹	Yes	No	Yes ¹	Optional	1.0
Country	Alpha	20	Country	Australia	Yes	No	Yes ¹	Optional	1.0
			Note 1: At least 1 address field must be completed for both Billing and Delivery detail						
Contacts			Contacts consist of Email and Phone numbers.						
Email	Alpha	250	Email address. This must be unique within each company/division (configured business by business).	John.Smith@APPAREL21.COM	Yes	No	Optional	Optional – if not supplied, existing	1.0

Field	Format	Max Length	Comment	Example	GET Response	GET Timestamp Response	POST Request	PUT Request	HTTP Header Accept:Version_
								email will be cleared	
Phones			Phones is a sub element of Contacts						
Home	Alpha	250	Home phone	03 94275120	Yes	No	Optional	Optional	1.0
Mobile	Alpha	250	Mobile Phone	0421 552 654	Yes	No	Optional	Optional	1.0
Work	Alpha	250	Work phone	84159300	Yes	No	Optional	Optional	1.0
Loyalties			Prior to version 3.0, this section is optional. If not supplied, loyalty information will not be updated. WARNING: From version 3.0+, if loyalty information is not supplied it will inactivate any loyalties linked to the person being updated.						
Loyalty			Loyalty is a sub reference of Loyalties						
Id	Integer	22	Id of loyalty record	123456	Yes	No	No	Yes if updating existing loyalty – No to create a new loyalty on an existing person	1.0
LoyaltyTypeId	Integer	22	Id of Loyalty Type record — Loyalties are found under group id 366	30861	Yes	No	Yes	Yes	1.0
LoyaltyType	Alpha	40	Description of loyalty	VIP Gold loyalty	Yes	No	No	No	1.0

Field	Format	Max Length	Comment	Example	GET Response	GET Timestamp Response	POST Request	PUT Request	HTTP Header Accept:Version_
CardNo	Alpha	250	Loyalty card number. All supplied numbers must begin with LM. If not supplied for a POST person, it is generated automatically using Apparel ²¹ standard logic. E.g. L prefix, loyalty ID, PERIDX	LM12345678	Yes	No	Optional	Yes	1.0
Expiry	Date yyyy-MM-dd	10	Expiry date of loyalty card for this person	2015-10-29	Optional	No	Optional	Optional	1.0
Balance	Integer	22	Loyalty balance as shown in Persons loyalty "balance" column	100	Optional	No	Optional	Optional	1.0
CreditStatus	Number	22	Extended loyalties only Displayed at store and head office under Credit Status field	1321	Optional	No	Optional	Optional	1.0
Message	Alpha	250	Extended loyalties only Message to display at POS	You are 100 points from updating to Gold	Optional	No	Optional	Optional	1.0
JoinDate	Date yyyy-MM-dd	10	Extended loyalties only Date of joining loyalty program	2014-10-01	Optional	No	Optional	Optional	1.0
StatusId	Integer	22	Extended loyalties only Id of Loyalty Status record — Status idx are found under group of 437. Typically used to determine active and inactive statuses.	1231	Optional	No	Optional	Optional	1.0
RewardsAccounts			List of rewards programs a person belongs to. Currently, limited to a single program.						1.0

Field	Format	Max Length	Comment	Example	GET Response	GET Timestamp Response	POST Request	PUT Request	HTTP Header Accept:Version_
Account			Summary of reward account details						1.0
Id	Number	38	This is the unique identifier of the rewards account of the person	1	Yes	No	No	No	1.0
ProgramId	Number	38	Rewards Program Id	1	Yes	No	No	No	1.0
ProgramName	Alpha	250	Rewards Program Name	Apparel21 Rewards Program	Yes	No	No	No	1.0
TierId	Number	38	Tier Id	1	Yes	No	No	No	1.0
TierName	Alpha	250	Tier Name	Bronze	Yes	No	No	No	1.0
Currency			Currency consists of Code and Format.						
Code	Alpha	50	Currency Code associated with the person	AUD	Yes	No	No	No	1.0
Format	Alpha	50	Format of currency display in Ap21	#,##0.00 'Aud'	Yes	No	No	No	1.0

1.38 RETRIEVE PERSON DETAILS

The Person details are retrieved by submitting a **GET**. The following URI will return person records that match the parameters entered.

1.38.1 URI REQUEST FORMAT

/Persons?countryCode={countryCode}&surname={surname}&firstname={firstname}&phone={phone}&email={email}&code={code}&password={password}

1.38.2 REQUEST PARAMETERS

Field	Required	Comment
CountryCode	Mandatory	Country Code of Shopper
Surname	Optional	
Firstname	Optional	
Email	Optional	Email address used to uniquely identify the person.
Phone	Optional	May be one of either - Home - Mobile or - Work phone number
Code	Optional	Person Code
Password	Optional	Password of the Person
LoyaltyOnly	Optional	If set to "true" will retrieve only loyalty customers on a GET and will limit the email uniqueness check to loyalty customers only on PUT and POST requests.

1.38.3 EXAMPLE REQUEST

GET

<https://retailapi.apparel21.com/RetailAPI/Persons?countryCode=AU&email=emma.girschik@apparel21.com>

Content-type: text/xml

Accept:version_2.0

1.38.4 EXAMPLE RESPONSE

```
<Person
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Id>1241</Id>
  <Code>HILLJO00</Code>
  <Title>MR</Title>
  <Initials>JH</Initials>
  <Firstname>JOHN</Firstname>
  <Surname>HILL</Surname>
```

```

<Sex>M</Sex>
<DateOfBirth />
<StartDate>2006-03-02</StartDate>
<JobTitle></JobTitle>
<Privacy>True</Privacy>
<UpdateTimeStamp>15/09/2014 2:05:34 PM</UpdateTimeStamp>
<References Type="Array">
  <Reference>
    <ReferenceTypeId>373</ReferenceTypeId>
    <Id />
  </Reference>
  <Reference>
    <ReferenceTypeId>1781</ReferenceTypeId>
    <Id />
  </Reference>
  <Reference>
    <ReferenceTypeId>1782</ReferenceTypeId>
    <Id />
  </Reference>
  <Reference>
    <ReferenceTypeId>1801</ReferenceTypeId>
    <Id />
  </Reference>
  <Reference>
    <ReferenceTypeId>1501</ReferenceTypeId>
    <Id />
  </Reference>
  <Reference>
    <ReferenceTypeId>27</ReferenceTypeId>
    <Id />
  </Reference>
</References>
<IsAgent>false</IsAgent>
<Addresses>
  <Billing>
    <ContactName />
    <AddressLine1>1 SWAN ST</AddressLine1>
    <AddressLine2 />
    <City>RICHMOND</City>
    <State>VIC</State>
    <Postcode>3121</Postcode>
    <Country>AUSTRALIA</Country>
  </Billing>
</Addresses>
<Contacts>
  <Email>john.hill@apparel21.com</Email>
  <Phones>
    <Home>0384159300</Home>
    <Mobile />
    <Work />
  </Phones>
</Contacts>
<Currency>
  <Code />
  <Format />
</Currency>
<Loyalties Type="Array">
  <Loyalty>
    <Id>1261</Id>
    <LoyaltyTypeId>8561</LoyaltyTypeId>
    <LoyaltyType>VIP</LoyaltyType>
    <CardNo>L011241</CardNo>
    <Expiry>2014-09-28</Expiry>
  </Loyalty>
</Loyalties>

```

```

        <Balance />
        <CreditStatus />
        <Message />
        <JoinDate />
        <StatusId />
    </Loyalty>
    <Loyalty>
        <Id>1262</Id>
        <LoyaltyTypeId>10570</LoyaltyTypeId>
        <LoyaltyType>Staff Loyalty 40%</LoyaltyType>
        <CardNo>L40</CardNo>
        <Expiry />
        <Balance />
        <CreditStatus />
        <Message />
        <JoinDate>2014-09-11</JoinDate>
        <StatusId />
    </Loyalty>
</Loyalties>
<RewardsAccounts>
    <Account>
        <Id>1</Id>
        <ProgramId>1</ProgramId>
        <ProgramName>Apparel21 Rewards Program</ProgramName>
        <TierId>1</TierId>
        <TierName>Bronze</TierName>
    </Account>
</RewardsAccounts>
</Person>

```

1.38.5 SUCCESS RESPONSE

HTTP Response		
200		

1.38.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404	5008	No data found
400	5013	More than one person satisfies filter
403	5144	Invalid date value: 0011-03-02

1.39 RETRIEVE SINGLE PERSON DETAILS

This request will return full details for a single person using the Person Id retrieved previously.

1.39.1 URI REQUEST FORMAT

Perform a **GET** on the following endpoint.

</Persons/{id}?countryCode={countryCode}>

1.39.2 REQUEST PARAMETERS

Field	Required	Comment
Id	Mandatory	Id of the Person
Country Code	Mandatory	Country Code of shopper
CustomData	Optional	Include Custom Data in returned Person. Set to "True" to get all valid Custom Data values

1.39.3 EXAMPLE REQUEST

GET <https://retailapi.apparel21.com/RetailAPI/Persons/4881?countryCode=AU&CustomData=true>

Content-type: text/xml

Accept:version_2.0

1.39.4 EXAMPLE RESPONSE

```
<Person
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Id>1241</Id>
  <Code>HILLJO00</Code>
  <Title>MR</Title>
  <Initials>JH</Initials>
  <Firstname>JOHN</Firstname>
  <Surname>HILL</Surname>
  <Sex>M</Sex>
  <DateOfBirth />
  <StartDate>2006-03-02</StartDate>
  <JobTitle></JobTitle>
  <Privacy>True</Privacy>
  <UpdateTimeStamp>15/09/2014 2:05:34 PM</UpdateTimeStamp>
  <References Type="Array">
    <Reference>
      <ReferenceTypeId>373</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>1781</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>1782</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>1801</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>1501</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>27</ReferenceTypeId>
      <Id />
    </Reference>
  </References>
</Person>
```



```

</References>
<CustomData>
    <Cards Type="Array">
        <Card Name="Special request">
            <Fields Type="Array">
                <Field Name="Special request from customer">Prefer to receive
a catalogue</Field>
            </Fields>
        </Card>
        <Card Name="Marketing information ">
            <Fields Type="Array">
                <Field Name="SMS ">true</Field>
                <Field Name="Email">true</Field>
            </Fields>
        </Card>
        <Card Name="hobby and interest"> <!--No data for this card-->
            <Fields Type="Array">
                <Field Name="List of interests">
                    <ListValues Type="Array"/>
                </Field>
                <Field Name="Interests">
                    <ListValues Type="Array"/>
                </Field>
            </Fields>
        </Card>
    </Cards>
</CustomData>
<IsAgent>false</IsAgent>
<Addresses>
    <Billing>
        <ContactName />
        <AddressLine1>1 SWAN ST</AddressLine1>
        <AddressLine2 />
        <City>RICHMOND</City>
        <State>VIC</State>
        <Postcode>3121</Postcode>
        <Country>AUSTRALIA</Country>
    </Billing>
</Addresses>
<Contacts>
    <Email>john.hill@apparel21.com</Email>
    <Phones>
        <Home>0384159300</Home>
        <Mobile />
        <Work />
    </Phones>
</Contacts>
<Currency>
    <Code />
    <Format />
</Currency>
<Loyalties Type="Array">
    <Loyalty>
        <Id>1261</Id>
        <LoyaltyTypeId>8561</LoyaltyTypeId>
        <LoyaltyType>VIP</LoyaltyType>
        <CardNo>L011241</CardNo>
        <Expiry>2014-09-28</Expiry>
        <Balance />
        <CreditStatus />
        <Message />
        <JoinDate />
        <StatusId />
    </Loyalty>
</Loyalties>

```

```

</Loyalty>
<Loyalty>
  <Id>1262</Id>
  <LoyaltyTypeId>10570</LoyaltyTypeId>
  <LoyaltyType>Staff Loyalty 40%</LoyaltyType>
  <CardNo>L40</CardNo>
  <Expiry />
  <Balance />
  <CreditStatus />
  <Message />
  <JoinDate>2014-09-11</JoinDate>
  <StatusId />
</Loyalty>
</Loyalties>
<RewardsAccounts>
  <Account>
    <Id>1</Id>
    <ProgramId>1</ProgramId>
    <ProgramName>Apparel21 Rewards Program</ProgramName>
    <TierId>1</TierId>
    <TierName>Bronze</TierName>
  </Account>
</RewardsAccounts>
</Person>

```

1.39.5 SUCCESS RESPONSE

HTTP Response		
200		

1.39.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		

1.40 RETRIEVE SINGLE PERSON LAST UPDATE TIMESTAMP

This request will return the last update timestamp for a single person using the Person Id retrieved previously. The timestamp returned is required when updating a person record and is used to check that the record being updated has not been modified since the record was retrieved.

1.40.1 URI REQUEST FORMAT

Perform a **GET** on the following endpoint.

</Persons/{id}/UpdateTimeStamp/?CountryCode={CountryCode}>

1.40.2 REQUEST PARAMETERS

Field	Required	Comment
Id	Mandatory	Id of the Person
Country Code	Mandatory	Country Code of shopper

1.40.3 EXAMPLE REQUEST

GET <https://retailapi.apparel21.com/RetailAPI/Persons/4881/UpdateTimeStamp/?countryCode=AU>

Content-type: text/xml

Accept:version_2.0

1.40.4 EXAMPLE RESPONSE

```
<PersonUpdateTimeStamp>
<PersonId>101451</PersonId>
<UpdateTimeStamp>2012-10-09T10:47:16</UpdateTimeStamp>
</PersonUpdateTimeStamp>
```

1.40.5 SUCCESS RESPONSE

HTTP Response		
200		

1.40.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		

1.41 CREATE NEW PERSON

Prior to a shopper generating an order through the website they must be created as a *Person* in Apparel²¹. A Person is created by submitting a **POST** to the following URI. Only one Person can be created at a time.

1.41.1 URI REQUEST FORMAT

/Persons/?countryCode={countryCode}

1.41.2 REQUEST PARAMETERS

Field	Required	Comment
CountryCode	Mandatory	Country Code of Shopper

1.41.3 EXAMPLE REQUEST

POST <https://retailapi.apparel21.com/RetailAPI/Persons/?countryCode=AU>

Content-type: text/xml

Accept:version_2.0

1.41.4 EXAMPLE PAYLOAD

```
<Person>
  <Title>MS</Title>
  <Initials>AM</Initials>
```

```

<Firstname>ALICE</Firstname>
<Surname>MCGINTY</Surname>
  <References Type="Array">
    <Reference>
      <ReferenceTypeId>373</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>1781</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>1782</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>1801</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>1501</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>27</ReferenceTypeId>
      <Id />
    </Reference>
  </References>
<CustomData>
  <Cards Type="Array">
    <Card Name="My_sample_data"> <!--If no data, pass the card with empty value fields -->
      <Fields Type="Array">
        <Field Name="My_card_No">LMI01234567890123</Field>
        <Field Name="Preferred language">
          <ListValues Type="Array">
            <Value>English</Value>
          </ListValues>
        </Field>
        <Field Name="MID_Line">45789357</Field>
        <Field Name="Collect">true</Field>
        <Field Name="Usage">true</Field>
        <Field Name="Disclosure">true</Field>
        <Field Name="Allow_Contact">>false</Field>
        <Field Name="Email_Status">true</Field>
        <Field Name="SMS_Status">>false</Field>
        <Field Name="DirectMail_Status">true</Field>
        <Field Name="Terms and Condition">true</Field>
      </Fields>
    </Card>
  </Cards>
</CustomData>
<IsAgent>>false</IsAgent>
<Addresses>
  <Billing>
    <ContactName />
    <AddressLine1>1 SWAN ST</AddressLine1>
    <AddressLine2 />
    <City>RICHMOND</City>
    <State>VIC</State>
    <Postcode>3121</Postcode>
    <Country>AUSTRALIA</Country>
  </Billing>
</Addresses>

```

```

<Contacts>
  <Email>alice.mcginty@gmail2.com</Email>
</Contacts>
<Loyalties Type="Array">
  <Loyalty>
    <LoyaltyTypeId>10570</LoyaltyTypeId>
    <CardNo>L4012345</CardNo>
    <Expiry />
    <Balance />
    <CreditStatus />
    <Message />
    <JoinDate>2014-09-11</JoinDate>
    <StatusId />
  </Loyalty>
</Loyalties>
</Person>

```

1.41.5 SUCCESS RESPONSE

HTTP Response		
201		Newly created person referenced by the URI returned in the location header field.

1.41.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
400	5000	Surname is required
400	5001	Firstname is required
400	5003	Code must be blank to create new person
400	5004	Email is required
400	5005	Billing address is required
400	5006	Email already exists for other person
400	5089	Reference id is invalid
400	5090	Reference id is invalid for the reference type
400	5091	Reference id is required for the reference type id 9999
400	5099	Invalid date format. Valid format is 'yyyy-MM-dd' This occurs when Start Date or Date of Birth date formats are incorrect.
400	5111	Invalid privacy flag 'xxxx' – must be 'true' or 'false'
400	5109	Invalid numeric value: 'xxx'
400	5101	Loyalty type is empty
400	5106	Invalid loyalty type id: 'xxxx'
400	5103	Person already has a loyalty card of type: 'xxxx'
400	5102	Loyal card number 'xxx' is being used
400	5104	Loyalty card number 'xxx' is invalid. It should start with 'LM' OR 'L1'
400	5105	Loyalty card number is empty
403	5014	Size of field XXXX, 9999 is too long. Maximum length is 9999.
403	5209	A person is already attached to docket Dxxxxxx
403	5210	Docket Number Dxxxxxx is not valid
403	5193	Card name 'xxxxx' is invalid
403	5194	Card name is missing
403	5195	Field name 'xxxxx' is invalid
403	5196	Field value 'xxxx' is invalid for Field: 'XXXXX'

403	5197	Field type is invalid. Field: 'XXXX'
403	5198	Field length is invalid. Field: 'TextXX'; Field Value: 'xxx'
403	5199	Nonnumeric data found for numeric field. Field: 'XXX';Field Value: 'xxx'
403	5200	Invalid value range. Field: 'NumberXXX'; Field Value: 'number'
403	5201	Invalid date format. Valid format is 'yyyy-MM-dd'. Field: 'DateXXX'; Field Value: 'dd-mm-yyyy'
403	5202	Invalid reference. Field: XXXX
403	5203	Multiple values not allowed. Field: 'Tag List XXX'
403	5204	Invalid list value. Field: 'Tag List XX' ; List Value: 'xxx'
403	5205	Record not exist
403	5206	No Person Template Found

1.42 UPDATE EXISTING PERSON

Update details for a Person by submitting a **PUT** to the following URI.

Note: all person data not supplied in the payload will be cleared off the person account except for Custom Data which still remains the same.

As person data can be updated in many places of Apparel²¹ (retail API, POS, Person Maintenance), it is essential to get the latest person data before posting an update so that no changes are lost. To determine whether the latest data is being supplied, the “update time stamp” element is used. This supplied information must match the current status of the person for an update to be successful.

1.42.1 URI REQUEST FORMAT

/Persons/{id}?countryCode={countryCode}

1.42.2 REQUEST PARAMETERS

Field	Required	Comment
Id	Mandatory	Person id retrieved from the person GET
CountryCode	Mandatory	Country Code of Shopper

1.42.3 EXAMPLE REQUEST

PUT <https://retailapi.apparel21.com/RetailAPI/Persons/4881?countryCode=AU>

Content-type: text/xml

Accept:version_2.0

1.42.4 EXAMPLE PAYLOAD

```
<Person>
  <Title>Mr</Title>
  <Firstname>Fred</Firstname>
  <Surname>Smith</Surname>
```

```

<Sex>M</Sex>
<UpdateTimeStamp>11/11/2014 3:54:30 PM</UpdateTimeStamp>
<References>
  <Reference>
    <ReferenceTypeId>373</ReferenceTypeId>
    <Id />
  </Reference>
  <Reference>
    <ReferenceTypeId>1781</ReferenceTypeId>
    <Id />
  </Reference>
  <Reference>
    <ReferenceTypeId>1782</ReferenceTypeId>
    <Id />
  </Reference>
  <Reference>
    <ReferenceTypeId>1801</ReferenceTypeId>
    <Id />
  </Reference>
  <Reference>
    <ReferenceTypeId>1501</ReferenceTypeId>
    <Id />
  </Reference>
  <Reference>
    <ReferenceTypeId>27</ReferenceTypeId>
    <Id />
  </Reference>
</References>
<CustomData>
<Cards Type="Array">
  <Card Name="Special request">
    <Fields Type="Array">
      <Field Name="Special request from customer">Prefer to receive a
catalog via post</Field>
    </Fields>
  </Card>
  <Card Name="Marketing information "> <!--This clears out data from card-->
    <Fields Type="Array">
      <Field Name="SMS "/>
      <Field Name="Email"/>
      <Field Name="Address"/>
    </Fields>
  </Card>
</Cards>
</CustomData>
<Addresses>
  <Billing>
    <ContactName />
    <AddressLine1>101 Cremorne St</AddressLine1>
    <AddressLine2 />
    <City>CREMORNE</City>
    <State>VIC</State>
    <Postcode>3121</Postcode>
    <Country>AUSTRALIA</Country>
  </Billing>
</Addresses>
</Person>

```

1.42.5 SUCCESS RESPONSE

HTTP Response		
200		

1.42.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
400	5000	Surname is required
400	5001	Firstname is required

400	5003	Code must be blank to create new person
400	5004	Email is required
400	5005	Billing address is required
400	5006	Email already exists for other person
400	5010	Person has been updated by another user – Update Time Stamp has changed from date/time to date/time This occurs if user is updating an existing person but either hasn't supplied an "updated time stamp" element or has supplied one that is out of date.
400	5089	Reference id is invalid
400	5090	Reference id is invalid for the reference type
400	5091	Reference id is required for the reference type id 9999
400	5099	Invalid date format. Valid format is 'yyyy-MM-dd' This occurs when Start Date or Date of Birth date formats are incorrect.
403	5014	Size of field XXXX, 9999 is too long. Maximum length is 9999.
403	5193	Card name 'xxxxx' is invalid
403	5194	Card name is missing
403	5195	Field name 'xxxxx' is invalid
403	5196	Field value 'xxxx' is invalid for Field: 'XXXXX'
403	5197	Field type is invalid. Field: 'XXXX'
403	5198	Field length is invalid. Field: 'TextXX'; Field Value: 'xxx'
403	5199	Nonnumeric data found for numeric field. Field: 'XXX';Field Value: 'xxx'
403	5200	Invalid value range. Field: 'NumberXXX'; Field Value: 'number'
403	5201	Invalid date format. Valid format is 'yyyy-MM-dd'. Field: 'DateXXX'; Field Value: 'dd-mm-yyyy'
403	5202	Invalid reference. Field: XXXX
403	5203	Multiple values not allowed. Field: 'Tag List XXX'
403	5204	Invalid list value. Field: 'Tag List XX' ; List Value: 'xxx'
403	5205	Record not exist
403	5206	No Person Template Found

1.43 GET LIST OF CUSTOM DATA TEMPLATES

A new GET endpoint is added to assist web developers for getting the list of custom data templates available on a web warehouse. Besides, details of a single template can be retrieved by supplying the template name.

Field	Format	Comment	Example	Single template by name	HTTP Header Accept:Version
CustomData		List of custom data templates		Yes	2.0
Template	Alpha			Yes	2.0
Name	Alpha	Template name		Yes	2.0
ImageUrl	Alpha	A web-based image URL	https://apparel21.com/wp-content/uploads/2018/07/hero_p.jpg	Yes	2.0
Fields	Alpha	Type="Array"		Yes	2.0
Field	Alpha			Yes	2.0
Label	Alpha	Label for data field		Yes	2.0
Type	Alpha	Data type of data field. There are 6 data types available.	Text Memo Date Number Checkbox TagList	Yes	2.0
Length	Number	For Text data type	1000	Yes	2.0
Min	Number	For Number data type	0	Yes	2.0
Max	Number	For Number data type	1000	Yes	2.0
TagListMultiSelect	Alpha	For TagList datatype	False True	Yes	2.0
IsAdhocList	Alpha	For TagList datatype	False True	Yes	2.0
Tags	Alpha	Type="Array"		Yes	2.0
Tag	Alpha			Yes	2.0
Value	Alpha	For TagList datatype	Australia	Yes	2.0

1.43.1 URI REQUEST FORMAT

/Persons/customdatatemplates?countryCode={countryCode}

1.43.2 REQUEST PARAMETERS

Field	Required	Comment
CountryCode	Mandatory	Country Code of Shopper

1.43.3 EXAMPLE REQUEST

GET <http://v-devserver2012/intldocretailapi/Persons/customdatatemplates?countryCode=AU>

Content-type: text/xml

Accept:version_2.0

1.43.4 EXAMPLE RESPONSE

```
<CustomData xmlns:xsd="http://www.w3.org/2001/XMLSchema" mlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">
  <Template>
    <Name>Special request</Name>
    <ImageUrl/>
    <Fields Type="Array">
      <Field>
        <Label>Special request from customer</Label>
        <Type>Memo</Type>
      </Field>
    </Fields>
  </Template>
  <Template>
    <Name>Marketing information </Name>
    <ImageUrl/>
    <Fields Type="Array">
      <Field>
        <Label>SMS </Label>
        <Type>Checkbox</Type>
      </Field>
      <Field>
        <Label>Email</Label>
        <Type>Checkbox</Type>
      </Field>
      <Field>
        <Label>ID</Label>
        <Type>Number</Type>
        <Min>0</Min>
        <Max>10000</Max>
      </Field>
    </Fields>
  </Template>
</CustomData>
```

1.43.5 SUCCESS RESPONSE

HTTP Response

200

1.43.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
403	5015	No person template available for the warehouse
403	5206	No person template found

1.44 GET A SINGLE TEMPLATE BY TEMPLATE NAME

1.44.1 URI REQUEST FORMAT

/Persons/customdatatemplates/{template name}?countryCode={countryCode}

1.44.2 REQUEST PARAMETERS

Field	Required	Comment
Template name	Mandatory	Name of the custom data template
CountryCode	Mandatory	Country Code of Shopper

1.44.3 EXAMPLE REQUEST

GET <http://v-devserver2012/intldocretailapi/Persons/customdatatemplates/hobby%20and%20interest?countryCode=AU>

Content-type: text/xml

Accept:version_2.0

1.44.4 EXAMPLE RESPONSE

```
<CustomData xmlns:xsd=http://www.w3.org/2001/XMLSchema xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Template>
    <Name>hobby and interest</Name>
    <ImageUrl/>
    <Fields Type="Array">
      <Field>
        <Label>List of interests</Label>
        <Type>TagList</Type>
        <TagListMultiSelect>False</TagListMultiSelect>
        <IsAdhocList>False</IsAdhocList>
        <Tags Type="Array">
          <Tag>
            <Value>Arts and crafts</Value>
          </Tag>
        </Tags>
      </Field>
    </Fields>
  </Template>
</CustomData>
```

```

        <Tag>
            <Value>Cooking</Value>
        </Tag>
        <Tag>
            <Value>Gaming</Value>
        </Tag>
        <Tag>
            <Value>Movie</Value>
        </Tag>
        <Tag>
            <Value>Music</Value>
        </Tag>
        <Tag>
            <Value>Sports</Value>
        </Tag>
    </Tags>
</Field>
</Fields>
</Template>
</CustomData>

```

1.44.5 SUCCESS RESPONSE

HTTP Response

200	
-----	--

1.44.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
403	5015	No person template available for the warehouse
403	5206	No person template found

13 CARTS

The Shopping Cart is presented to the API to validate the contents and apply latest prices, promotions and freight as defined in Apparel²¹.

When you PUT a shopping cart to the API, the prices are checked and tax and any promotional discounts are calculated. Prices are not checked for products that are Gift Vouchers, the API will accept the price that is passed with the product.

Freight charges are also added as defined in the Apparel²¹ back office setup. The returned Cart information can be used to generate the Order XML payload then call the API to create the actual Order. It is not mandatory to use to Cart function to generate the order payload.

Note: the contents of a cart are not stored by the API or Apparel²¹.

1.45 CART DETAILS

Field	Format	Max Length	Comment	Example	PUT Request	PUT Response	HTTP Header Accept:Version_
Id	Integer	22	Order Id	96854213	Optional	As per request	1.0
OrderNumber	Alpha	30	Unique Order Number	W0000125	Optional	As per request	1.0
PersonId	Integer	22	Unique Person Id	3583	Optional	As per request	1.0
SyncedAt	Date(YYYY-MM-DD)	10	Cart synchronisation date	7/07/2011 12:10:57 PM	Optional	Yes	1.0
TotalQuantity	Number	22	Total quantity of ordered products	125	Optional	Yes	1.0
TotalTax	Num(22,2)	22	Tax value calculated by API based on TaxPercent and CartDetail.Value)	10.95	No	Yes	1.0
TotalDiscount	Num(22,2)	22	Discount value (Calculated by API base on Sum of CartDetail.Discount)	20.16	Optional	Yes	1.0
TotalDue	Num(22,2)	22	Due value (Calculated by API base on Sum of individual product final value + freight value)	2000.25	Optional	Yes	1.0
TotalWeight	Num(22,2)	22	Total weight of goods (Calculated by API base on CartDetail.UnitWeight * CartDetail.Quantity)	1000	Optional	Yes	1.0
TaxAdjustment	Num(22,2)	22	Tax adjustment value. Product prices are initially shown with the tax rate based on the default Pricing Customer set up in Apparel21. If the tax rate for the final customer is different to this an adjustment value will be provided.	25	No	Yes	1.0

Field	Format	Max Length	Comment	Example	PUT Request	PUT Response	HTTP Header Accept:Version_
Addresses			There are two addresses as part of the Order resource - Billing and Delivery. The following field definitions are common for both. Billing and Delivery are sub-elements of addresses.				
AddressLine1	Alpha	50	Address line 1	Level 2	Optional	As per request	1.0
AddressLine2	Alpha	50	Address line 2	21 Cremorne Street	Optional	As per request	1.0
State	Alpha	50	State	VIC	Optional	As per request	1.0
Postcode	Alpha	10	Post code or ZIP code	3121	Optional	As per request	1.0
Country	Alpha	20	Country	Australia	Optional	As per request	1.0
Contacts			Contacts consists of Email and Phone numbers.				
Email	Alpha	250	Email address. This is mandatory as it is used to uniquely identify the person.	AJIT.CHANDRAN@APPAREL21.COM	Optional	As per request	1.0
Phones			Phones is a sub element of Contacts				
Home	Alpha	250	Home phone	03 94275120	Optional	As per request	1.0
Mobile	Alpha	250	Mobile Phone	0421 552 654	Optional	As per request	1.0
Work	Alpha	250	Work phone	84159300	Optional	As per request	1.0
CartDetails			Contains a list of CartDetail				
CartDetail			CartDetail is a sub-element of CatDetails				

Field	Format	Max Length	Comment	Example	PUT Request	PUT Response	HTTP Header Accept:Version_
Id	Integer	22	Number generated by API, position of the CartDetail in the CartDetails list, for reference purpose only	1	Optional	Yes	1.0
Sequence	Integer	22	Number generated by API, position of the orderDetail in the OrderDetails list, for reference purpose only	10	Optional	As per request	1.0
ProductId	Integer	22	Unique Product Id	3641	Optional	Yes	1.0
ColourId	Integer	22	Unique Colour Id	2566	Optional	Yes	1.0
Skuld	Integer	22	Unique SKU Id	1234	Yes	Yes	1.0
ProductCode	Alpha	10	Unique Product Code	W00123	Optional	Yes	1.0
ProductName	Alpha	30	Product Name	Long Sleeve Shirt	Optional	Yes	1.0
ColourCode	Alpha	21	Colour Code	BLK	Optional	Yes	1.0
ColourName	Alpha	61	Colour Name	Black	Optional	Yes	1.0
SizeCode	Alpha	7	Size Code	XL	Optional	Yes	1.0
Quantity	Num(22,2)	22	Quantity of product	100	Yes	Yes	1.0
Price	Num(22,2)	22	Price of the CartDetail	210	Optional	Yes	1.0
Discount	Num(22,2)	22	Discount of the CartDetail	50	Optional	Yes	1.0
Value	Num(22,2)	22	Net Value (Price * Quantity)	160.25	Optional	Yes	1.0
UnitWeight	Num(22,2)	22	Unit Weight	50.5	Optional	Yes	1.0
Discounts			Discounts is a sub-element of Cart Detail				
Id	Integer	22	Number generated by API, position of the Discount in the Discounts list, for reference purpose only	123	Optional	As per request	1.0
Parentid	Integer	22	Parent CartDetail Id	1	Optional	As per request	1.0
DiscountType	Alpha	50	API defined Type of Discount	ManualDiscount	Optional	As per request	1.0

Field	Format	Max Length	Comment	Example	PUT Request	PUT Response	HTTP Header Accept:Version_
			Manual Discount, Promotion Discount, Loyalty Discount or unknown				
DiscountTypeId	Integer	22	API defined Discount Type Id 1 for ManualDiscount, 2 for PromotionDiscount, 3 for LoyaltyDiscount	1	Optional	As per request	1.0
Promold	Integer	22	API defined Promotion Id	1080 (for Buy 2 get 10% off a TIE)	Optional	As per request	1.0
loyaltyId	Integer	22	API defined Loyalty Id	109605 (for Member)	Optional	As per request	1.0
Sequence	Integer	22	Number generated by API, position of the Discount in the Discounts list, for reference purpose only	0	Optional	As per request	1.0
Description	Alpha	50	API generated Description of Discount	Loyalty discount Member	Optional	As per request	1.0
Percentage	Num(22,2)	22	Discount percentage in number	20	Optional	As per request	1.0
Value	Num(22,2)	22	Discount Value	10	Optional	As per request	1.0
TaxPercent	Num(22,2)	22	Tax percentage in number (12.5 for 12.5%)	12.5	Optional	As per request	1.0
SelectedFreightOption			Selected Freight Option				
Id	Integer	22	Freight Id (Read from Apparel21 system GIT, provided by Apparel ²¹ Consultant)	123	Optional	As per request	1.0
Name	Alpha	250	Freight Name	Fox Freight Service	Optional	As per request	1.0
Value	Num(22,2)	22	Freight Value	156	Optional	As per request	1.0

Field	Format	Max Length	Comment	Example	PUT Request	PUT Response	HTTP Header Accept:Version_
FreightOptions			List of Freight Options available				1.0
Id	Integer	22	Freight Id (Read from Apparel ²¹ system GIT)	123	Optional	As per request	1.0
Name	Alpha	250	Freight Name	Fox Freight Service	Optional	As per request	1.0
Value	Num(22,2)	22	Freight Value	156	Optional	As pear request	1.0

1.46 SUBMIT CART

The Cart details are submitted by a **PUT** to the following URI.

1.46.1 URI REQUEST FORMAT

/Carts/{id}?countryCode={countryCode}

1.46.2 REQUEST PARAMETERS

Field	Required	Comment
Id	Mandatory	Your Id for the cart
CountryCode	Mandatory	Country Code of Shopper

1.46.3 EXAMPLE REQUEST

PUT <https://retailapi.apparel21.com/RetailAPI/Carts/1234?countryCode=AU>

Content-type: text/xml

Accept:version_2.0

1.46.4 REQUEST PAYLOAD

```
<Cart>
<PersonId>101451<PersonId>
  <CartDetails>
    <CartDetail>
      <Id>829</Id>
      <SkuId>21503</SkuId>
      <Quantity>2</Quantity>
      <Price>69.95</Price>
      <Value>139.90</Value>
    </CartDetail>
  </CartDetails>
</Cart>
```

1.46.5 SUCCESS RESPONSE

HTTP Response		
200		

1.46.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
400	5033	No products in cart
403	5014	Size of field XXXX, 9999 is too long. Maximum length is 9999.

1.46.7 RESPONSE PAYLOAD

```
<Cart>
  <SyncedAt>2012-10-09T12:05:47</SyncedAt>
```

```

<TotalQuantity>2</TotalQuantity>
<TotalTax>12.72</TotalTax>
<TotalDiscount>0</TotalDiscount>
<TotalDue>139.90</TotalDue>
<TotalWeight>0</TotalWeight>
<CartDetails Type="Array" TotalRows="1">
  <CartDetail>
    <Id>1</Id>
    <ProductId>8843</ProductId>
    <ColourId>10702</ColourId>
    <SkuId>21503</SkuId>
    <ProductCode>00122</ProductCode>
    <ProductName>Cotton Drill Overall </ProductName>
    <ColourCode>S-331</ColourCode>
    <ColourName>S- Safety Orange</ColourName>
    <SizeCode>57</SizeCode>
    <Quantity>2</Quantity>
    <Price>69.95</Price>
    <Discount>0</Discount>
    <Value>139.90</Value>
    <UnitWeight>0</UnitWeight>
    <TaxPercent>10</TaxPercent>
  </CartDetail>
</CartDetails>
<SelectedFreightOption>
  <Id />
  <Name />
  <Value>0</Value>
</SelectedFreightOption>
<FreightOptions>
  <FreightType>
    <Id>161</Id>
    <Name>Express</Name>
    <Value>10</Value>
  </FreightType>
  <FreightType>
    <Id>162</Id>
    <Name>Standard</Name>
    <Value>10</Value>
  </FreightType>
</FreightOptions>
<TaxAdjustment>0</TaxAdjustment>
</Cart>

```

Tax, discounts and freight charges will be applied to the cart based on the configurations in Apparel²¹.

If tax is adjusted based on the customer settings in Apparel²¹, an adjustment to the standard website tax rate will be displayed here.

The cart update should be performed as products are added, deleted and/or quantities modified or if the date changes.

14 ORDERS

To create an order, either use the detail returned from the Cart PUT response, or generate the order detail independently.

The information at the root level of the Order payload contains detail about the customer (person), payment information, freight, and contact details. If Person details, i.e. address are changed when the order is posted, changes will be saved against that order only. The Person master file record is not modified unless the API receives a *PUT* to the person record.

The order detail contains product information to SKU level that the customer has ordered including

- Product Code
- Size (if applicable)
- Colour (if applicable)
- Pricing
- Discounts (if applicable)

When the order is created in Apparel²¹ it is comprised of detail generated from the API and default information from Apparel²¹. Order details can also include orders entered directly into Apparel²¹, not via the website. This could be in store orders, telephone orders, returns and exchanges.

1.46.8 PRODUCT AND FREIGHT PRICING

The pricing shown on the order for products and freight can be generated from

- the cart PUT response
- generated from the website
- a combination of the above

In some instances the website will need to post pricing it has generated, for example freight rates or a special charge that does not have the price setup in Apparel²¹. When these details are added to the *create order* payload, they should show the tax rate that applies to the price that has been sent. For example if the Freight was \$10 and no tax applied the tax percentage should be shown as '0'.

```
<OrderDetail>
.....*
<Quantity>1</Quantity>
<Price>10</Price>
<Value>10</Value>
<TaxPercent>0</TaxPercent>
.....*
</OrderDetail>
```

1.46.9 PAYMENTS

Apparel²¹ Retail API requires payment information for all posted orders. Payment totals must match the posted order total.

There are three types of payment possible;

1. Credit Card – shopper has paid for the order via website payment gateway (including PayPal, SecurePay, Adyen or Afterpay)
2. Direct Debit – shopper will deposit money into bank account as a separate process
3. Zip – shopper has paid for the order via website with Zip payment gateway

Note: Direct Debit payment method is NOT available for Click and collect / buy online pick up in store orders.

Note: POST Orders will be rejected where the payment is not equal to the Price X Quantity and the <TotalDiscount> or <Discount> elements are incorrect or missing.

1.46.10 GIFT VOUCHERS

Gift voucher sales are processed in the same manner as a standard product sale (using a product id for gift voucher product). However, there are additional elements available for voucher sales;

- Voucher Type
- Voucher Number (optional – normally not supplied) – used for when third party is selling/activating a physical gift voucher and number is already known
- Email subject – for emailed gift vouchers
- Personalised message – message for recipient
- Email – address for emailed gift vouchers
- SenderName – friendly name for sender of gift voucher e.g. Mummy – used to print on the voucher
- ReceiverName – friendly name for receiver of gift voucher e.g. Daddy – used to print on the voucher

Refer to the Section [Gift Vouchers](#) for detail required when selling a gift voucher. If the Gift Voucher does not have a value in Apparel²¹ the value of the voucher must be sent by the API.

Gift Voucher type products cannot be ordered for orders that are Click & Collect (i.e. An order where the PickupStoreId differs from the web.config warehouse).

1.46.11 RETURNS

The API supports entry of a pending return of stock to the warehouse (introduced in version 2.3).

Return quantities are entered as negative quantity and must have a return reason code assigned with optional text notes.

Valid return reason ids are retrieved as [References](#). To obtain list of return reason ids with their code and long name, this is retrieved as *ReferenceTypeId* = 272.

Where the stock is NOT going to be sent back to the warehouse, it is possible to post a return and automatically finalise it (refunds customer and posts negative sales and financials for the returned items and creates a stock adjustment). This is done using the <StockUpdate> element. This was introduced in version 2020.3 of Apparel21.

Where this element is NOT supplied as “false”, the return is always assumed to be stock updated. i.e. The stock will be sent back to the warehouse for the return as a separate transaction.

1.46.12 US EXTENDED TAX – VARIABLE TAX ON TOP OF PRICES

The Apparel²¹ Retail API will accept Tax Percentages where the Tax will be calculated and added on to the Product Price. It also supports where price includes tax – see [Website tax rates – prices include tax](#) section for more information.

To use this functionality to add the tax on to the Product Price the <PriceIncludeTax> element in the <Order> header should be set to **false**

```
<Order>
  <OrderNumber>POST_Orders310520131110</OrderNumber>
  <DeliveryInstructions>Step:POST 'Orders', to create an order with a single product ,
no discounts, no Freight.</DeliveryInstructions>
  <PricesIncludeTax>false</PricesIncludeTax>
```

The Tax Percentage is be sent through on each <Order Detail> using the <TaxPercent> element

```
<OrderDetail>
  <Id>57285</Id>
  <Sequence>1</Sequence>
  <ProductId>6184</ProductId>
  <ColourId>7109</ColourId>
  <SkuId>17081</SkuId>
  <ProductCode>AUTOITEM1</ProductCode>
  <ProductName>Automation - Style Only</ProductName>
  <ColourCode>-</ColourCode>
  <ColourName>-</ColourName>
  <SizeCode>-</SizeCode>
  <Quantity>1</Quantity>
  <Price>45.90</Price>
  <Value>51.64</Value>
  <TaxPercent>12.5</TaxPercent>
</OrderDetail>
```

The <Value> element should equal <Price>+<Price>*<TaxPercent> - if this is not specified the Order will POST with the correct financials.

The GET Orders will return the <TaxPercent> specified even if it was not used (e.g Australian Store). **Do not** pass a tax rate for Non-US Stores to avoid confusion.

1.46.13 WEBSITE TAX RATES – VARIABLE TAXES WITH PRICE INCLUSIVE OF TAX

For some European websites, the collected tax rates might vary depending on the customer’s delivery address. The prices may continue to be inclusive of tax but the tax proportion varies.

Where the website is calculating the tax rate, it can be passed through to Apparel21 against the order (but NOT the GET CART call).

The element <UseSubmittedTaxRates>true</UseSubmittedTaxRates> against the order implies that the tax rates will be coming from detail items. If tax is to be supplied, each item must be posted with a <TaxPercent> element with the tax rate to be used.

1.46.14 DISCOUNTS

Discounts can be supplied to the order. There are four types of discounts:

- 1 = Discount applied by the website
- 2 = Discount from an Apparel²¹ promotion – using promotion id as supplied when submit cart
- 3 = Discount from Apparel²¹ loyalty calculation – using loyalty id as supplied when submit cart
- 4 = Discount from reward redemption – using redemption details as supplied when submit cart

Many manual discounts (type 1) can apply to a single detail. Only one promotion, one loyalty discount and one reward redemption discount can apply to a single detail line.

When using multiple discounts, they need to be supplied in the sequence of type 1, type 2, type 3 and then type 4.

Discount values should correspond to currency precision. For example, if the order is for AUD, discount of 1.99 is acceptable but 1.9999 is not acceptable because AUD supports 2 decimal currency only.

As well as supplying the discount amount, Apparel²¹ supports update of discount reason and web discount information.

Discount reason (Reason id) can be supplied for each manual discount. These reasons link to Apparel²¹ reason codes. The list of reasons can be read by getting [Reference](#) type 271 codes.

Alternatively, if the website itself is calculating discount information, this can be passed through to the order so that the Customer Service team can view the details in the Apparel²¹ screens when servicing shopper queries. The following four fields are text fields that have no bearing on the discount calculation but are used to post web discount information for visibility only.

1. WebDiscount
2. WebPromotion
3. WebCampaign
4. WebCoupon

1.47 ORDER DETAILS

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept: Version_
Id	Integer	22	Unique Order Id generated by API	96854213	Yes	No	1.0
RowNumber	Integer	10	Number generated by API, position of the order in the Order list, for reference purpose only	10	Yes	No	1.0
OrderNumber	Alpha	30	If left blank for a POST request, the API will generate a unique order number. If an <i>OrderNumber</i> is entered, this will be known in Apparel ²¹ as Customer Order Number	W0000125	Yes	Optional	1.0
UseSubmittedTaxRate	true / false		Accepts 'true' or 'false'. If set to 'true' the <i>Tax Percent</i> field MUST be supplied against each item purchased (including freight and gift vouchers). This model is for when price is including tax.	true	If supplied originally	Optional	1.0
PricesIncludeTax	true/false	-	Prices include tax. Needs to be set to False for US Extended Tax orders only. If not supplied, it is assumed that price does NOT include tax.	True	No	No	2.0
PersonId	Integer	22	Unique Person Id generated by API	3583	Yes	Yes	1.0
WarehouseId	Integer	22	Id of the Web Store	4141	Yes	No	2.0

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept: Version_
OrderDateTime	Date(YYYY-MM-DDTHH:MM:SS)	10	Order date time. This is the date that the website delivers, not the Head Office date.	2011-07-11T00:00:00	Yes	Optional	1.0
TotalQuantity	Num(22,2)	22	Total quantity of ordered products	125	Yes	No	1.0
TotalTax	Num(22,2)	22	Tax value.	10.95	Yes	No	1.0
TotalDiscount	Num(22,2)	22	Discount value	20.16	Yes	No	1.0
TotalDue	Num(22,2)	22	Due amount value (Sum of individual product final value + freight value)	2000.25	Yes	No	1.0
TotalPayment	Num(22,2)	22	Payment value	2000.25	Yes	No	1.0
PickupStoreId	Num(22,2)	22	Id of Store the product will be picked up or despatched from – required if Customer is collecting from a Retail Store as a “Click and Collect” order. Optional for “Despatch from Store” orders. When PickupStore specified and despatch type is “Despatch From Store” order is created against specified despatch location.	4141	Yes	Optional	1.0
DespatchType	Alpha	20	Allows values ClickAndCollect, DespatchFromStore, DespatchFromWarehouse or Blank.	DespatchFromStore	Yes	Optional	2.0

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept: Version_
			<p>DespatchFromWarehouse is the default value. A blank DespatchType is treated as a normal warehouse despatch order.</p> <p>Optional for ClickAndCollect orders.</p> <p>Required only when eCommerce site is passing the despatch location to AP21. Eg: when shopper offered 3 HR delivery option on website.</p>				
ExpectedDeliveryDate	Date		<p>Can be used to nominate an expected delivery date for an order. Typically, used for week day after hours or Saturday deliveries to let carrier know when the customer is expecting the delivery.</p> <p>Must be in yyyy-MM-dd format. Does NOT support passing a time.</p>	2019-12-10	Yes	Optional	2.0
Carrier							
Id	Number		Index of carrier id reference code. Id or Code can be passed.	1767	No	Optional	2.0
Code	Alpha	15	Reference code name of Carrier. Id or Code can be passed.	TNT	No	Optional	2.0
ServiceType							

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept: Version_
Id	Number		Index of the Service Type reference code. Id or Code can be passed.	1780	Yes	Optional	2.0
Code	Alpha	15	Reference code name of Service Type. Id or Code can be passed.	Express	Yes	Optional	2.0
SLA							
Id	Number		Index of the SLA reference code. Value sent gets ignored when a <selectedfreight> is passed - SLA tied to selectedfreight option in GIT is saved against the web order. Added in v2018.	16784	Yes	Optional	2.0
Code	Alpha	15	Reference code name of SLA. Value sent gets ignored when a <selectedfreight> is passed - SLA tied to selectedfreight option in GIT is saved against the web order. Added in v2018.	SameDay	Yes	Optional	2.0
DeliveryInstructions	Alpha	250	Delivery Instructions	Deliver on Monday	Yes	Optional	1.0
UnattendedDeliveryOption	Alpha	16	Optional. Valid values are 'AuthorityToLeave' or 'None'. If not passed, defaults to 'None'. Added in v2018.1.	AuthorityToLeave	Yes	Yes	2.0
Addresses			Addresses consists of Billing and Delivery				
Billing			Billing is a sub-element of Addresses				

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept: Version_
AddressLine1	Alpha	50	Address line 1	Level 2	Yes	Yes ¹	1.0
AddressLine2	Alpha	50	Address line 2	21 Cremorne Street	Yes	Yes ¹	1.0
City	Alpha	50	City	Cremorne	Yes	Yes ¹	1.0
State	Alpha	50	State	VIC	Yes	Yes ¹	1.0
Postcode	Alpha	10	Post code or ZIP code	3121	Yes	Yes ¹	1.0
Country	Alpha	20	Country	Australia	Yes	Yes ¹	1.0
			Note 1: At least 1 Billing field must be completed for a <i>POST</i>				
Delivery			Delivery is a sub-element of Addresses				
ContactName	Alpha	100	Contact Name	Jane Smith	Yes	Yes ¹ Mandatory if sale is for Gift Voucher	1.0
CompanyName	Alpha	50	Company Name against Delivery Address only. Must have head office configuration to display on reports / labels	Apparel21	Yes	No	1.0
AddressLine1	Alpha	50	Address line 1	Level 2	Yes	Yes ¹	1.0
AddressLine2	Alpha	50	Address line 2	21 Cremorne Street	Yes	Yes ¹	1.0
City	Alpha	50	City	Cremorne	Yes	Yes ¹	1.0
State	Alpha	50	State	VIC	Yes	Yes ¹	1.0
Postcode	Alpha	10	Post code or ZIP code	3121	Yes	Yes ¹	1.0
Country	Alpha	20	Country	Australia	Yes	Yes ¹	1.0
			Note 1: At least 1 Delivery field must be completed for a <i>POST</i>				
Contacts			Contacts consists of Email and Phone numbers.				

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept: Version_
Email	Alpha	250	Email address. This is mandatory as it is used to uniquely identify the person's billing email.	ajit.chandran@apparel ²¹ .com	Yes	Yes	1.0
Phones			Phones is a sub element of Contacts				
Home	Alpha	250	Home phone	03 94275120	Yes	Optional	1.0
Mobile	Alpha	250	Mobile Phone	0421 552 654	Yes	Optional	1.0
Work	Alpha	250	Work phone	84159300	Yes	Optional	1.0
DeliveryContacts			DeliveryContacts consists of Email and Phone numbers.				
Email	Alpha	250	Delivery email address. This doesn't need to be supplied if it is the same as the Contact email address. If this is NOT supplied, the Contact email address will be used as the delivery reference at POS for searching for sales or managing freight bookings. The Delivery email address is also used for delivery of purchased gift vouchers if the Voucher – Email element hasn't been supplied at the voucher level.	me@apparel21.com	No	Optional	2.0
Phones			Phones is a sub element of Delivery Contacts				

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept: Version_
Home	Alpha	250	Home phone	03 94275120	Yes	Optional	1.0
Mobile	Alpha	250	Mobile Phone	0421 552 654	Yes	Optional	1.0
Work	Alpha	250	Work phone	84159300	Yes	Optional	1.0
GiftId	Integer		Unique identifier for gift reward	123	Yes	No	1.0
PartnerOrderId	Alpha	250	Order ID of the eCommerce platform eg: Shopify ID, Magento ID	123456	Yes	Optional	1.0
OrderDetails			Contains a list of OrderDetail.				
OrderDetail			OrderDetail is a sub-element of OrderDetails. One per original order, product, colour, size, status.				
Id	Integer	22	Unique OrderDetail Id generated by API. Web orders will contain a value. Any phone orders or non-web orders included will be blank. This value is only populated for web orders.	1234	Optional	No	1.0
Sequence	Integer	10	Number generated by API, position of the orderDetail in the OrderDetails list, for reference purpose only	10	Yes	No	1.0
ProductId	Integer	22	Unique Product Id	3641	Yes	No	1.0
ColourId	Integer	22	Unique Colour Id	2566	Yes	No	1.0
Skuld	Integer	22	Unique SKU Id	1234	Yes	Yes	1.0
ProductCode	Alpha	10	Unique Product Code	W00123	Yes	No	1.0
ProductName	Alpha	30	Product Name	Long Sleeve Shirt	Yes	No	1.0
ColourCode	Alpha	²¹	Colour Code	BLK	Yes	No	1.0
ColourName	Alpha	61	Colour Name	Black	Yes	No	1.0

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept: Version_
SizeCode	Alpha	7	Size Code	XL	Yes	No	1.0
Barcode	Alpha	50	Barcode of product – only primary barcode	9312345111111	Yes	No	1.0
Quantity	Num(22,2)	22	Quantity of product. Negative for returns.	100	Yes	Yes	1.0
Price	Num(22,2)	22	Price of the orderDetail	210	Yes	Yes	1.0
Discount	Num(22,2)	22	Discount of the orderDetail	50	Yes	No	1.0
Value	Num(22,2)	22	Net Value	160	Yes	Yes	1.0
QuantityTaken	Num(22,2)	22	Applies to 'Click and Collect' and 'Despatch from Store' orders only. For 'Click and Collect' orders this is the Quantity taken (collected) from the Retail Store. For 'Despatch from Store' orders this is the Quantity shipped from the Retail Store.	1	Yes	No	2.0
QuantityPacked	Num(22,2)	22	Applies to 'Click and Collect' and 'Despatch from Store' orders only. Quantity Packed at the retail store – ready to be collected or despatched.	2	Yes	No	2.0
GiftWrap	Alpha	5	Is this item to be gift wrapped? True = Yes, False = No. If not supplied, it is assumed that the item is NOT to be gift wrapped.	True	Yes	Optional	1.0

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept: Version_
			When set to True, order will be shipped from the warehouse.				
GiftWrapMessage	Alpha	1000	This is the message for gift wrapping. If this is supplied but GiftWrap field is not, it will be assumed that the item is to be gift wrapped.	Happy birthday, Mum.	Yes	Optional	1.0
SenderName	Alpha	50	Friendly name for gift voucher sender. Text that can be picked up on email or print out of voucher.	Mummy	Yes	Optional	1.0
ReceiverName	Alpha	50	Friendly name for gift voucher receiver. Text that can be picked up on email or print out of voucher.	Daddy	Yes	Optional	1.0
ExtraVoucherInformation			Information for sold Gift Vouchers ExtraVoucherInformation contains VoucherType, EmailSubject and PersonalisedMessage and is a sub- element of OrderDetail				
VoucherType	Alpha	15	Must be valid Voucher Type Reference Code from <i>RetVouch</i> in AP21	Online email	No	Yes – if Product id is a gift voucher	2.0
VoucherNumber	Integer	22	Optional field used when a specific gift voucher number is sold. If not supplied (most common), Apparel21 will assign the next available number.	123456789	No	Optional	2.0

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept: Version_
EmailSubject	Alpha	4000	Entered as Subject line of the email or part of the letter that accompanies a <i>mail</i> type voucher	Happy Birthday!	No	Optional	2.0
Email	Alpha		Email address for voucher to be delivered to. If not supplied, emailed voucher will be sent to DeliveryContacts-Email address.	John.smith@apparel21.com	No	Optional	2.0
PersonalisedMessage	Alpha	4000	Body of email that sends the voucher. Can form part of the letter that accompanies mail vouchers.	Hope you have a really great day on Friday	No	Optional	2.0
TaxPercent	Num(22,2)	22	Tax percentage numeric value (12.5 for 12.5%). Must be the value read from the Cart. If the developer does not use the CART function to obtain this information, the correct tax to apply must be entered. Order creation Total tax calculation will use this value.	12.5	Yes	Only if using <i>Price excludes tax = true</i> or <i>Use submitted tax rate = true</i>	1.0
ReturnReasonId	Integer	22	Unique Return Reason Id. Get list of valid reason ID codes using – References for Reference Type = 272.	45	Yes	Yes – mandatory for returns	2.0
ReturnReasonNotes	Alpha		Text notes	Faulty zip	Optional	Optional	2.0
NonReturnable	Alpha	5	Set to True if the item is not returnable. False or no value assumed that the item is returnable. Accepted values are True,	True	Yes	Optional	2.0

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept: Version_
			true, TRUE, false,Fasle, FASLSE. 0 and 1 are not accepted values. Refer to Job 116830.				
Carrier	Alpha	40	Carrier name against a despatched sale. This is the carrier that has been used to deliver the goods. No value if not “shipped”. Carrier passed in the order header when creating an order will be returned. Note – Only works for Warehouse despatch orders. Shipment endpoint must be used to retrieve carrier for Despatch from Store orders.	Toll Ipec	Yes	No	2.0
CarrierUrl	Alpha	150	URL for Carrier’s website. This is set in the Apparel ²¹ back office against the carrier code. Useful for track and trace lookup. Note – Only works for Warehouse despatch orders and returns. Shipment endpoint must be used to retrieve carrier for Despatch from Store orders.	https://online.toll.com.au/trackandtrace/index.jsp	Yes – when retrieving all Orders only	No	2.0
ConNote	Alpha	20	Consignment note number against a despatched sale or pending return. No value if not “shipped” for positive values. Note – Only works for Warehouse despatch orders. Shipment endpoint must be used to retrieve connote for Despatch from Store orders.	TL000859	Yes – when retrieving all Orders only	No	2.0
Status	Alpha	10	The status of the ordered / transaction quantity.	Shipped	Yes	No	2.0

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept: Version_
			<ul style="list-style-type: none"> • <i>Processing</i> = outstanding order • <i>Shipped</i> = Positive value retail sale • <i>Cancelled</i> = ordered line that was never shipped • <i>Returned</i> = negative value retail sale <p>Zero freight charges on an order that are not copied to the invoice appear with a status of "cancelled".</p>				
ServiceType							
Id	Number		Index of the Service Type reference code. This returns the id of the service type passed during an Order Post.	162	Yes	No	2.0
Code	Alpha	15	Reference code name of Service Type. This returns the code of the service type passed during an Order Post.	Road	Yes	No	2.0
Discounts			Contains a list of Discounts and is a sub-element of OrderDetail. Non-web orders do not have discount sub elements.				
Discount			Discount is a sub-element of Discounts				
Id	Alpha	22	Discount Id generated by API	1	No	No	1.0
ParentId	Alpha	22	Parent OrderDetail Id of the Discount	1	No	No	1.0

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept: Version_
DiscountType	Alpha	50	ManualDiscount, PromotionDiscount or LoyaltyDiscount	ManualDiscount	No	No	1.0
DiscountTypeId	Integer	22	1 = manual Discount, 2 = Promotion Discount, 3 = Loyalty Discount, 4 = Reward Redemption Discount If using multiple against one product item, discounts MUST be in order of 1, 2, 3 and then 4 in the payload.	2	No	Yes	1.0
ReasonId	Integer	22	Only relevant for manual discounts. i.e. Discount Type ID = 1 This links to the reason id for the discount. Look up reason idx using reference type id 271 If not supplied for manual discounts (type 1, the “online” discount reason will be used.	1231	No	Optional (only for type 1 discounts)	1.0
Promold	Alpha	22	Promotion ID in Apparel21	1010	No	Yes (only for type 2 discounts)	1.0
LoyaltyId	Alpha	22	Loyalty ID in Apparel21 – RCIDX of loyalty program in table REFCODE (see RGIDX 366 to get list).	2020	No	Yes (only for type 3 discounts)	1.0
Sequence	Alpha	22	Default as “0”	0	No	No	1.0
Description	Alpha	280	Description of the discount	Promotion Discount Buy 1 get 1 free	No	No	1.0
Percentage	Num(22,4)	22	Discount percentage for 10% show 10	10	No	No	1.0
Value	Num(22,2)	22	Value of Discount	9.9	No	Yes	1.0

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept: Version_
TaxPercent	Num(22,2)	22	Tax percentage for 10% show 10	10	No	Optional	1.0
WebDiscount	Alpha	250	Text from website regarding discount reason. Is displayed in Mail Order screen for the customer service team to see what discounts where applied.	Shop and save	No	Optional	1.0
WebPromotion	Alpha	250	Promotion code used in website. This doesn't link to Apparel ²¹ promotions. This field is used so that web promotion codes can be viewed in Mail order screen so that Customer Service team can answer shopper queries.	SHOPNSAVE	No	Optional	1.0
WebCampaign	Alpha	250	Campaign code used in website. This is for information only. It is displayed in Apparel ²¹ Mail order so that Customer service can answer shopper queries.	W1231321	No	Optional	1.0
WebCoupon	Alpha	250	Coupon code used in website. This is for information only. It is displayed in Apparel ²¹ Mail order so that Customer Service can answer shopper queries.	QUICDISC	No	Optional	1.0
Redemption			Redemption is a sub-element of Discount.				1.0
AccountId	Number		This is the unique identifier of the person reward account.	861	No	Optional	1.0
Amount	Number		Redeem reward amount when redeeming reward \$. Optional.	10	No	Optional (Either Amount, GiftId or	1.0

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept: Version_
						Request Id must be passed)	
GiftId	Integer		Unique identifier for gift when redeeming gifts. Optional.	261	Yes	Optional (Either Amount, GiftId or Request Id must be passed)	1.0
RequestId	Alpha	250	<p>This can be used only when rewards are redeemed using the Redeem Reward or Redeem Gift endpoints in an 'unconfirmed' state. All unconfirmed rewards get automatically confirmed when the order successfully posts. Won't be reversed if the call fails.</p> <p>The request id must match the GUID value that was posted in the redeem reward / redeem gift calls.</p> <p>The amount / gift being redeemed must match the amount / gift that was specified in the Redeem call. Optional.</p>	6A4CFBB9-094E-422F-8EC6-947946455C0F	No	Optional (Either Amount, GiftId or Request Id must be passed)	1.0
SelectedFreightOption			<p>Selected Freight option</p> <p>Blank if non-web order.</p>				

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept: Version_
Id	Number	22	<p>Freight Id. (Read from Apparel21 system GIT, provided by Apparel²¹ Consultant).</p> <p>Cannot specify freight id for 'ClickAndCollect'. Allowed only for despatch type orders.</p> <p>If an order has to be despatched using a specific carrier/service type via Temando (eg: 3HR delivery), the freight option can be configured in the GIT set up and passed to Apparel21. This requires Apparel21 head office set up to map Apparel21 carrier/service type values accepted by the Temando system.</p> <p>Please refer to an Apparel21 consultant for more information.</p>	123	Yes	Optional	1.0
Name	Alpha	250	Freight Name.	Fox Freight Service	Yes	Optional	1.0
Value	Num(22,2)	22	<p>Freight Value. This is freight amount including tax.</p> <p>Cannot specify freight value for 'ClickAndCollect'.orders. Allowed only for warehouse or store despatch orders.</p>	156	Yes	Optional	1.0

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept: Version_
TaxPercent	Num	22,2	Tax percentage for freight. Note: It is assumed that freight 'Value' passed is inclusive of tax. When extended tax is used, the tax percentage passed will be used to calculate the tax amount the when order is imported into Apparel21.	13%			
Payments			Contains a list of PaymentDetail				
PaymentDetail			PaymentDetail is a sub-element of Payments				
Id	Integer	22	Unique payment id generated automatically by Apparel21.	123	Yes	No	1.0
Sequence	Integer	22	Line sequence, default as 0	123	Yes	No	1.0
Origin	Alpha	50	Origin of payment. For card payments, the value entered here MUST be either "CreditCard", "DirectDebit" (only if not pick up in store or if no payments to be posted), Zip (required for Zip payments) or "GiftVoucher" Other values will be rejected by the API. For SecurePay, PayPal, Adyen and AfterPay, this should be "CreditCard".	CreditCard, AdyenWallet	Yes	Yes	1.0

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept: Version_
			For Adyen QR code wallet payments (eg: wechat, alipay etc.), the origin should be “AdyenWallet”. For Zip, this should be “Zip”.				
VoucherNumber	Alpha	50	Gift Voucher Number if GV used for payment	700125	Yes	No	2.0
ValidationId	Alpha	50	Gift voucher validation id – obtained by validating voucher before using it to pay for order.	cfde12b5-3b5c-4c3d-a089-aca58a8c44dd	No	Yes – for gift voucher payment only	2.0
CardType	Alpha	250	Payment Card Type. For Adyen QR code wallet payments (wechat, alipay etc.), need to pass the payment method name returned in the Adyen payment response. This value must match the “Wallet Payment Code” field in Apparel21 Adyen wallet payment reference code. Adyen wallet payment reference code is used to translate Adyen’s wallet payment method to an Ap21 wallet name.	VISA For Adyen wallets, afterpaytouch, wechatpay	Yes	Optional	1.0
Stan	Alpha	250	Payment standard reference. This is the value of “txnID” in the Securepay and PayPal response or the “transaction id” in	405555	Yes	Optional	1.0

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept: Version_
			<p>Braintree or the “pspreference” in Adyen. This is mandatory if refunds are to be issued against this payment in Apparel²¹ Mail order screen.</p> <p>This is displayed as EFT Stan in Apparel²¹ Retail Transactions.</p> <p>This should be the AfterPay Order ID for AfterPay paments.</p> <p>Zip-This is value of the “id” in the Zip response which is the id of purchase request.This is mandatory if refunds are to be issued against Zip payment in Apparel²¹ Mail Order screen.</p>				
AuthCode	Alpha	250	<p>Payment authorisation code. This is an information field and NOT required for refunds to be processed.</p> <p>This is displayed as EFT Auth No in Apparel²¹ Retail Transactions.</p>	512	Yes	Optional	1.0
AccountType	Alpha	250	Payment account type	Credit	Yes	Optional	1.0
Settlement	Alpha	250	Settlement reference	20110625	Yes	Optional	1.0

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept: Version_
Reference	Alpha	250	<p>Payment Reference</p> <p>SecurePay - this is the value of “purchaseOrderNo” in the Securepay response and is mandatory if refunds are to be issued against this payment.</p> <p>PayPal – this is the PayPal payment resource. This is common for all sales/refunds around a single order. There needs to be a value in this field for PayPal refunds but the value isn’t used for anything.</p> <p>Braintree - Not required but is useful if make this the customer order number.</p> <p>Adyen - Not required but is useful if make this the psreference.</p> <p>AfterPay – this should be the AfterPay Merchant Order Id. This is listed as mandatory for successful refund in store and at head office, but the actual value is not used for refunds. This is due to inconsistency in AfterPay system that may change in the future. We recommend</p>	13525233_22255	Yes	Optional	1.0

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept: Version_
			<p>putting the AfterPay Merchant Order Id in this field always, regardless.</p> <p>Zip- this is the value of the 'refCode' that is in the Zip response. This value is not used by Zip to process refunds, but it is mandatory if Zip payments are to be refunded from Mail Order screen.</p> <p>Other payment types – can be supplied This is EFT Ref in Apparel²¹ Retail Transactions.</p>				
Amount	Num(22,2)	22	Payment amount. This must equal the Order amount when posting a new order. Negative amounts appearing mean a credit.	500.5	Yes	Yes	1.0
Message	Alpha	4000	Message	Purchased on Monday with an amount of 100 dollars	Yes	Optional	1.0
VoucherGateway	Alpha	15	Reference code name of Gift Voucher Gateway which is set up in Code Maintenance.It indicates that the gift voucher in the payment is issued from a 3 rd party (Gift Voucher Gateway). Refer to Job 115136 for more detail.	Web GV Gateway	Yes	Optional	2.0

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept: Version_
MerchantId	Alpha	100	<p>Nominate the merchant ID that the payment was posted against. This is used by Apparel²¹ to map to the correct payment gateway for future refunds of this payment.</p> <p>Optional for SecurePay payments – if not supplied, the default SecurePay account will be used</p> <p>Mandatory for PayPal payments – this corresponds to RestAPI PayPal Client ID – must have MailOrder app created in PayPal.</p> <p>Mandatory for AfterPay payments – this corresponds to the MerchantId set up for AfterPay.</p> <p>Mandatory for Braintree payments – this corresponds to the Merchant Id set up for Braintree.</p> <p>Mandatory for Adyen payments – this corresponds to the Merchant Id set up for Adyen.</p>	Aa7g2BD4hHDDUrhXD8N j0N1UZ41ITVVSHNRpsEm bcSpOISLwGm3UfEGdI0zt	Yes	Optional	1.0
AccountId	Alpha	100	Nominate the merchant account ID that the payment was posted against. This Is used by Apparel ²¹ to map to the correct	AP21_MERCHANT_NZ	Yes	Optional	1.0

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept: Version_
			<p>payment gateway for future refunds of this payment.</p> <p>Mandatory for Braintree payments - this corresponds to the Braintree Merchant Account Id for the relevant currency. Braintree allows multiple merchant accounts IDs within a single merchant account.</p> <p>Not used for SecurePay, Paypal, Adyen or AfterPay payments.</p>				
Currency			Currency consists of Code and Format.				
Code	Alpha	50	Currency Code associated with the person	AUD	Yes	No	2.0
Format	Alpha	50	Format the currency is displayed in Apparel21	#,##0.00 'Aud'	Yes	No	2.0
PointsPartner			PointsPartner consists of MembershipNumber				
Id	Number	30	Apparel21 reference code index value	123	Yes	No	2.0
Name	Alpha	40	Apparel21 reference code name	Quantas	Yes	No	2.0
MembershipNumber	Alpha	100	<p>Third party loyalty card membership number. Value passed is only validated against partner prefix defined in Apparel21.</p> <p>It is assumed that the membership number passed has been pre validated on the web site.</p>	55555565444879	Yes	Yes	2.0

1.47.1 SUCCESS RESPONSE

HTTP Response		
200		

1.47.2 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		
403	5082	The store pickup Id is invalid. Store does not exist.
403	5083	Gift vouchers cannot be added to pick up in store orders
403	5092	Invalid order date. Valid format is 'yyyy-MM-dd HH:mm:ss'
403	5014	Size of field XXXX, 9999 is too long. Maximum length is 9999.
403	5128	Voucher 9999 has already been issued
403	5056	The voucher does not exist
403	5071	The voucher number is invalid. For example, if supplied it in invalid format.
403	5127	Voucher 9999 cannot be sold – this is when it is a promotional voucher.
403	5059	The voucher is no longer valid – it belongs to a suspended range of vouchers
403	5130	Membership Number XXXXXX does not match any known points partner
403	5088	Sku value and discount should be negative for return
403	5145	Invalid discount value: -40. Discount sign should be the same as Quantity sign
403	5146	All lines with promotions must have a 'Promold' element
403	5150	Unattended delivery option is invalid
403	5186	Tax rate cannot be empty when UseSubmmitedTaxRate is true.
403	5220	Pickup store 'MAIN' is invalid because sales warehouse 'NZWEB' is not omni channel and currencies are different

1.48 RETRIEVE ORDERS FOR A PERSON

To retrieve previously created orders for a person use a **GET** on the following URI. Only orders created via the web or Mail Order will be returned. These orders do not include retail sale transactions, Customer Orders created at a POS store or wholesale orders with the person attached. This endpoint should be used when the latest status of orders is required as the information is read from the Sales Order tables.

With RetailAPI 2021, a new request parameter `updatedAfter` is added to retrieve the list of orders which have been changed after `updatedAfter` timestamp. This is for marketplaces where a default guest account is always attached to web orders and changes in orders are required to be passed back to marketplaces.

1.48.1 URI REQUEST FORMAT

`/Persons/{personId}/Orders/?countryCode={countryCode}&startRow={startRow}&pageRows={pageRows}&updatedAfter={timestamp}`

1.48.2 REQUEST PARAMETERS

Field	Required	Comment
PersonId	Mandatory	Id of the Person the orders are requested for
CountryCode	Mandatory	Country code of the shopper
StartRow	Optional	Starting position of orders returned
PageRows	Optional	Number of order returned
updatedAfter	Optional	To retrieve the list of orders which have been changed after <code>updatedAfter</code> timestamp

1.48.3 EXAMPLE REQUEST

GET

<https://retailapi.apparel21.com/RetailAPI/Persons/4881/Orders/?countryCode=AU&startRow=1&pageRows=20&updatedAfter=2020-12-01T11:33:07>

Content-type: text/xml

Accept: version_2.0

1.48.4 EXAMPLE PAYLOAD

```
<Orders>
  <Order>
    <Id>20784</Id>
    <RowNumber>1</RowNumber>
    <OrderNumber>W0000124</OrderNumber>
    <PersonId>3583</PersonId>
    <OrderDateTime>2011-07-11T00:00:00</OrderDateTime>
    <TotalQuantity>2</TotalQuantity>
    <TotalTax>16.33</TotalTax>
    <TotalDiscount>0</TotalDiscount>
```

```

<TotalDue>147</TotalDue>
<TotalPayment>147</TotalPayment>
<DeliveryInstructions>Please leave on front porch. beware of dangerous dog
  </DeliveryInstructions>
<UnattendedDeliveryOption>AuthorityToLeave</UnattendedDeliveryOption>
<Addresses>
  <Billing>
    <AddressLine1>73 Linlithgow Avenue</AddressLine1>
    <AddressLine2 />
    <City>GREYTHORN</City>
    <State>VIC</State>
    <Postcode>3152</Postcode>
    <Country>AUSTRALIA</Country>
  </Billing>
  <Delivery>
    <CompanyName> Apparel21 <CompanyName>
    <AddressLine1>37 Swan Street</AddressLine1>
    <AddressLine2 />
    <City>GREYTHORN</City>
    <State>VIC</State>
    <Postcode>3152</Postcode>
    <Country>AUSTRALIA</Country>
  </Delivery>
</Addresses>
<Contacts>
  <Email>john.smith@gmail.com</Email>
<Phones>
  <Home>012351235</Home>
  <Mobile>012341234</Mobile>
  <Work />
</Phones>
</Contacts>
<OrderDetails Type="Array" TotalRows="2">
  <OrderDetail>
    <Id>56025</Id>
    <Sequence>1</Sequence>
    <ProductId>3641</ProductId>
    <ColourId>4082</ColourId>
    <SkuId>4323</SkuId>
    <ProductCode>Beanie</ProductCode>
    <ProductName>Winter Beanie</ProductName>
    <ColourCode>BLU</ColourCode>
    <ColourName>Blue</ColourName>
    <SizeCode>1</SizeCode>
    <Quantity>1</Quantity>
    <Price>147</Price>
    <Discount>0</Discount>
    <Value>147</Value>
    <TaxPercent>12.5</TaxPercent>
    <Status>Processing</Status>
    <GiftWrap>true</Status>
    <GiftWrapMessage>Happy birthday, Mum.</GiftWrapMessage>
    <SenderName />
    <ReceiverName />
  </OrderDetail>
  <OrderDetail>
    <Id>56026</Id>
    <Sequence>2</Sequence>
    <ProductId>4222</ProductId>
    <ColourId>4742</ColourId>
    <SkuId>5482</SkuId>
    <ProductCode>FRGHTMO</ProductCode>
    <ProductName>Ladies Freight</ProductName>

```

```

    <ColourCode>-</ColourCode>
    <ColourName>-</ColourName>
    <SizeCode>-</SizeCode>
    <Quantity>1</Quantity>
    <Price>0</Price>
    <Discount>0</Discount>
    <Value>0</Value>
    <TaxPercent>11</TaxPercent>
    <Carrier/>
    <CarrierUrl/>
    <ConNote/>
    <ServiceType>
    <Id>162</Id>
    <Code>Road</Code>
    </ServiceType>

    <Status>Processing</Status>
    <GiftWrap>>false</Status>
    <SenderName />
    <ReceiverName />
  </OrderDetail>
</OrderDetails>
<SelectedFreightOption>
  <Id />
  <Name />
  <Value>0</Value>
</SelectedFreightOption>
<Payments>
  <PaymentDetail>
    <Id>2791</Id>
    <Sequence>0</Sequence>
    <Origin>CreditCard</Origin>
    <CardType>TEST</CardType>
    <Stan>986516</Stan>
    <AuthCode />
    <AccountType />
    <Settlement>20101129</Settlement>
    <Reference>Apparel21Dev:100032</Reference>
    <MerchantId>JGH123</MerchantId>
    <AccountId>AP21_MERCHANT_AU</AccountId>
    <Amount>147</Amount>
    <Message>payment_statusCURRENTbank_reference986516remote_ip203.36.237.106card_typeTESTpaymen
t_number100032countryAUorder_id77response_amount158.02response_textApproved or completed
successfullyresponse_code00settlement_date20101129actioncomplete_direct_onesummary_code0vendor_nameA
pparel21Devpayment_referenceTEST Payment Only - DO NOT
CHARGEperson_id9585payment_groupNEWcurrencyAUD$controllerorderspayment_date1290986516</Message>
  </PaymentDetail>
</Payments>
</Order>
<Order>
  <Id>20785</Id>
  <RowNumber>2</RowNumber>
  <OrderNumber>W0000125</OrderNumber>
  <PersonId>3583</PersonId>
  <OrderDateTime>2011-07-11T00:00:00</OrderDateTime>
  <TotalQuantity>2</TotalQuantity>
  <TotalTax>16.33</TotalTax>
  <TotalDiscount>0</TotalDiscount>
  <TotalDue>147</TotalDue>
  <TotalPayment>147</TotalPayment>
  <DeliveryInstructions>Please leave on front porch. beware of dangerous
dog.</DeliveryInstructions>
  <Addresses>

```

```

<Billing>
  <AddressLine1>73 Linlithgow Avenue</AddressLine1>
  <AddressLine2 />
  <City>GREYTHORN</City>
  <State>VIC</State>
  <Postcode>3152</Postcode>
  <Country>AUSTRALIA</Country>
</Billing>
<Delivery>
  <AddressLine1>37 Swan Street</AddressLine1>
  <AddressLine2 />
  <City>GREYTHORN</City>
  <State>VIC</State>
  <Postcode>3152</Postcode>
  <Country>AUSTRALIA</Country>
</Delivery>
</Addresses>
<Contacts>
  <Email> John.Smith@test.com.au</Email>
  <Phones>
    <Home>012351235</Home>
    <Mobile>012341234</Mobile>
    <Work />
  </Phones>
</Contacts>
<DeliveryContacts>
  <Email> John.Smith@test.com.au</Email>
  <Phones>
    <Home>012351235</Home>
    <Mobile>012341234</Mobile>
    <Work />
  </Phones>
</DeliveryContacts>
<OrderDetails Type="Array" TotalRows="2">
  <OrderDetail>
    <Id>56027</Id>
    <Sequence>1</Sequence>
    <ProductId>3641</ProductId>
    <ColourId>4082</ColourId>
    <SkuId>4323</SkuId>
    <ProductCode>Beanie</ProductCode>
    <ProductName>WInter Beanie</ProductName>
    <ColourCode>BLU</ColourCode>
    <ColourName>Blue</ColourName>
    <SizeCode>1</SizeCode>
    <Quantity>1</Quantity>
    <Price>147</Price>
    <Discount>0</Discount>
    <Value>147</Value>
    <TaxPercent>12.5</TaxPercent>
    <Carrier/>
    <CarrierUrl/>
    <ConNote/>
    <SenderName />
    <ReceiverName />
    <Status>Processing</Status>
  </OrderDetail>
  <OrderDetail>
    <Id>56028</Id>
    <Sequence>2</Sequence>
    <ProductId>4222</ProductId>
    <ColourId>4742</ColourId>
    <SkuId>5482</SkuId>

```

```

    <ProductCode>FRGHTM0</ProductCode>
    <ProductName>Ladies Freight</ProductName>
    <ColourCode>-</ColourCode>
    <ColourName>-</ColourName>
    <SizeCode>-</SizeCode>
    <Quantity>1</Quantity>
    <Price>0</Price>
    <Discount>0</Discount>
    <Value>0</Value>
    <TaxPercent>11</TaxPercent>
    <Carrier/>
    <CarrierUrl/>
    <ConNote/>
    <SenderName />
    <ReceiverName />
    <Status>Processing</Status>
  </OrderDetail>
</OrderDetails>
<SelectedFreightOption>
  <Id />
  <Name />
  <Value>0</Value>
</SelectedFreightOption>
<Payments>
  <PaymentDetail>
    <Id>2792</Id>
    <Sequence>0</Sequence>
    <Origin>CreditCard</Origin>
    <CardType>TEST</CardType>
    <Stan>986516</Stan>
    <AuthCode />
    <AccountType />
    <Settlement>20101129</Settlement>
    <Reference>Apparel21Dev:100032</Reference>
    <Amount>147</Amount>
    <Message>payment_statusCURRENTbank_reference986516remote_ip203.36.237.106card_typeTESTpayment_number100032countryAUorder_id77response_amount158.02response_textApproved or completed successfullyresponse_code00settlement_date20101129actioncomplete_direct_onesummary_code0vendor_nameA
    pparel21Devpayment_referenceTEST Payment Only - DO NOT
    CHARGEperson_id9585payment_groupNEWcurrencyAUD$controllerorderspayment_date1290986516</Message>
  </PaymentDetail>
</Payments>
<PointsPartner>
  <Id>16044</Id>
  <Name>Qantas</Name>
  <MembershipNumber>1234999629624</MembershipNumber>
</PointsPartner>
</Order>
</Orders>

```

1.48.5 EXAMPLE PAYLOAD – SHIP FROM STORE ORDER WHERE DESPATCH LOCATION DETERMINED OUTSIDE OF APPAREL²¹

```

<Order>
  <PersonId>1841</PersonId>
  <PickupStoreId>8981</PickupStoreId>
  <Carrier>
    <Id>1156</Id>
    <Code/>
  </Carrier>
  <ServiceType>

```

```

    <Id>162</Id>
    <Code />
  </ServiceType>
  <SLA>
    <Id>16784</Id>
    <Code/>
  </SLA>
  <DespatchType>DespatchFromStore</DespatchType>
  <ExpectedDeliveryDate>2019-10-13</ExpectedDeliveryDate>
  <DeliveryInstructions>Please leave on front porch. Beware of dangerous dog.</DeliveryInstructions>
  <UnattendedDeliveryOption>AuthorityToLeave</UnattendedDeliveryOption>
  <Addresses>
    <Billing>
      <AddressLine1>73 Linlithgow Avenue</AddressLine1>
      <AddressLine2></AddressLine2>
      <City>GREYTHORN</City>
      <State>VIC</State>
      <Postcode>3152</Postcode>
      <Country>AUSTRALIA</Country>
    </Billing>

    <Delivery>
      <AddressLine1>37 Swan Street</AddressLine1>
      <AddressLine2></AddressLine2>
      <City>GREYTHORN</City>
      <State>VIC</State>
      <Postcode>3152</Postcode>
      <Country>AUSTRALIA</Country>
    </Delivery>
  </Addresses>
  <Contacts>
    <Email>aperera@gmail.com</Email>
    <Phones>
      <Home>0399526532</Home>
      <Mobile>045231218521</Mobile>
    </Phones>
  </Contacts>
  <DeliveryContacts>
    <Email>deliverycontacts.email@domain.com</Email>
    <Phones>
      <Home>0413837276</Home>
    </Phones>
  </DeliveryContacts>
  <OrderDetails>
    <OrderDetail>
      <SkuId>12431</SkuId>
      <Quantity>1</Quantity>
      <Value>150</Value>
      <Price>150</Price>
      <TaxPercent>0</TaxPercent>
    </OrderDetail>
  </OrderDetails>
  <Payments>
    <PaymentDetail>
      <Origin>CreditCard</Origin>
      <CardType>VISA</CardType>
      <Amount>150</Amount>
    </PaymentDetail>
  </Payments>
  <PointsPartner>
    <Id>16044</Id>
    <Name>Qantas</Name>
    <MembershipNumber>1234999629624</MembershipNumber>
  </PointsPartner>

```

```
</PointsPartner>
</Order>
```

1.48.6 SUCCESS RESPONSE

HTTP Response		
200		

1.48.7 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		
400	5034	Invalid pagination parameters

1.49 RETRIEVE SINGLE ORDER FOR A PERSON

This endpoint is used to obtain confirmation that an order has been generated in Apparel21 and to obtain the (Customer) Order Number if this has not been generated by the website. The information is retrieved from the temporary *websales* table, not from the *sord* table. It should *not* be used to obtain updated order status or other detail that has been added in the back office. To obtain the latest order information use the endpoint that [retrieves all orders for a person](#).

When multiple gift vouchers are purchased, the **GET** Order endpoint will not list the email addresses associated with each gift voucher.

1.49.1 URI REQUEST FORMAT

/Persons/{personId}/Orders/{orderId}/?countryCode={countryCode}&startRow={startRow}&pageRows={pageRows}

1.49.2 REQUEST PARAMETERS

Field	Required	Comment
personId	Mandatory	Id of the Person the orders are requested for
orderId	Mandatory	Id of the Order to be retrieved
CountryCode	Mandatory	Country code of the shopper
startRow	Optional	Starting position of orders returned
pageRows	Optional	Number of order returned

1.49.3 EXAMPLE REQUEST

GET

<https://retailapi.apparel21.com/RetailAPI/Persons/4881/Orders/1740/?countryCode=AU&startRow=1&pageRows=20>

1.49.4 EXAMPLE RESPONSE

```

< Order>
  <Id>1740</Id>
  <RowNumber>1</RowNumber>
  <OrderNumber>W0000202</OrderNumber>
  <PersonId>3583</PersonId>
  <OrderDateTime>2011-07-26T15:09:19</OrderDateTime>
  <TotalQuantity>1</TotalQuantity>
  <TotalTax>0</TotalTax>
  <TotalDiscount>0</TotalDiscount>
  <TotalDue>147</TotalDue>
  <TotalPayment>147</TotalPayment>
  <DeliveryInstructions>Please leave on front porch. beware of dangerous dog.</DeliveryInstructions>
  <UnattendedDeliveryOption>AuthorityToLeave</UnattendedDeliveryOption>
  <PartnerOrderId>123456</PartnerOrderId>
  <Addresses>
    <Billing>
      <AddressLine1>73 Linlithgow Avenue</AddressLine1>
      <AddressLine2 />
      <City>GREYTHORN</City>
      <State>VIC</State>
      <Postcode>3152</Postcode>
      <Country>AUSTRALIA</Country>
    </Billing>
    <Delivery>
      <AddressLine1>37 Swan Street</AddressLine1>
      <AddressLine2 />
      <City>GREYTHORN</City>
      <State>VIC</State>
      <Postcode>3152</Postcode>
      <Country>AUSTRALIA</Country>
    </Delivery>
  </Addresses>
  <Contacts>
    <Email> John.Smith@test.com.au</Email</Email>
    <Phones>
      <Home>012351235</Home>
      <Mobile>012341234</Mobile>
      <Work />
    </Phones>
  </Contacts>
  <DeliveryContacts>
    <Email> John.Smith@test.com.au</Email</Email>
    <Phones>
      <Home>012351235</Home>
      <Mobile>012341234</Mobile>
      <Work />
    </Phones>
  </DeliveryContacts>
  <OrderDetails Type="Array" TotalRows="1">
    <OrderDetail>
      <Id>1840</Id>
      <Sequence>1</Sequence>
      <ProductId>3641</ProductId>
      <ColourId>4082</ColourId>
      <SkuId>4323</SkuId>
      <ProductCode>Beanie</ProductCode>
      <ProductName>Winter Beanie</ProductName>
      <ColourCode>BLU</ColourCode>
      <ColourName>Blue</ColourName>
      <SizeCode>1</SizeCode>
      <Quantity>1</Quantity>
      <Price>147</Price>
      <Discount>0</Discount>
      <Value>147</Value>

```



```

<TaxPercent>0</TaxPercent>
  <Carrier/>
  <CarrierUrl/>
  <ConNote/>
  <SenderName/>
  <ReceiverName/>
  <Status>Processing</Status>
  <ServiceType>
    <Id>162</Id>
    <Code>Road</Code>
  </ServiceType>
</OrderDetail>
</OrderDetails>
<SelectedFreightOption>
  <Id />
  <Name />
  <Value>0</Value>
</SelectedFreightOption>
<Payments>
  <PaymentDetail>
    <Id>761</Id>
    <Sequence>0</Sequence>
    <Origin>CreditCard</Origin>
    <CardType>TEST</CardType>
    <Stan>986516</Stan>
    <AuthCode />
    <AccountType />
    <Settlement>20101129</Settlement>
    <Reference>Apparel21Dev:100032</Reference>
    <Amount>147</Amount>
    <Message>payment_statusCURRENTbank_reference986516remote_ip203.36.237.106card_typeTESTpayment_
number100032countryAUorder_id77response_amount158.02response_textApproved or completed
successfullyresponse_code00settlement_date20101129actioncomplete_direct_onesummary_code0vendor_nameA
pparel21Devpayment_referenceTEST Payment Only - DO NOT
CHARGEperson_id9585payment_groupNEWcurrencyAUD$controllerorderspayment_date1290986516</Message>
  </PaymentDetail>
</Payments>
  <PointsPartner>
    <Id>16044</Id>
    <Name>Qantas</Name>
    <MembershipNumber>1234999629624</MembershipNumber>
  </PointsPartner>
</Order>

```

1.49.5 SUCCESS RESPONSE

HTTP Response		
200		

1.49.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		

1.50 CREATE NEW ORDER

Orders are created via a **POST** request to the following URI. When the 201 response is received the Location header will provide the URI required to query the new order. This can be used to retrieve the Customer Order number if it was not provided in the *post*.

When multiple gift vouchers are purchased, a Delivery Address may be specified in each Order Detail element, if omitted the gift voucher(s) will be delivered to the Email in Delivery Contact element.

1.50.1 URI REQUEST FORMAT

/Persons/{personId}/Orders/?countryCode={countryCode}

1.50.2 REQUEST PARAMETERS

Field	Required	Comment
PersonId	Mandatory	Id of the Person the orders are requested for
CountryCode	Mandatory	Country code of the shopper

1.50.3 EXAMPLE REQUEST

POST <https://retailapi.apparel21.com/RetailAPI/Persons/101451/Orders/?countryCode=AU>

Content-type: text/xml

Accept:version_2.0

1.50.4 EXAMPLE PAYLOAD

```
<Order>
  <OrderNumber>7894567</OrderNumber>
  <PersonId>101451</PersonId>
  <Addresses>
    <Billing>
      <AddressLine1>101 Cremorne St</AddressLine1>
    </Billing>
    <Delivery>
      <AddressLine1>37 Swan Street</AddressLine1>
    </Delivery>
  </Addresses>
  <UnattendedDeliveryOption>AuthorityToLeave</UnattendedDeliveryOption>
  <Contacts>
    <Email>john.smith@test.com.au</Email>
  </Contacts>
  <PartnerOrderId>123456</PartnerOrderId>
  <OrderDetails>
    <OrderDetail>
      <SkuId>21503</SkuId>
      <Quantity>1</Quantity>
      <Price>59.90</Price>
      <Value>59.90</Value>
      <TaxPercent>10.00</TaxPercent>
    </OrderDetail>
  </OrderDetails>
  <Payments>
    <PaymentDetail>
      <Id>7781</Id>
      <Origin>CreditCard</Origin>
      <CardType>TEST</CardType>
      <Stan>986516</Stan>
      <AuthCode/>
      <AccountType/>
      <Settlement>20111129</Settlement>
      <Reference>Ref1</Reference>
      <Amount>59.90</Amount>
      <Message>payment_statusCURRENTbank_ </Message>
    </PaymentDetail>
  </Payments>
  <PointsPartner>
    <MembershipNumber>5542645628473</MembershipNumber>
  </PointsPartner>
</Order>
```

1.50.5 EXAMPLE ORDER DETAIL PAYLOAD FOR GIFT VOUCHER SALE

```
.....
<Delivery>
  <ContactName>Curtis Malasky</ContactName>
  <AddressLine1>21 Cremorne St</AddressLine1>
  <AddressLine2>Level 2</AddressLine2>
  <City>RICHMOND</City>
  <State>VIC</State>
  <Postcode>3333</Postcode>
  <Country>NEW ZEALAND</Country>
</Delivery>
  </Addresses>
  <DeliveryContacts>
    <Email>underdunk@yahoo.com</Email>
  </DeliveryContacts>
  <Contacts>
    <Email>retailapi_4002_order2@gmail.com</Email>
    <Phones>
      <Home>0499999999</Home>
      <Mobile>0488888888</Mobile>
      <Work>0477777777</Work>
    </Phones>
  </Contacts>
  <OrderDetails Type="Array" TotalRows="8">
    <OrderDetail>
      <Id>1</Id>
      <SkuId>6321</SkuId>
      <Quantity>1</Quantity>
      <Price>105</Price>
      <Discount>0</Discount>
      <Value>105</Value>
      <SenderName>Mummy</SenderName>
      <ReceiverName>Daddy</ReceiverName>
      <ExtraVoucherInformation>
        <VoucherType>GV_API_EMAIL</VoucherType>
        <EmailSubject>Gift Voucher for mail 001</EmailSubject>
        <PersonalisedMessage>Happy Birthday! Buy yourself something pretty
        </PersonalisedMessage>
        <Email>curtis.malasky@apparel21.com</Email>
      </ExtraVoucherInformation>
      <TaxPercent>0</TaxPercent>
    </OrderDetail>
```

1.50.6 EXAMPLE ORDER PAYMENT DETAIL FOR REDEEMING A GIFT VOUCHER

```
<PaymentDetail>
  <Origin>GiftVoucher</Origin>
  <VoucherNumber>7060120</VoucherNumber>
  <ValidationId>3e5d3a6c-1efc-4e7b-adcf-10761c7fdda2</ValidationId>
  <Amount>6.56</Amount>
</PaymentDetail>
```

1.50.7 RESPONSE HEADER FORMAT

/Persons/{personId}/Orders/{OrderId}/?countryCode={countryCode}

1.50.8 RESPONSE PARAMETERS

The Response Header's transport location provides a URI that can be used to query the order that was created.

Field	Comment
URL	URL to be used to query order
personId	Id of the Person the order is created for
Orderid	Id of the order created
CountryCode	Country code of the shopper

1.50.9 EXAMPLE RESPONSE

<https://retailapi.apparel21.com/RetailAPI/Persons/9585/Orders/9999?countryCode=AU>

1.50.10 SUCCESS RESPONSE

HTTP Response		
201		

1.50.11 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
500		
400	5004	Email is required
400	5005	Billing address is required
400	5021	Delivery address is required
400	5025	Person Id in payload mismatch with person id in URI
400	5026	Payment does not match order due value
403	5028	Invalid payment origin
403	5055	The voucher cannot be used online
403	5056	The voucher does not exist
403	5059	The voucher is no longer valid
403	5061	Incorrect ValidationId
403	5062	The voucher has insufficient funds
403	5065	The voucher has expired
403	5066	The voucher must be used in full
403	5067	The voucher has pending payments and cannot be processed
403	5068	The request is not supported on current database
403	5069	The email address is invalid in delivery section
403	5070	Multiple payments with same voucher number
403	5071	The voucher number is invalid
403	5072	Contact name is required
403	5073	In-store voucher cannot be purchased online
403	5074	Invalid voucher type
403	5075	Invalid email subject
403	5076	Voucher type is required
403	5077	The quantity of the gift voucher should be one
403	5082	The store pickup Id is invalid. Store does not exist
403	5083	Gift Vouchers are only allowed on a 'Despatch from Warehouse' order

403	5084	Return reason id is missing
403	5085	Return reason id is invalid
403	5086	Return reason id/note not required
403	5087	Returns are only allowed on a 'Despatch from Warehouse' order
403	5088	Sku value and discount should be negative for return
403	5094	Order value does not match Sku price
403	5095	Delivery Contacts in payload mismatch with database version. An email cannot be put on an order detail line with Database version before 2013.1
403	5100	MerchantId xxxx is invalid" – this means that the merchant ID supplied in the payload doesn't match any payment gateways configured in Apparel ²¹ . This is found in <i>Code Maintenance / SPayGate – Sales Payment Gateway</i> reference.
403	5107	Invalid gift wrap flag 'true' – Must be 'true' or 'false'
403	5113	Discount_reason_id not required for loyalty or promotion type discounts
403	5114	Despatch type xxx is invalid
403	5115	Id xxx is not a valid Carrier/Service Type
403	5116	Code xxx is not a valid Carrier/Service Type
403	5119	Pickup Store Id is required for Click and Collect orders
403	5120	Pickup Store Id is not valid for Despatch from Warehouse orders
403	5123	Selected Freight Option element is not valid for Customer Pickup
403	5014	Size of field XXXX, 9999 is too long. Maximum length is 9999.
403	5129	SKU 99999999 is not valid (only first one will display if multiple invalid)
403	5130	Membership Number XXXXXX does not match any known points partner
403	5150	Unattended delivery option is invalid
403	5175	Redemption element missing from Rewards Redemption discount
403	5176	Redemption element must specify one and only one of the following elements: Amount, GiftId or RequestId
403	5177	Transaction with RequestId '{0}' for AccountId '{1}' does not exist
403	5178	Cannot redeem rewards/gifts for multiple rewards accounts on the same order
403	5179	Value of Discount does not match Amount in Redemption element
403	5180	Gift can only be redeemed on an OrderDetail with a Quantity of 1
403	5181	Only one rewards redemption discount can exist per OrderDetail
403	5182	Gift redemption must be a 100% discount
403	5183	RequestId '{0}' cannot be used to redeem more than the original request.
403	5184	The total of all redemption discounts (including gift discounts) using RequestId '{0}' must be the same as the original request.
403	5189	Invalid expected delivery date. Valid format is 'yyyy-MM-dd'
403	5190	Expected delivery date cannot be passed for 'ClickAndCollect' orders
403	5212	Invalid wallet type XXXX. No match found.
403	5213	Card type cannot be blank. A wallet type must be provided.

15 RETURNS

The Returns endpoint is used to create a return request. Posting a new return will generate an “exchange order” transaction in Apparel²¹ awaiting receipt. This functionality is designed for use to create transactions in advance of the stock arriving in the warehouse.

It is possible to automatically “finalise” this return if the transaction is NOT going to be sent to the warehouse. This functionality was introduced in version 2020.3 of Apparel²¹. Use the *StockUpdate* element as *False* to nominate that the return will NOT be sent to the warehouse. This will create the “exchange order” and then automatically refund the customer using the original payment information and then “finalise” that return.

All returns are posted against an original web order. This endpoint was introduced in Apparel²¹ version 2017.2 and at that date was limited to web order returns only and does not allow return of POS sales.

The return posting response includes a URL to look up order status. When GET on this response URL, there is a *<ReturnAuthorisationNumber>* element that can be used as the authorisation for this return. This is the “exchange order” number for Apparel²¹ processing and represents this specific return.

1.51 RETURN DETAILS

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept:Version_
ReturnOrder							
Id	Integer	22	Unique Order Id generated by API	96854213	Yes	No	2.0
OrderNumber	Alpha	30	If left blank for a POST request, the API will generate a unique order number. If an <i>OrderNumber</i> is entered, this will be known in Apparel ²¹ as Customer Order Number	W0000125-R	Yes	Optional	2.0
OrigOrderNum	Alpha	30	This is the link between the return and the original ecommerce order. This is the website reference for the order. This is either passed from the website (common) when the original order was created or created automatically by Apparel ²¹ if not supplied on original order (rare).	W0000125	Yes	Yes	2.0
PersonId	Integer	22	Apparel ²¹ PersonID (person idx)	3583	Yes	Yes	2.0
ReturnAuthorisationNumber	Integer	22	Apparel ²¹ generated exchange order number for the return. This cannot be posted from the website. GET on the return posted to look up this number to supplier to the shopper for using as the reference number for this return.	123456	Yes	No	2.0
StockUpdate	True/False		This element is not normally used. It can be supplied as "False" to nominate that the returned item will NOT be sent back to the warehouse. This then triggers automatic	True	Yes	Optional (if not posted, stock is expected to be	2.0

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept:Version_
			customer refund to finalise the return with stock adjustment to account for the item not being sent back. This element was introduced in version 2020.3 of Apparel21. If not supplied, it behaves as "True". i.e. A pending return / exchange order is created in Apparel21 awaiting receipt in the warehouse.			updated. i.e. True).	
OrderDetails			Contains a list of OrderDetail.				
OrderDetail			OrderDetail is a sub-element of OrderDetails. One per original order, product, colour, size, status.				
Skuld	Integer	22	Unique SKU Id being returned – must be on the original order	1234	Yes	Yes	2.0
Quantity	Num(22,2)	22	Negative quantity for return quantity. E.g. -2 to return 2 units of the SKUId	100	Yes	Yes	2.0
ReturnReasonID	Integer	22	Apparel21 return reason index code. Must match codes in reference group 272.	10365	Yes	Yes	2.0
ReturnReasonNotes	Alpha	250	Notes on return reason – comment text	Didn't like the fit	Yes	Optional	2.0
Carrier	Alpha	12	Text to indicate carrier that will be used to ship the stock back to the warehouse. Is copied to the Delivery Instructions for the exchange order that is created.	A Post	Yes	Optional	2.0
ConNote	Alpha	50	Text to indicate consignment note / tracking ID for the stock shipment back to the warehouse.	TA123156421541	Yes	Optional	2.0

Field	Format	Max Length	Comment	Example	GET Response	POST Request	HTTP Header Accept:Version_
			Is copied to the Delivery Instructions for the exchange order that is created.				

1.52 POST A NEW RETURN

1.52.1 URI REQUEST FORMAT

/Persons/{PersonID}/Orders/{OrderID}/Returns?countryCode={countryCode}

1.52.2 REQUEST PARAMETERS

Field	Required	Comment
PersonId	Mandatory	Id of the Person the orders are requested for
OrderId	Mandatory	ID of the original order that the return relates to
CountryCode	Mandatory	Country code of the shopper

1.52.3 EXAMPLE REQUEST

POST <https://retailapi.apparel21.com/RetailAPI/Persons/1241/Orders/12354/Returns?countryCode=AU>

Content-type: text/xml

Accept:version_2.0

1.52.4 EXAMPLE PAYLOAD

```
<ReturnOrder>
  <OrderNumber>2017080706R</OrderNumber>
  <OrigOrderNum>20170807-06</OrigOrderNum>
  <PersonId>1241</PersonId>
  <StockUpdate>True</StockUpdate>
  <OrderDetails>
    <OrderDetail>
      <SkuId>1784</SkuId>
      <Quantity>-1</Quantity>
      <ReturnReasonId>10365</ReturnReasonId>
      <Carrier>EMS</Carrier>
      <ConNote>ABC1234</ConNote>
    </OrderDetail>
  </OrderDetails>
</ReturnOrder>
```

1.52.5 SUCCESS RESPONSE

HTTP Response		
201		

1.52.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
500		
403	5135	Person ID is missing from the return order
403	5136	Person ID from URL is different to payload
403	5052	The order number already exists
403	5133	Original order number 20170804-999 is not valid

403	5138	Original Order Number is missing from the payload
403	5139	SKUID 1785 not found on original order
403	5140	Some of the quantities are greater than zero
403	5085	Return reason id 103695 is invalid
403	5142	Carrier name is too long
403	5141	ConNote is too long
403	5143	Some of the quantities are missing or equals to zero
403	5211	Stock update 'aaaaa' is not valid. Must be 'True' or 'False'

1.53 LOOK AT THE STATUS OF A RETURN

1.53.1 URI REQUEST FORMAT

GET

<https://retailapi.apparel21.com/RetailAPI/Persons/1241/Orders/12354/Returns/12345?countryCode=AU>

Content-type: text/xml

Accept:version_2.0

1.53.2 REQUEST PARAMETERS

Field	Required	Comment
PersonId	Mandatory	Id of the Person the orders are requested for
OrderId	Mandatory	ID of the original order that the return relates to
ReturnID	Mandatory	Order ID of the return
CountryCode	Mandatory	Country code of the shopper

1.53.3 EXAMPLE RESPONSE

```
<ReturnOrder xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Id>62347</Id>
  <RowNumber>0</RowNumber>
  <OrderNumber>20170804-01-R</OrderNumber>
  <PersonId>1241</PersonId>
  <WarehouseId>9441</WarehouseId>
  <OrderDateTime>2017-08-04T13:57:43</OrderDateTime>
  <TotalQuantity>-4</TotalQuantity>
  <TotalTax>0</TotalTax>
  <TotalDiscount>0</TotalDiscount>
  <TotalDue>-100</TotalDue>
  <TotalPayment>0</TotalPayment>
  <PickupStoreId />
  <DeliveryInstructions />
  <DespatchType>DespatchFromWarehouse</DespatchType>
  <Addresses />
  <Contacts>
    <Email />
    <Phones>
      <Home />
    </Phones>
  </Contacts>
</ReturnOrder>
```

```

        <Mobile />
        <Work />
    </Phones>
</Contacts>
<DeliveryContacts>
    <Email />
    <Phones>
        <Home />
        <Mobile />
        <Work />
    </Phones>
</DeliveryContacts>
<OrderDetails Type="Array" TotalRows="1">
    <OrderDetail>
        <Id>195132</Id>
        <Sequence>1</Sequence>
        <ProductId>1101</ProductId>
        <ColourId>1322</ColourId>
        <SkuId>1784</SkuId>
        <ProductCode>SHIRT0001</ProductCode>
        <ProductName>DOUBLE PKT SHIRT</ProductName>
        <ColourCode>001</ColourCode>
        <ColourName>MULTICOLOURED</ColourName>
        <SizeCode>8</SizeCode>
        <Quantity>-4</Quantity>
        <Price>25</Price>
        <Discount>0</Discount>
        <Value>-100</Value>
        <TaxPercent>0</TaxPercent>
        <QuantityTaken>0</QuantityTaken>
        <QuantityPacked>0</QuantityPacked>
        <ReturnReasonId>10365</ReturnReasonId>
        <ReturnReasonNotes />
        <GiftWrap>false</GiftWrap>
        <GiftWrapMessage />
        <SenderName />
        <ReceiverName />
        <Carrier>EMS</Carrier>
        <CarrierUrl />
        <ConNote>ABC1234</ConNote>
        <Status>Processing</Status>
    </OrderDetail>
</OrderDetails>
<SelectedFreightOption>
    <Id />
    <Name />
    <Value>0</Value>
    <TaxPercent xsi:nil="true" />
</SelectedFreightOption>
<Payments />
<Currency>
    <Code />
    <Format />
</Currency>
<PricesIncludeTax>false</PricesIncludeTax>
<PointsPartner>
    <Id />
    <Name />
    <MembershipNumber />
</PointsPartner>
<OrigOrderNum>20170804-01</OrigOrderNum>
<ReturnAuthorisationNumber>6026</ReturnAuthorisationNumber>
</ReturnOrder>

```

16 SALES HISTORY

It is possible to look up retail history for a shopper; including store sales, head office telephone / mail sales and web system sales. History is for despatched / picked up sales only, items still on order not visible using this feature.

The *Transaction Header* contains information about the type of transaction, when and where it was done, and what currency was used.

The *Transaction Detail* contains product information to SKU level that the customer has purchased including

- Product Code
- Size (if applicable)
- Colour (if applicable)
- Pricing

The *Transaction Discount Detail* contains discount information, such as the type, reason and amount of discount applied.

Transactions for a person that are NOT included are:

- Wholesale orders with the person attached
- Debtor sales (these are rare and more wholesale in nature)
- Customer orders (these are treated as a Sale transaction when the order is paid)
- Account payments (this is just a reduction of a customer's debt incurred in a previous sale)

Where the sale is generated from an order, it can be linked back to the original customer order using the *OrderNumber* element. This is the customer order number reference supplied when posting orders, manually entering orders in store or system generated if not supplied.

1.54 SALES HISTORY DETAILS

Field	Format	Max Length	Comment	Example	GET Response	HTTP Header Accept: Version_
Transactions			Contains a list of transactions			
Transaction			Transaction is a sub-element of transactions			
RowNumber	Integer	10	Number generated by API, position of the transaction in the list, for reference purpose only	1	Yes	2.0
Id	Integer	22	Identifier for the transaction from the source table RET_TRANH	13753	Yes	2.0
Number	Alpha	30	Unique Transaction Number from the source table RET_TRANH. W used for web orders, H used for mail orders, D used for docket numbers	D55500000135	Yes	2.0
OrderNumber	Alpha	30	Where the sale was created from an order, this is the shopper's order number supplied when creating the order. Is same as <OrderNumber> used when posting order.	W00001231	Yes	2.0
Type	Alpha	30	The description of the type of transaction, being: Sale (includes exchanges and returns, and items paid for on account, includes gift cards purchased) Layby Layby Update Special Order Special Order Update	Sale	Yes	2.0
SaleDate	Date(YYYY-MM-DD)	10	The date the sale/layby was considered complete. Includes a fixed time of 00:00:00 which can be ignored. Reflects the configuration chosen for the system parameter 537 'Layby/Special Orders Posting Method' as to whether a cash or	2011-08-26T00:00:00	Yes	2.0

Field	Format	Max Length	Comment	Example	GET Response	HTTP Header Accept: Version_
			accrual method is used to account for the transaction. i.e. Sale date is defined by the customer, but transaction date is a system-generated date which differs from sale date for laybys and special orders.			
StoreCode	Integer	3	Retail store code that the transaction is associated with from the source table WHSE	555	Yes	2.0
StoreName	Alpha	30	Retail store name that the transaction is associated with.	Melbourne	Yes	2.0
Currency Code	Alpha	15	The currency code used for the transaction	AUD	Yes	2.0
Currency Format	#,##0.00		The currency format used for the transaction	#,##0.00 'AUD'	Yes	2.0
Carrier	Alpha		For eCommerce transactions only, the freight carrier name attached to the sale.	Ipec	Yes	2.0
CarrierUrl	Alpha		For eCommerce transactions only, the website address for the carrier to look up transactions. This is set up in Code Maintenance under the Carrier reference group.	https://online.toll.com.au/trackandtrace/index.jsp	Yes	2.0
ConNote	Alpha		For eCommerce transactions only, the consignment note number assigned to the delivery.	TN1211213213	Yes	2.0
ServiceType	Alpha		For eCommerce transactions that have a consignment note number, this shows the carrier service type used for the delivery.	Road	Yes	2.0
Details			Contains a list of details of the transaction			
Detail			Detail is a sub-element of Details			
Id	Integer	22	Identifier for the transaction details row from the source table RET_TRAND	15882	Yes	2.0
Sequence	Integer	10	Sequence number assigned at POS to indicate the order in which the product/discount was selected during the transaction.	0	Yes	2.0
ProductCode	Alpha	10	Unique Product Code	W00123	Yes	2.0
ProductName	Alpha	30	Product Name	Long Sleeve Shirt	Yes	2.0

Field	Format	Max Length	Comment	Example	GET Response	HTTP Header Accept: Version_
ColourCode	Alpha	21	Colour Code	BLK	Yes	2.0
ColourName	Alpha	61	Colour Name	Black	Yes	2.0
SizeCode	Alpha	7	Size Code	XL	Yes	2.0
Quantity	Num(22,2)	22	Quantity of product purchased	1	Yes	2.0
Price	Num(22,2)	22	Price of the product including GST for a single product, before discounts applied	29.99	Yes	2.0
Value	Num(22,2)	22	Price paid for the quantity purchased including GST and including any discounts,	25.99	Yes	2.0
TaxPercentage	Num(22,2)	22	Tax percentage numeric value (12.5 for 12.5%).	12.5	Yes	2.0
Discounts			Contains a list of Discounts			
Discount			Discount is a sub-element of Discounts			
Id	Alpha	22	Discount identifier from source table RET_TRAND	15908	Yes	2.0
Sequence	Alpha	22	Sequence number assigned at POS to indicate the order in which the product/discount was selected during the transaction.	3	Yes	2.0
Type	Alpha	50	Discount, Promotion or Loyalty	Loyalty	Yes	2.0
Reason	Alpha		Description of the reason for the discount. For Discount type, this is the description of the discount reason used For Promotion type, this is the name of the promotion For Loyalty type, this is the text 'Loyalty' used as the discount type	Loyalty	Yes	2
Amount	Num(22,2)	22	Value of Discount	4	Yes	2
Percentage	Num(22,2)	22	Discount percentage	15	Yes	2

1.55 RETRIEVE SALES HISTORY FOR A PERSON

To retrieve previously created transactions for a person use a **GET** on the following URI.

1.55.1 URI REQUEST FORMAT

/Persons/{personId}/RetailTransactions/?countryCode={countryCode}&startRow={startRow}&pageRows={pageRows}

1.55.2 REQUEST PARAMETERS

Field	Required	Comment
personId	Mandatory	Id of the Person the transactions are requested for
CountryCode	Mandatory	Country code of the shopper
startRow	Optional	Starting position of transactions returned
pageRows	Optional	Number of transactions rows returned
OrderNumber	Optional	Filter sales for selected Order Number (web order number)

1.55.3 EXAMPLE REQUEST

GET

<https://retailapi.apparel21.com/RetailAPI/Persons/4883/RetailTransactions/?countryCode=AU&&OrderNumber=W12345&startRow=1&pageRows=20>

Content-type: text/xml

Accept:version_2.0

1.55.4 EXAMPLE PAYLOAD

```
<Transactions xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" Type="Array" TotalRows="15" PageStartRow="0"
PageRows="0">
  <Transaction>
    <RowNumber>1</RowNumber>
    <Id>13748</Id>
    <Number>D55500000130</Number>
    <OrderNumber>W12345</OrderNumber>
  </Transaction>
</Type>Sale</Type>
  <SaleDate>2011-08-26T00:00:00</SaleDate>
  <StoreCode>555</StoreCode>
  <StoreName>Curtis 2011.2 POS</StoreName>
  <Currency>
    <Code>AUD</Code>
    <Format>#,##0.00 'AUD'</Format>
  </Currency>
  <Carrier>Ipec</Carrier>
  <CarrierUrl>https://online.toll.com.au/trackandtrace/index.jsp</CarrierUrl>
  <ConNote>TND112131231</ConNote>
  <ServiceType>Road</ServiceType>
  <Details Type="Array" TotalRows="1">
    <Detail>
```

```

<Id>15882</Id>
<Sequence>0</Sequence>
<ProductCode>AUTOITEM1</ProductCode>
<ProductName>Automation - 1 Style</ProductName>
<ColourCode>-</ColourCode>
<ColourName>-</ColourName>
<SizeCode>-</SizeCode>
<Quantity>-1</Quantity>
<Price>45.9</Price>
<Value>-45.9</Value>
<TaxPercentage>12.5</TaxPercentage>
<Discounts Type="Array" TotalRows="0" />
</Detail>
</Details>
</Transaction>
<Transaction>
  <RowNumber>2</RowNumber>
  <Id>13753</Id>
  <Number>D55500000135</Number>
  <OrderNumber>W12345</OrderNumber>
<Type>Sale</Type>
  <SaleDate>2011-08-26T00:00:00</SaleDate>
  <StoreCode>555</StoreCode>
  <StoreName>Curtis 2011.2 POS</StoreName>
  <Currency>
    <Code>AUD</Code>
    <Format>#,##0.00 'AUD'</Format>
  </Currency>
  <Carrier>Ipec</Carrier>
  <CarrierUrl>https://online.toll.com.au/trackandtrace/index.jsp</CarrierUrl>
  <ConNote>TND112131222</ConNote>
  <ServiceType>Road</ServiceType>
  <Details Type="Array" TotalRows="5">
    <Detail>
      <Id>15905</Id>
      <Sequence>0</Sequence>
      <ProductCode>AUTOITEM2</ProductCode>
      <ProductName>Automation - Styles, 1 Size</ProductName>
      <ColourCode>CAM1-Beading</ColourCode>
      <ColourName>CANVAS 123 123 123 123 123 123 Beading</ColourName>
      <SizeCode>-</SizeCode>
      <Quantity>1</Quantity>
      <Price>29.99</Price>
      <Value>25.99</Value>
      <TaxPercentage>12.5</TaxPercentage>
      <Discounts Type="Array" TotalRows="1">
        <Discount>
          <Id>15906</Id>
          <Sequence>1</Sequence>
          <Type>Discount</Type>
          <Reason>POS Loyalty 1</Reason>
          <Amount>4</Amount>
          <Percentage>15</Percentage>
        </Discount>
      </Discounts>
    </Detail>
    <Detail>
      <Id>15907</Id>
      <Sequence>2</Sequence>
      <ProductCode>AUTOITEM2</ProductCode>
      <ProductName>Automation - Styles, 1 Size</ProductName>
      <ColourCode>CAM-Beading</ColourCode>
      <ColourName>Camel Beading</ColourName>
      <SizeCode>-</SizeCode>
      <Quantity>1</Quantity>
      <Price>29.99</Price>
      <Value>25.99</Value>
      <TaxPercentage>12.5</TaxPercentage>
      <Discounts Type="Array" TotalRows="1">
        <Discount>
          <Id>15908</Id>
          <Sequence>3</Sequence>

```

```

        <Type>Discount</Type>
        <Reason>POS Loyalty 1</Reason>
        <Amount>4</Amount>
        <Percentage>15</Percentage>
    </Discount>
</Discounts>
</Detail>
<Detail>
    <Id>15909</Id>
    <Sequence>4</Sequence>
    <ProductCode>AUTOITEM2</ProductCode>
    <ProductName>Automation - Styles, 1 Size</ProductName>
    <ColourCode>ATL-Beading</ColourCode>
    <ColourName>ATLANTIC Beading</ColourName>
    <SizeCode>-</SizeCode>
    <Quantity>1</Quantity>
    <Price>29.99</Price>
    <Value>25.99</Value>
    <TaxPercentage>12.5</TaxPercentage>
    <Discounts Type="Array" TotalRows="1">
        <Discount>
            <Id>15910</Id>
            <Sequence>5</Sequence>
            <Type>Discount</Type>
            <Reason>POS Loyalty 1</Reason>
            <Amount>4</Amount>
            <Percentage>15</Percentage>
        </Discount>
    </Discounts>
</Detail>
</Details>
</Transaction>
</Transactions>

```

1.55.5 SUCCESS RESPONSE

HTTP Response		
200		

1.55.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		
400	5034	Invalid pagination parameters

17 GIFT VOUCHERS

Gift Vouchers are able to be sold and redeemed through the API. Gift vouchers sold online can be used in store. Gift vouchers sold in store can be used online (as long as they are “secure” type vouchers with a PIN).

Note: Exception is gift voucher sales for “Click and Collect” and “Despatch from Store” orders. No online gift voucher sales can be picked up in store or despatched from store, they must be despatched from warehouse. The `DespatchType` element during an order post must be either blank or ‘DespatchFromWarehouse’.

1.56 SELLING GIFT VOUCHERS

Only “secure” gift vouchers can be sold. This means a PIN must be entered when they are redeemed. An additional field for “Delivery Contact email address” has been added to the Cart and Orders endpoint. This allows the voucher to be ordered by the shopper but delivered to another person.

Based on the settings in the Apparel²¹ back office for the *Voucher Type*, the gift voucher can be either emailed or posted to the recipient. The *ExtraVoucherInformation* values able to be posted in the Order may be used to form part of the letter, voucher or email that is sent to the voucher recipient. The use of this information will vary between sites. While a basic template will be provided for the voucher and letter formats, an allowance must be made for the unique configuration that will be required for the documentation.

If using a third party to sell physical gift vouchers, it is possible to nominate a specific voucher number on the order to ensure that this is the voucher that is activated. This is optional. In the majority of cases, the voucher number is assigned by Apparel21 once the order is received.

1.57 REDEEMING GIFT VOUCHERS

Any voucher redeemed through the API - promotional or gift - must be a *secure* voucher type. This means that a PIN is mandatory.

To redeem a Gift Voucher or Promotional voucher through the API, the voucher must first be validated. A new endpoint has been provided to request the validation id for voucher redemptions. The request will include the redemption value and the response will provide an *available amount*. The validation includes a check that the voucher is being used in full if it is a “give change” type voucher, the *amount* field is used for this validation (and no other validation).

The order POST will return an error if an attempt is made to redeem an amount greater than the *available amount*.

1.58 VOUCHER LOOK UP / VALIDATION DETAILS

Field	Format	Max Length	Comment	Example	GET Response (inquiry)	GET Response (validation)	HTTP Header Accept:Version_
Voucher							
Voucher Number	Alpha	50	Number of the gift or promotional voucher	60000226	Yes	Yes	2.0
Expiry Date	Date/Time	22	Identifier for the transaction from the source table RET_TRANH	2017-02-17T00:00:00	Yes	Yes	2.0
Original Amount	Num(22,2)	Num(22,2)	Original Amount of the voucher	100	Yes	Yes	2.0
Used Amount	Num(22,2)	Num(22,2)	Amount of the voucher that has been spent	10.50	Yes	Yes	2.0
Available Amount	Num(22,2)	Num(22,2)	The amount that is now available to spend using the voucher. This value may be affected by expiry date or write-off rules.	89.50	Yes	Yes	2.0
Validation id	Alpha	36	Validation Id required when the voucher is redeemed (used as payment on a sale). The id will remain valid until another validation id is requested.	2f093406-eab4-4ada-bb4b-aa2786ef2a01	No	Yes	2.0

1.59 GIFT VOUCHER ENQUIRY

The balance of a voucher can be checked using a **GET** request to the following URI.

1.59.1 URI REQUEST FORMAT

/Voucher/{voucher number}?pin={pinnumber}&?countryCode={countryCode}

1.59.2 REQUEST PARAMETERS

Field	Required	Comment
voucher number	Mandatory	Number of the Gift or Promotional Voucher
pin	Mandatory	PIN of the Voucher
CountryCode	Mandatory	Country code of the shopper

1.59.3 EXAMPLE REQUEST

GET <https://retailapi.apparel21.com/RetailAPI/Voucher/6000226?pin=1084&countryCode=AU>

Content-type: text/xml

Accept:version_2.0

1.59.4 EXAMPLE RESPONSE

```
</Voucher>
<VoucherNumber>6000226</VoucherNumber>
<ExpiryDate>2017-02-17T00:00:00</ExpiryDate>
<OriginalAmount>100</OriginalAmount>
<UsedAmount>0</UsedAmount>
<AvailableAmount>100</AvailableAmount>
</Voucher>
```

1.59.5 SUCCESS RESPONSE

HTTP Response		
200		

1.59.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
403	5068	The request is not supported on current database
403	5055	The voucher cannot be used online (it is not secure)
403	5056	The voucher does not exist (it is suspended)
403	5057	The voucher has not been issued
403	5059	The voucher is no longer valid
403	5054	The voucher has already been redeemed
403	5053	The pin is invalid
403	5219	Gift voucher number <voucher number> currency <currency of voucher> is not valid for this store currency <currency of web store>

404		
-----	--	--

1.60 GIFT VOUCHER VALIDATION

The voucher must be validated prior to using the voucher as payment on a sale. The validation is obtained using a **GET** request to the following URI.

1.60.1 URI REQUEST FORMAT

/Voucher/GVValid/{voucher number}?pin={pinnumber}&amount={amount}&countryCode={countryCode}

1.60.2 REQUEST PARAMETERS

Field	Required	Comment
Voucher number	Mandatory	Number of the gift or promotional Voucher
Pin	Mandatory	PIN of the voucher
Amount	Mandatory	Amount of the voucher that will be used – this is only used for checking that “give change” vouchers will be used in full
CountryCode	Mandatory	Country code of the shopper

1.60.3 EXAMPLE REQUEST

GET

<https://retailapi.apparel21.com/RetailAPI/Voucher/GVValid/500005?pin=5885&amount=75&countryCode=AU>

Content-type: text/xml

Accept:version_2.0

1.60.4 EXAMPLE RESPONSE

```
<Voucher>
  <VoucherNumber>6080044</VoucherNumber>
  <ExpiryDate>2017-02-17T00:00:00</ExpiryDate>
  <OriginalAmount>100</OriginalAmount>
  <UsedAmount>0</UsedAmount>
  <AvailableAmount>100</AvailableAmount>
  <ValidationId>2f093406-eab4-4ada-bb4b-aa2786ef2a01</ValidationId>
</Voucher>
```

1.60.5 SUCCESS RESPONSE

HTTP Response		
200		

1.60.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
------------	----------------	----------------

403	5068	The request is not supported on current database
403	5060	Invalid request amount parameters
403	5055	The voucher cannot be used online
403	5056	The voucher does not exist
403	5057	The voucher has not been issued
403	5059	The voucher is no longer valid
403	5054	The voucher has already been redeemed
403	5053	The PIN is invalid
403	5056	The voucher has expired
403	5066	The voucher must be used in full
403	5067	The voucher has pending payments and cannot be processed
403	5219	Gift voucher number <voucher number> currency <currency of voucher> is not valid for this store currency <currency of web store>
404		

1.61 GIFT VOUCHER LOCKING (OPTIONAL)

Any businesses not using the POST ORDERS endpoint to post eCommerce orders directly into Apparel²¹ will have issues with the use of gift vouchers where the same gift voucher is used twice within the timeframe of the order being placed and the time of its creation in Apparel²¹.

To avoid these issues, there is an endpoint that can be used to lock the voucher. This is designed to be used immediately after the order is posted. A validation id is required to lock the order.

Once a voucher is locked, it cannot be validated for another order.

The lock is released from the voucher when the order is posted into Apparel²¹ or when the timeframe for locking expires.

If website needs to unlock a purchase order before expiry time, this can be achieved by posting LockSeconds of 0 (zero) to release the lock.

1.61.1 URI REQUEST FORMAT

/Voucher/Lock/{voucher number}?ValidationId={validation id}&LockSeconds={number of seconds until lock expiry}?countryCode={countryCode}

1.61.2 REQUEST PARAMETERS

Field	Required	Comment
Voucher number	Mandatory	Number of the gift or promotional Voucher
ValidationId	Mandatory	ValidationID
LockSeconds	Optional	Number of seconds that voucher is to be locked for (if not supplied, lock is applied for 3600 seconds = 1 hour).

		To unlock voucher, post another lock request with lock seconds of zero.
CountryCode	Mandatory	Country code of the shopper

1.61.3 EXAMPLE REQUEST

PUT

<https://retailapi.apparel21.com/RetailAPI/Voucher/Lock/500005?validationid=lloiol9987mlk&lockseconds=900&countryCode=AU>

Content-type: text/xml

Accept:version_2.0

1.61.4 SUCCESS RESPONSE

HTTP Response		
200		

1.61.5 ERROR RESPONSE

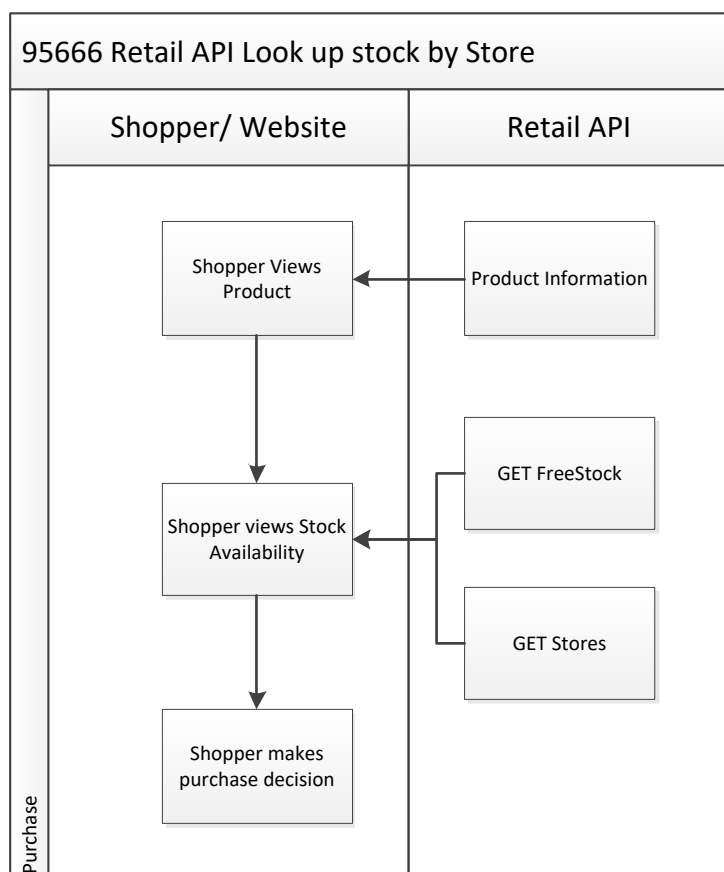
HTTP Error	API Error Code	API Error Text
403	5061	Incorrect validation id

18 FREE STOCK

The Free Stock resource retrieves available stock at retail stores (and optionally warehouses if configured at head office to do so). The 'available stock' quantity will be determined by the "POS Free" calculation in Apparel²¹. This will enable a shopper to purchase goods online and collect from a store that is convenient for them.

Only stores or warehouses that have a positive free stock value will be returned.

The *Stores* resource is used to obtain address and contact details for the store/s. If returning warehouses, this information cannot be looked up and must be configured in the web system.



The product queried can be

- Coloured and sized
- Coloured but not sized
- Not coloured or sized

For each type of product, the request can be made by StyleId, or ClrId or Skuid, which leads to different output xml documents.

The data for the FreeStock query is stored in the attributes, not the values assigned to an element. Refer to the example payloads following.

The root level will be the request index type (StyleId, ClrId or Skuid) unless the style level of the product is lower than that, in which case the root will be its style level. To illustrate, if the request passes in a *ClrId* for a T-shirt that is coloured and sized, you will get an XML tree with *clr* as root element and *skus* as children.

	Product attributes		
Request	Style / Colour / Sized	Style / Colour	Style
Style	Root = style Children = clr / SKU	Root = style Children = clr	Root = style
Colour	Root = clr Children = SKU	Root = clr	Root = style
SKU	Root = sku	Root = sku	Root = style

1.62 FREE STOCK DETAILS

Field	Attribute	Format	Max Length	Comment	Example	GET Response	HTTP Header Accept:Version
Style or Clr or Sku				The field name will be the level requested. The level of detail returned will be determined by the product setup and request made.	Name="Jeans & Sizes" StyleIdx="6186"	Yes ¹	2.0
	Name	Alpha	30	Name of the node that was requested	Jeans & Sizes		
	Style,clr or skuidx	Integer	22	Id of the level requested	StyleIdx=6186		
Clr		Alpha	82	The Clr name and ClrIdx	Name="APRICOT" ClrIdx="7116"	Yes ²	2.0
	Name	Alpha	60	Name of the colour	APRICOT		
	ClrIdx	Integer	22	Id of the clr	7116		
Sku		Alpha	29	The Sku name and skuidx	Name="2" Skuidx="13211"	Yes ³	2.0
	Name	Alpha	7	Name of the size	2		
	Skuidx	Integer	22	Id of the SKU	13211		
Store				Store is repeated for each store with free stock.			
Store		Alpha	30	Name, Storeid and StoreNumber	Name="Swanston St Shop" StoreId="7501" StoreNumber="234" FreeStock="991"	Yes	2.0
	Name	Alpha	?	Name of the store	Swanston St Shop		
	StoreId	Alpha	22	Store Id	7501	Yes	2.0

Field	Attribute	Format	Max Length	Comment	Example	GET Response	HTTP Header Accept:Version_
	StoreNumber	Integer	3	Store Number	234	Yes	2.0
	FreeStock	Integer	??	Free stock quantity – from 'POS Free' formula in Apparel21 back office	991	Yes	2.0
	Notes 1 - if Style requested 2 - if Style requested for product that has style / clr / sku 3 – if Style or colour requested						

1.63 RETRIEVE FREESTOCK DETAILS

To retrieve a list of freestock, use a **GET** on one of the following URI's.

1.63.1 URI REQUEST FORMATS

/Freestock/style/{styleid}?countryCode={countryCode}

/Freestock/clr/{clr}?countryCode={countryCode}

/Freestock/sku/{skuid}?countryCode={countryCode}

1.63.2 REQUEST PARAMETERS

Field	Required	Comment
Style or clr or sku	Mandatory	One of these values must be entered
Styleid or clrid or skuid	Mandatory	The id of the primary field
CountryCode	Mandatory	Country code of the shopper

1.63.3 EXAMPLE REQUEST BY STYLE

GET <https://retailapi.apparel21.com/RetailAPI/Freestock/style/1155?countryCode=AU>

Content-type: text/xml

Accept:version_2.0

1.63.4 EXAMPLE PAYLOAD – REQUEST BY STYLE

```
<Style Name="Jeans & Sizes" StyleIdx="6186">
  <Clr Name="APRICOT" ClrIdx="7116">
    <Sku Name="1" SkuIdx="13210">
      <Store Name="Swanston St Shop" StoreId="7501" StoreNumber="234" FreeStock="991" />
      <Store Name="George St Store" StoreId="108864" StoreNumber="212" FreeStock="879" />
    </Sku>
    <Sku Name="2" SkuIdx="13211">
      <Store Name="Swanston St Shop" StoreId="7501" StoreNumber="234" FreeStock="999" />
      <Store Name="George St Store" StoreId="108864" StoreNumber="212" FreeStock="999" />
    </Sku>
    <Sku Name="3" SkuIdx="13212">
      <Store Name="George St Store" StoreId="108864" StoreNumber="212" FreeStock="980" />
      <Store Name="Swanston St Shop" StoreId="7501" StoreNumber="234" FreeStock="999" />
    </Sku>
    <Sku Name="4" SkuIdx="13213">
      <Store Name="Swanston St Shop" StoreId="7501" StoreNumber="234" FreeStock="998" />
      <Store Name="George St Store" StoreId="108864" StoreNumber="212" FreeStock="993" />
    </Sku>
    <Sku Name="5" SkuIdx="13214">
      <Store Name="George St Store" StoreId="108864" StoreNumber="212" FreeStock="993" />
      <Store Name="Swanston St Shop" StoreId="7501" StoreNumber="234" FreeStock="999" />
    </Sku>
  </Clr>
</Clr Name="AVOCADO" ClrIdx="7117">
```

```

<Sku Name="1" SkuIdx="13224">
  <Store Name="Pitt St Store" StoreId="109864" StoreNumber="100" FreeStock="4" />
  <Store Name="George St Store" StoreId="108864" StoreNumber="212" FreeStock="996" />
  <Store Name="Swanston St Shop" StoreId="7501" StoreNumber="234" FreeStock="996" />
</Sku>
<Sku Name="2" SkuIdx="13225">
  <Store Name="George St Store" StoreId="108864" StoreNumber="212" FreeStock="999" />
  <Store Name="Swanston St Shop" StoreId="7501" StoreNumber="234" FreeStock="999" />
</Sku>
<Sku Name="3" SkuIdx="13226">
  <Store Name="George St Store" StoreId="108864" StoreNumber="212" FreeStock="792" />
  <Store Name="Swanston St Shop" StoreId="7501" StoreNumber="234" FreeStock="982" />
</Sku>
<Sku Name="4" SkuIdx="13227">
  <Store Name="Swanston St Shop" StoreId="7501" StoreNumber="234" FreeStock="996" />
  <Store Name="George St Store" StoreId="108864" StoreNumber="212" FreeStock="987" />
</Sku>
<Sku Name="5" SkuIdx="13228">
  <Store Name="Swanston St Shop" StoreId="7501" StoreNumber="234" FreeStock="976" />
  <Store Name="George St Store" StoreId="108864" StoreNumber="212" FreeStock="996" />
</Sku>
</Clr>
<Clr Name="BANANA" ClrIdx="7118">
  <Sku Name="1" SkuIdx="13238">
    <Store Name="George St Store" StoreId="108864" StoreNumber="212" FreeStock="998" />
    <Store Name="Swanston St Shop" StoreId="7501" StoreNumber="234" FreeStock="999" />
  </Sku>
  <Sku Name="2" SkuIdx="13239">
    <Store Name="George St Store" StoreId="108864" StoreNumber="212" FreeStock="999" />
    <Store Name="Swanston St Shop" StoreId="7501" StoreNumber="234" FreeStock="999" />
  </Sku>
  <Sku Name="3" SkuIdx="13240">
    <Store Name="George St Store" StoreId="108864" StoreNumber="212" FreeStock="998" />
    <Store Name="Swanston St Shop" StoreId="7501" StoreNumber="234" FreeStock="999" />
  </Sku>
  <Sku Name="4" SkuIdx="13241">
    <Store Name="George St Store" StoreId="108864" StoreNumber="212" FreeStock="691" />
    <Store Name="Swanston St Shop" StoreId="7501" StoreNumber="234" FreeStock="978" />
  </Sku>
  <Sku Name="5" SkuIdx="13242">
    <Store Name="Swanston St Shop" StoreId="7501" StoreNumber="234" FreeStock="999" />
    <Store Name="George St Store" StoreId="108864" StoreNumber="212" FreeStock="998" />
  </Sku>
</Clr>

```

1.63.5 EXAMPLE REQUEST BY CLR

GET <https://retailapi.apparel21.com/RetailAPI/Freestock/clr/1200?countryCode=AU>

Content-type: text/xml

Accept:version_2.0

1.63.6 EXAMPLE PAYLOAD – REQUEST BY CLR

```

<Clr Name="Jeans & Sizes AVOCADO" ClrIdx="7117">
  <Sku Name="1" SkuIdx="13224">
    <Store Name="Pitt St Store" StoreId="109864" StoreNumber="100" FreeStock="4" />
    <Store Name="George St Store" StoreId="108864" StoreNumber="212" FreeStock="996" />
  </Sku>
</Clr>

```

```

    <Store Name="Swanston St Shop" StoreId="7501" StoreNumber="234" FreeStock="996" />
  </Sku>
  <Sku Name="2" SkuIdx="13225">
    <Store Name="George St Store" StoreId="108864" StoreNumber="212" FreeStock="999" />
    <Store Name="Swanston St Shop" StoreId="7501" StoreNumber="234" FreeStock="999" />
  </Sku>
  <Sku Name="3" SkuIdx="13226">
    <Store Name="George St Store" StoreId="108864" StoreNumber="212" FreeStock="792" />
    <Store Name="Swanston St Shop" StoreId="7501" StoreNumber="234" FreeStock="982" />
  </Sku>
  <Sku Name="4" SkuIdx="13227">
    <Store Name="Swanston St Shop" StoreId="7501" StoreNumber="234" FreeStock="996" />
    <Store Name="George St Store" StoreId="108864" StoreNumber="212" FreeStock="987" />
  </Sku>
  <Sku Name="5" SkuIdx="13228">
    <Store Name="Swanston St Shop" StoreId="7501" StoreNumber="234" FreeStock="976" />
    <Store Name="George St Store" StoreId="108864" StoreNumber="212" FreeStock="996" />
  </Sku>
</Clr>

```

1.63.7 EXAMPLE REQUEST BY SKU

GET <https://retailapi.apparel21.com/RetailAPI/Freestock/sku/1461?countryCode=AU>

Content-type: text/xml

Accept:version_2.0

1.63.8 EXAMPLE PAYLOAD – REQUEST BY SKU

```

<Sku Name="Jeans & Sizes AVOCADO 1" SkuIdx="13224">
  <Store Name="Pitt St Store" StoreId="109864" StoreNumber="100" FreeStock="4" />
  <Store Name="George St Store" StoreId="108864" StoreNumber="212" FreeStock="996" />
  <Store Name="Swanston St Shop" StoreId="7501" StoreNumber="234" FreeStock="996" />
</Sku>

```

1.63.9 SUCCESS RESPONSE

HTTP Response		
200		

1.63.10 ERROR RESPONSE

HTTP Error	API Error Code	API Error Description
404	5008	No data found
400	5081	Sku index should be an integer
400	5081	Clr index should be an integer
400	5081	Style index should be an integer
400	5081	Store ID should be an integer
400	5080	You don't have security for the requested store

1.64 RETRIEVE FREESTOCK OF ALL STYLES

AllStyles endpoint has been built on top of the existing Freestock call. The returned payload has the same structure as the existing Freestock call at style level.

1.64.1 URI REQUEST FORMATS

/Freestock/AllStyles?countryCode={countryCode}&startRow={startingPositionofStyleReturned}&pageRows={numberOfStylesReturned}

/Freestock/AllStyles/{StoreId}?countryCode={countryCode}&startRow={startingPositionofStyleReturned}&pageRows={numberOfStylesReturned}

1.64.2 REQUEST PARAMETERS

Field	Required	Comment
countryCode	Mandatory	Country Code
StoreId	Optional	Store Id
startRow	Optional	Starting position of products returned
pageRows	Optional	Number of products returned

1.64.3 EXAMPLE REQUEST

GET <http://v-devserver2012/Impl122DocRetailApi/Freestock/AllStyles?countryCode=AU&startRow=1&pageRows=50>

Header

Content-type: text/xml

Accept:version_2.0

1.64.4 EXAMPLE PAYLOAD

```
<FreeStock xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" Type="Array" TotalRows="442" PageStartRow="1" PageRows="50">
  <Style Name="DOUBLE PKT SHIRT" StyleIdx="1101">
    <Clr Name="MULTICOLOURED" ClrIdx="1322">
      <Sku Name="6" SkuIdx="1783">
        <Store Name="Central Warehouse Sydney" StoreId="9521" StoreNumber="999" FreeStock="100" />
        <Store Name="EUROPEAN WAREHOUSE" StoreId="1502" StoreNumber="" FreeStock="61" />
        <Store Name="Average Costing Warehouse" StoreId="9261" StoreNumber="" FreeStock="10" />
        <Store Name="Chadstone" StoreId="8981" StoreNumber="811" FreeStock="84" />
        <Store Name="Raw Materials" StoreId="2764" StoreNumber="" FreeStock="284" />
        <Store Name="AUSTRALIA" StoreId="153" StoreNumber="" FreeStock="9708" />
        <Store Name="NEW ZEALAND" StoreId="2323" StoreNumber="473" FreeStock="100" />
      </Sku>
      <Sku Name="8" SkuIdx="1784">
        <Store Name="Average Costing Warehouse" StoreId="9261" StoreNumber="" FreeStock="10" />
        <Store Name="RETURNS" StoreId="16484" StoreNumber="008" FreeStock="2" />
        <Store Name="AUSTRALIA" StoreId="153" StoreNumber="" FreeStock="2011" />
      </Sku>
    </Clr>
  </Style>
</FreeStock>
```

```

<Store Name="EUROPEAN WAREHOUSE" StoreId="1502" StoreNumber="" FreeStock="2" />
<Store Name="Chadstone" StoreId="8981" StoreNumber="811" FreeStock="33" />
<Store Name="Central Warehouse Sydney" StoreId="9521" StoreNumber="999" FreeStock="100" />
<Store Name="SECONDS WAREHOUSE" StoreId="1161" StoreNumber="" FreeStock="15" />
<Store Name="NEW ZEALAND" StoreId="2323" StoreNumber="473" FreeStock="6" />
<Store Name="Raw Materials" StoreId="2764" StoreNumber="" FreeStock="294" />
<Store Name="WEB SHOP " StoreId="9441" StoreNumber="009" FreeStock="61" />
</Sku>

```

1.64.5 SUCCESS RESPONSE

HTTP Response		
200		

1.64.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Description
404	5008	No data found

19 STOCK CHANGES

The *Stock Changes* resource retrieves details of free stock for stores and the web store since a date / time. This endpoint is designed to get differences only and is not optimised for getting a full stock feed. It is intended that this be used to pick up recent changes since last feed. For items that have changed, the free stock value is the NEW available free stock and not the difference between last feed.

Note: Payload response size will vary depending on the changes made between last request so to avoid large payload responses, it is suggested that requests are either for shorter periods of time OR for a limited warehouse. i.e. Could do one warehouse / store at a time to limit payload response size.

The available filters for this endpoint are *StoreID*. To get details of the stores, use the resource [Stores](#).

The response for this endpoint includes *SKUID*. To get details of the products, use the resource *Products*.

1.65 STOCK CHANGES DETAILS

Field	Attribute	Format	Comment	Example	HTTP Header Accept:Version_
Store			One section for each store / warehouse		1.0
	Storeid	Integer	Id of store / warehouse	8981	
	LastChanged	Date/time	Date / time of last update	2018-05-29T14:202:07.76	
SKU			One section for each SKU that has changed for store / warehouse		
	skuid	Integer	Identifier of style / colour / size	30823	1.0
	freeStock	Integer	Free Stock value	4	

1.66 RETRIEVE STOCK CHANGED DETAILS

To retrieve a list of stock changes, use a GET on the following URI.

1.66.1 URI REQUEST FORMATS

/StockChanged?ChangedSince={date time}&StoreId={storeid}&countryCode={countryCode}

1.66.2 REQUEST PARAMETERS

Field	Required	Comment
StockChanged	Mandatory	Date/time to get changes since.
StoreId	Optional	The id of the warehouse or store. Used to filter response to a single warehouse / store. If not supplied, changes for all stores and the web store stock are returned.

CountryCode	Mandatory	Country code of the shopper
-------------	-----------	-----------------------------

1.66.3 EXAMPLE REQUEST

GET <https://retailapi.apparel21.com/RetailAPI/StockChanged?ChangedSince=2018-05-28T11:00:00&countryCode=AU>

Content-type: text/xml

Accept:version_1.0

1.66.4 EXAMPLE PAYLOAD RESPONSE

```
<stockByStore xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" changedSince="2018-05-28T11:00:00">
  <store storeid="8981" lastChanged="2018-05-29T14:20:07.76">
    <sku skuid="34145" freeStock="4" />
    <sku skuid="34447" freeStock="-15" />
    <sku skuid="31460" freeStock="-1" />
    <sku skuid="21804" freeStock="0" />
    <sku skuid="33069" freeStock="-1" />
    <sku skuid="30823" freeStock="-13" />
  </store>
  <store storeid="9001" lastChanged="2018-05-29T14:57:39.514">
    <sku skuid="19702" freeStock="-207" />
    <sku skuid="35723" freeStock="1" />
    <sku skuid="35721" freeStock="1" />
    <sku skuid="35724" freeStock="1" />
    <sku skuid="19701" freeStock="-272" />
    <sku skuid="1784" freeStock="-287" />
    <sku skuid="35722" freeStock="1" />
  </store>
  <store storeid="9041" lastChanged="2018-05-29T14:09:06.187">
    <sku skuid="31460" freeStock="1" />
    <sku skuid="35723" freeStock="1" />
    <sku skuid="35721" freeStock="1" />
    <sku skuid="35724" freeStock="1" />
    <sku skuid="35722" freeStock="1" />
    <sku skuid="34447" freeStock="3" />
    <sku skuid="33069" freeStock="2" />
  </store>
  <store storeid="9441" lastChanged="2018-05-29T15:44:18">
    <sku skuid="1784" freeStock="1978" />
    <sku skuid="30823" freeStock="22" />
    <sku skuid="34561" freeStock="38" />
    <sku skuid="28811" freeStock="100" />
    <sku skuid="19701" freeStock="57" />
    <sku skuid="34145" freeStock="36" />
    <sku skuid="19702" freeStock="-201" />
    <sku skuid="33069" freeStock="25" />
    <sku skuid="34447" freeStock="11" />
    <sku skuid="31460" freeStock="23" />
    <sku skuid="15382" freeStock="-2" />
    <sku skuid="12431" freeStock="394" />
    <sku skuid="12432" freeStock="24556" />
    <sku skuid="21804" freeStock="12" />
  </store>
</stockByStore>
```

1.66.5 SUCCESS RESPONSE

HTTP Response		
200		

1.66.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Description
400	5147	Warehouse doesn't exist: {0}
400	5148	No company is attached to widx {0}
400	5147	Invalid ChangedSince value: '{0}'. Valid format is 'yyyy-MM-ddTHH:MM:SS'
403	5097	Stock formula not set up

20 REWARDS

The API retrieves retail reward / gift information necessary to display shopper reward balance on the website. At present, a person can only be attached to a single rewards program. Rewards can be \$ or gifts.

API includes ability to:

- Retrieve list of rewards programs
- Retrieve account information details including tier information, list of available points and rewards / gifts
- Retrieve transaction history of all rewards, gifts and points issued / redeemed to and from an account
- Add person to a rewards program (create an account)
- Update person's reward account tier details
- Add new rewards / gifts to a person account
- Add new points to a person account
- Redeem points from a person account
- Redeem rewards / gifts from a person account
- Confirm redemption – allows confirming an unconfirmed request
- Reverse a redemption request – can only be done within 24 hours of request

The reward 'account' that a person belongs to can be retrieved using the [Persons](#) call.

Sequence of API calls for a reward / gift redemption:

Option 1 - If the website calls the order create call directly (i.e. can handle failure of order call)

- Get Reward Account Details – to look up rewards balance or gifts available
- Post Order – Spread reward \$ discount across all order items and pass reward \$ redemption as discount type 4.
When redeeming a gift, post gift SKU as a 100% discounted item (discount type 4).

Option 2 – If using third parties and need to decouple the reward redemption call from the order create call

- Get Reward Account Details – to look up rewards balance or gifts available
- Redeem Reward or Gift (with autoconfirm = false)
- Post Order – Spread reward \$ discount across all items and pass reward redemption discount (discount type 4) and request id (GUID). When redeeming a gift, post gift SKU as 100% discounted item (discount type 4). The Post Order call automatically confirms the reward redemption request.
- Confirm reward redemption request (if want to confirm before post order call).

1.67 REWARD PROGRAMS DETAILS

Field	Format	Max Length	Comment	Example	GET Response	HTTP Header Accept:Version_
RewardPrograms			Retrieves a list of all reward programs			
Program			Program is a sub-element of RewardPrograms			
Id	Integer		This is the unique identifier of the reward program	1	Yes	1.0
Name	Alpha	250	Name of reward program	Apparel21 Rewards	Yes	1.0
Description	Alpha	250	Description of reward program	Apparel21 Rewards Program	Yes	1.0
Currency	Alpha	15	Currency of reward program	AUD	Yes	1.0
Tiers			Retrieves a list of all tiers of a reward program			
Tier			Tier is a sub-element of Tiers. A program has at least one tier.			
Id	Integer		This is the unique identifier of the tier	1	Yes	1.0
Name	Alpha	250	Tier name	Bronze	Yes	1.0
Description	Alpha	250	Tier description	Bronze Tier	Yes	1.0
Sequence	Integer		Tier sequence within program. Lower number means lower tier.	1	Yes	1.0
AccrualSpend	Number		Spend \$ value required to accrue number of points.	1	Yes	1.0
AccrualPoints	Integer		Number of points accrued for each \$ spend eg: Every \$1 accrues 1 point	1	Yes	1.0

AutoRewardPointThreshold	Integer		Reward issuing rate i.e. total number of points to reach before system automatically converts total points to issue a reward Eg: For every 100 points issue \$10 reward	100	Yes	1.0
AutoRewardValue	Number		Reward \$ amount issued when the points threshold is met. Eg: Every 100 points issue \$10 reward	10	Yes	1.0
AutoRewardGiftId	Number		Gift id issued when points threshold is met. Eg: March Gift	22	Yes	1.0
TierPointBonus	Integer		Tier starting points bonus accrued when moving from a lower tier to a higher tier. Eg: Tier welcome bonus points	50	Yes	1.0
TierRewardBonus	Number		Tier starting rewards bonus accrued when moving from a lower tier to a higher tier. eg: Sign up \$20 reward bonus usable on first sale	\$20	Yes	1.0
TierGiftBonusId	Number		Tier starting bonus gift earned when moving from a lower tier to a higher tier. Eg: Welcome to Gold Gift	145	Yes	1.0
DefaultPointsExpiry			Default points expiry period for new points		Yes	1.0
Months	Integer		Points expiry months	12	Yes	1.0
Days	Integer		Points expiry days	0	Yes	1.0
DefaultRewardExpiry			Default reward expiry period for new rewards		Yes	1.0
Months	Integer		Rewards expiry months	12	Yes	1.0
Days	Integer		Rewards expiry days	0	Yes	1.0
PreventDemotionPeriod			Period a reward account is locked from being demoted. Shopper can still achieve a higher tier but won't be demoted even if they don't maintain spend.		Yes	1.0

Months	Integer		Number of months demotion is prevented	12	Yes	1.0
Days	Integer		Number of days demotion is prevented	7	Yes	1.0
QualifySpend	Integer		Spend to qualify to achieve a tier	\$300	Yes	1.0
QualifyPeriod			Rolling period that Apparel21 uses to sum up historical transactions to calculate a person's tier.	12	Yes	1.0
Months	Integer		Qualifications spend in months	12	Yes	1.0
Days	Integer		Qualifications spend in days	14	Yes	1.0
Gifts			Retrieves a list of gifts defined for the reward program		Yes	1.0
Gift			Gift is a sub-element of Gifts		Yes	1.0
Id	Integer		Unique identifier of the gift.		Yes	1.0
Name	Alpha	250	Name of gift	March gift - Bronze	Yes	1.0
Description	Alpha	250	Gift description	March gift for Bronze Tier customers	Yes	1.0
GiftStyles			GiftStyles is a sub-element of Gift		Yes	1.0
Style			Style is a sub-element of GiftStyles		Yes	1.0
Id	Integer	22	Unique identifier of the style	123	Yes	1.0
Code	Alpha	10	Style code	CAND	Yes	1.0
Name	Alpha	30	Style description	Pack of Candles	Yes	1.0

1.68 REWARD ACCOUNT DETAILS

Field	Format	Max Length	Comment	Example	GET Response	POST Response	PUT Response	HTTP Header Accept:Version_
RewardAccount			Retrieve reward account details					

Field	Format	Max Length	Comment	Example	GET Response	POST Response	PUT Response	HTTP Header Accept:Version_
Id	Integer		This is the unique identifier of the person reward account	1	Yes	No	No	1.0
ProgramId	Integer		This is the unique identifier of the reward program	1	Yes	Yes - Mandatory	No	1.0
ProgramName	Alpha	250	Name of reward program	Family & Friends	Yes	No	No	1.0
Currency	Alpha	15	Currency of reward program	AUD	Yes	No	No	1.0
TierId	Integer		This is the unique identifier of the tier	1	Yes	Optional – Must be valid for the program	Optional – Tier id to promot account to – must be valid for the program	1.0
TierName	Alpha	250	Tier name	Bronze	Yes	No	No	1.0
PersonId	Integer		Person idx	1841	Yes	Yes - Mandatory	Optional – When provided, validates account id and person	1.0
AvailablePoints	Integer		Available points balance (unexpired)	353	Yes	No	No	1.0

Field	Format	Max Length	Comment	Example	GET Response	POST Response	PUT Response	HTTP Header Accept:Version_
AvailableRewards	Number		Available rewards \$ balance (unexpired)	30	Yes	No	No	1.0
JoinDate	Date		Date person joined the rewards program YYYY-MM-DD	2018-01-01	Yes	No	No	1.0
TierJoinDate	Date		Date person achieved a tier YYYY-MM-DD	2018-01-01	Yes	No	No	1.0
TierLockedUntilDate	Date		Next Tier calculation will be done after this date YYYY-MM-DD	2018-01-25	Yes	Optional - sets to null when not passed	Optional – sets to null when not passed	1.0
PointsToNextReward	Integer (Nullable)		Points to accrue to next reward. Can be blank.	386	Yes	No	No	1.0
SpendToNextReward	Number (Nullable)		Spend to incur to achieve next reward. Can be blank.	86	Yes	No	No	1.0
NextTierId	Integer (Nullable)		Will be blank if reward program has no tiers or shopper is on last tier.	41	Yes	No	No	1.0
SpendToNextTier	Number (Nullable)		Spend to incur to next tier if shopper belongs to a tiered rewards program. Can be blank.	386	Yes	No	No	1.0
PointsList								
Accrual								
Issued	Number		Uniqueldx of points accrual	42181	Yes	No	No	1.0

Field	Format	Max Length	Comment	Example	GET Response	POST Response	PUT Response	HTTP Header Accept:Version_
CreatedDateTime	Date		Date points accrued	2018-01-15	Yes	No	No	1.0
Description	Alpha	250	Points accrual reason	Social Media post	Yes	No	No	1.0
Total	Integer		Total points accrued	100	Yes	No	No	1.0
Redeemed	Integer		Number of points that have already been redeemed	20	Yes	No	No	1.0
PendingRedemption	Integer		Points that have been redeemed, but are still in a pending state and can be reversed	10	Yes	No	No	1.0
Available	Integer		Points available balance	70	Yes	No	No	1.0
ExpiryDate	Date		Date points expire (can no longer be drawn from)		Yes	No	No	1.0
RewardsList								1.0
Reward								1.0
Issued	Number		Uniqueldx of issued reward	164321	Yes	No	No	1.0
CreatedDateTime	Date		Date reward issued	1/1/2018	Yes	No	No	1.0
Description	Alpha	250	Reward description	Birthday	Yes	No	No	1.0
Total	Number		Total value of reward	\$20	Yes	No	No	1.0
Redeemed	Number		Reward \$ redeemed	\$5	Yes	No	No	1.0
PendingRedemption	Number		Reward value that has been redeemed, but is still in a pending state and can be redeemed	\$3	Yes	No	No	1.0

Field	Format	Max Length	Comment	Example	GET Response	POST Response	PUT Response	HTTP Header Accept:Version_
Available	Number		Reward \$ balance available to redeem	\$12	Yes	No	No	1.0
ExpiryDate	Date		Date reward expires (can no longer be drawn from). YYYY-MM-DD	2019/1/1	Yes	No	No	1.0
IssueReason			Reward issue reason					1.0
Id	Number		Reference code idx of issue reason	17666	Yes	Yes (id or code required)	No	1.0
Code	Alpha	30	Reference code of the issue reason	Birthday	Yes	Yes (id or code required)	No	1.0
Name	Alpha	250	Reference code name of the issue reason	Birthday Reward	Yes	No	No	1.0
GiftList					Yes	No	No	1.0
Gift					Yes	No	No	1.0
IssuedId	Number		UniqueIdx of issued gift	301	Yes	No	No	1.0
CreateDateTime	Date		Date/Time gift added to reward account	2018-12-05T15:00:19	Yes	No	No	1.0
Description	Alpha	250	Gift issue description	March Gift Issue	Yes	No	No	1.0
GiftId	Integer		Unique Gift Id	26	Yes	No	No	1.0
GiftName	Alpha	250	Name of gift	March Gift Gift	Yes	No	No	1.0
ExpiryDate	Date		Gift expiry date YYYY-MM-DD	2019/1/1	Yes	No	No	1.0
IssueReason			Gift issue reason					1.0

Field	Format	Max Length	Comment	Example	GET Response	POST Response	PUT Response	HTTP Header Accept:Version_
Id	Number		Reference code idx of issue reason	17668	Yes	Yes (id or code required)	No	1.0
Code	Alpha	30	Reference code of the issue reason	Gold Tier Gift	Yes	Yes (id or code required)	No	1.0
Name	Alpha	250	Reference code name of the issue reason	Gold Tier Gift	Yes	No	No	1.0

1.69 REWARD TRANSACTIONS DETAILS

Field	Format	Max Length	Comment	Example	HTTP Header Accept:Version_
RewardTransactions					1.0
Transactions					1.0
TransactionDateTime	Date		Date Time of transaction	2018-08-22T15:19:10	1.0
Description	Alpha	250	Description of transaction – For retail and web orders consists of transaction type and store name	Birthday Reward	1.0
Source	Alpha	250	Transaction source – eg: Retail, CSV, Websales, Account Management, Tier Bonus, Retail API etc.	Retail API	1.0
Reference	Alpha	250	This is the order number for web orders, docket number for retail sales or reference given when adding points/rewards via CSV or API. Blank for sign up bonus.	D0123455	1.0
Spend	Number		Spend contributing to points accrual. Zero if directly adding points.	100	1.0
ForeignSpend	Number		Spend amount at overseas outlets	200	1.0
ForeignCurrency	Alpha	15	Spend currency at overseas outlets	USD	1.0
Points	Integer		Total points adjustment. Positive if adding points, negative if redeeming or negatively accruing points through returns. Can be positive or negative.	50	1.0
RewardAmount	Number		Total reward adjustment. Positive if adding reward, negative if redeeming reward.	10	1.0
GiftId	Integer				1.0
GiftName	Alpha	250			1.0

Field	Format	Max Length	Comment	Example	HTTP Header Accept:Version_n_
NewGift	Alpha	5	True only on transaction gift is issued. False all other instances.	true	1.0
RedeemedGiftSkuld	Number		SKUIDX of gift redeemed	1541	1.0
Confirmed	Integer		Confirmed flag (0-Unconfirmed, 1-Confirmed). If unconfirmed and REVERSED does not equal 1, the transaction is pending and may be reversed.	True	1.0

1.70 REWARD POST DETAILS

Field	Format	Comment	Example	HTTP Header Accept:Version_
RewardPost				
RequestId	Alpha(250)	Globally unique request identifier. Must be a GUID. Mandatory.	5AFC78B8-A622-438B-9ABE-AE9665827837	1.0
PersonId	Number	Identity of the person. When passed, person and accountId in request must match.	1841	1.0
Amount	Integer	Must be positive	5	1.0
PointsCost	Number	Points cost of reward. Must be zero or positive. Defaults to zero when not provided.	50	1.0
Description	Alpha(250)	Reward description. Optional	Birthday	1.0
Reference	Alpha(250)	Reference for reward. Optional.	BRT1	1.0
ExpiryDate	Date	Expiry date in YYYY-MM-DD format. Uses tier default if not passed.	2018-09-30	1.0

1.71 GIFT POST DETAILS

Field	Format	Comment	Example	HTTP Header Accept:Version_
GiftPost				

Field	Format	Comment	Example	HTTP Header Accept:Version_
RequestId	Alpha(250)	Globally unique request identifier. Must be a GUID. Mandatory.	5AFC78B8-A622-438B-9ABE-AE9665827837	1.0
PersonId	Number	Identity of the person. When passed, person and accountId in request must match.	1841	1.0
GiftId	Integer	Unique identifier for gift	5	1.0
PointsCost	Number	Points cost of reward. Must be zero or positive. Defaults to zero when not provided.	50	1.0
Description	Alpha(250)	Reward description. Optional	Birthday	1.0
Reference	Alpha(250)	Reference for reward. Optional.	BRT1	1.0
ExpiryDate	Date	Expiry date in YYYY-MM-DD format. Uses tier default if not passed.	2018-09-30	1.0

1.72 POINTS POST DETAILS

Field	Format	Comment	Example	HTTP Header Accept:Version_
PointsPost				
RequestId	Alpha(250)	Globally unique request identifier. Must be a GUID. Mandatory.	5AFC78B8-A622-438B-9ABE-AE9665827838	1.0
PersonId	Number	Identity of the person. Optional. When passed, person and accountId in request must match.	1841	1.0
Points	Integer	Number of points to add. Must be positive.	50	1.0
Description	Alpha(250)	Reward description. Optional	Birthday	1.0
Reference	Alpha(250)	Reference for reward. Optional.	BRT1	1.0
ExpiryDate	Date	Expiry date in YYYY-MM-DD format. Uses tier default if not passed.	2018-09-30	1.0

1.73 REWARD REDEEM DETAILS

Field	Format	Comment	Example	HTTP Header Accept:Version_
RewardRedemption				
AutoConfirm	Alpha	True or False. When set to true, confirmed automatically and cannot be reversed.	True	1.0

Field	Format	Comment	Example	HTTP Header Accept:Version_
RequestId	Alpha(250)	Globally unique request identifier. Must be a GUID. Mandatory.	5AFC78B8-A622-438B-9ABE-AE9665827838	1.0
PersonId	Number	Identity of the person. Optional. When passed, person and accountId in request must match.	1841	1.0
Amount	Number	Rewards \$ to redeem. Must be positive.	50	1.0
Description	Alpha(250)	Reward redemption description. Optional.	Birthday	1.0
Reference	Alpha(250)	Reference for reward redemption. Optional.	BRT1	1.0

1.74 GIFT REDEEM DETAILS

Field	Format	Comment	Example	HTTP Header Accept:Version_
GiftRedemption				
AutoConfirm	Alpha	True or False. When set to true, confirmed automatically and cannot be reversed.	True	1.0
RequestId	Alpha(250)	Globally unique request identifier. Must be a GUID. Mandatory.	5AFC78B8-A622-438B-9ABE-AE9665827838	1.0
PersonId	Number	Identity of the person. Optional. When passed, person and accountId in request must match.	1841	1.0
RedeemedSkuld	Number	SKUIDX of gift being redeemed	6861	1.0
GiftId	Integer	Unique identifier of gift.	50	1.0
Description	Alpha(250)	Gift redeem description. Optional.	Birthday	1.0
Reference	Alpha(250)	Reference for gift redemption. Optional.	BRT1	1.0

1.75 POINTS REDEEM DETAILS

Field	Format	Comment	Example	HTTP Header Accept:Version_
PointsRedemption				

Field	Format	Comment	Example	HTTP Header Accept:Version_
AutoConfirm	Alpha	True or False. When set to true, confirmed automatically and cannot be reversed.	True	1.0
RequestId	Alpha(250)	Globally unique request identifier. Must be a GUID. Mandatory.	5AFC78B8-A622-438B-9ABE-AE9665827838	1.0
PersonId	Number	Identity of the person. Optional. When passed, person and accountId in request must match.	1841	1.0
Points	Integer	Number of points to redeem. Must be positive.	50	1.0
Description	Alpha(250)	Reward redemption description. Optional.	Birthday	1.0
Reference	Alpha(250)	Reference for reward redemption. Optional.	BRT1	1.0

1.76 RETRIEVE LIST OF REWARD PROGRAM DETAILS

This GET request will return a list of all rewards programs available in Apparel21.

1.76.1 URI REQUEST FORMAT

/rewards/programs{/programId}?countryCode={countryCode}

1.76.2 REQUEST PARAMETERS

Field	Required	Comment
Country Code	Mandatory	Country Code of shopper
Program	Optional	Reward Program Id – when not specified, returns all programs

1.76.3 EXAMPLE REQUEST

GET

<https://retailapi.apparel21.com/RetailAPI/Rewards/Programs?countryCode=AU>

Content-type: text/xml

Accept:version_1.0

1.76.4 EXAMPLE RESPONSE

```

<RewardPrograms>
  <Program>
    <Id>1</Id>
    <Name>Apparel21 Rewards Program</Name>
    <Description>Apparel21 Rewards Program</Description>
    <Currency>AUD</Currency>
    <Tiers Type="Array">
      <Tier>
        <Id>1</Id>
        <Name>Bronze</Name>
        <Description>Bronze Tier</Description>
        <Sequence>1</Sequence>
        <AccrualSpend>1</AccrualSpend>
        <AccrualPoints>1</AccrualPoints>
        <AutoRewardPointThreshold>100</AutoRewardPointThreshold>
        <AutoRewardValue>10</AutoRewardValue>
        <AutoRewardGiftId />
        <TierPointsBonus>0</TierPointsBonus>
        <TierRewardsBonus>0</TierRewardsBonus>
        <TierGiftBonusId />
        <DefaultPointsExpiry>
          <Months>12</Months>
          <Days>0</Days>
        </DefaultPointsExpiry>
        <DefaultRewardExpiry>
          <Months>12</Months>
          <Days>0</Days>
        </DefaultRewardExpiry>
        <PreventDemotionPeriod>
          <Months>0</Months>
          <Days>0</Days>
        </PreventDemotionPeriod>
        <QualifySpend>0</QualifySpend>
        <QualifyPeriod>
          <Months>0</Months>
          <Days>0</Days>
        </QualifyPeriod>
      </Tier>
      <Tier>
        <Id>2</Id>
        <Name>Silver</Name>
        <Description>Silver Tier</Description>
        <Sequence>2</Sequence>
        <AccrualSpend>1</AccrualSpend>
        <AccrualPoints>2</AccrualPoints>
        <AutoRewardPointThreshold>100</AutoRewardPointThreshold>
        <AutoRewardValue>20</AutoRewardValue>
        <AutoRewardGiftId />
        <TierPointsBonus>0</TierPointsBonus>
        <TierRewardsBonus>0</TierRewardsBonus>
        <TierGiftBonusId />
        <DefaultPointsExpiry>
          <Months>12</Months>
          <Days>0</Days>
        </DefaultPointsExpiry>
        <DefaultRewardExpiry>
          <Months>12</Months>
          <Days>0</Days>
        </DefaultRewardExpiry>
        <PreventDemotionPeriod>
          <Months>12</Months>
          <Days>0</Days>
        </PreventDemotionPeriod>
        <QualifySpend>300</QualifySpend>
        <QualifyPeriod>
          <Months>12</Months>
          <Days>0</Days>
        </QualifyPeriod>
      </Tier>
      <Id>3</Id>
      <Name>Gold</Name>
    </Tiers>
  </Program>
</RewardPrograms>

```

```

        <Description>Gp;d</Description>
        <Sequence>3</Sequence>
        <AccrualSpend>100</AccrualSpend>
        <AccrualPoints>2</AccrualPoints>
        <AutoRewardPointThreshold>100</AutoRewardPointThreshold>
        <AutoRewardValue>20</AutoRewardValue>
        <AutoRewardGiftId>21</AutoRewardGiftId>
        <TierPointsBonus>0</TierPointsBonus>
        <TierRewardsBonus>0</TierRewardsBonus>
        <TierGiftBonusId />
        <DefaultPointsExpiry>
            <Months>12</Months>
            <Days>0</Days>
        </DefaultPointsExpiry>
        <DefaultRewardExpiry>
            <Months>12</Months>
            <Days>0</Days>
        </DefaultRewardExpiry>
        <PreventDemotionPeriod>
            <Months>12</Months>
            <Days>0</Days>
        </PreventDemotionPeriod>
        <QualifySpend>5000</QualifySpend>
        <QualifyPeriod>
            <Months>12</Months>
            <Days>0</Days>
        </QualifyPeriod>
    </Tier>
</Tiers>
<Gifts Type="Array">
    <Gift>
        <Id>2</Id>
        <Name>August Gifts</Name>
        <Description>August Gifts</Description>
        <GiftStyles Type="Array" />
    </Gift>
    <Gift>
        <Id>1</Id>
        <Name>March Gifts</Name>
        <Description>March Gifts</Description>
        <GiftStyles Type="Array">
            <Style>
                <Id>6861</Id>
                <Code>CAP</Code>
                <Name>STRAW COWBOY - CAPPICINO</Name>
            </Style>
            <Style>
                <Id>7201</Id>
                <Code>Bottles</Code>
                <Name>BOTTLE CAP OSFA</Name>
            </Style>
        </GiftStyles>
    </Gift>
</Gifts>
</Program>
<Program>
    .....
    .....
</Program>
</RewardPrograms>

```

1.77 RETRIEVE REWARD ACCOUNT DETAILS

This **GET** request retrieves all account information details including a person's current tier details, spend to next reward / tier detail and list of available accrued points and issued rewards that are not expired.

1.77.1 URI REQUEST FORMAT

/rewards/accounts/{accountId}?countryCode={countryCode}

1.77.2 REQUEST PARAMETERS

Field	Required	Comment
Account Id	Mandatory	Account id of the reward program that the shopper belongs to
Country Code	Mandatory	Country Code of shopper

1.77.3 EXAMPLE REQUEST

GET

<https://retailapi.apparel21.com/RetailAPI/Rewards/Accounts/1?countryCode=AU>

Content-type: text/xml

Accept:version_1.0

1.77.4 EXAMPLE RESPONSE

```
<RewardAccount>
  <Id>1</Id>
  <ProgramId>1</ProgramId>
  <ProgramName>Apparel21 Rewards Program</ProgramName>
  <Currency>AUD</Currency>
  <TierId>1</TierId>
  <TierName>Bronze</TierName>
  <PersonId>1841</PersonId>
  <TierLockedUntilDate>2019-09-19</TierLockedUntilDate>
  <AvailablePoints>100</AvailablePoints>
  <AvailableRewards>25</AvailableRewards>
  <JoinDate>2018-09-11</JoinDate>
  <TierJoinDate>2018-09-19</TierJoinDate>
  <PointsToNextReward>86</PointsToNextReward>
  <SpendToNextReward>86</SpendToNextReward>
  <NextTierId>41</NextTierId>
  <SpendToNextTier>386</SpendToNextTier>
  <PointsList Type="Array">
    <Accrual>
      <AccrualId>42181</AccrualId>
      <CreatedDateTime>2018-08-22T15:19:10</CreatedDateTime>
      <Description>Free Points</Description>
      <Total>100</Total>
      <Redeemed>0</Redeemed>
      <PendingRedemption>0</PendingRedemption>
      <Available>100</Available>
      <ExpiryDate>2019-08-22</ExpiryDate>
    </Accrual>
  </PointsList>
  <RewardsList Type="Array">
    <Reward>
      <RewardId>163421</RewardId>
      <CreatedDateTime>2018-08-22T15:24:44</CreatedDateTime>
      <Description>Birthday Reward</Description>
    </Reward>
  </RewardsList>
</RewardAccount>
```

```

    <Total>25</Total>
    <Redeemed>0</Redeemed>
    <PendingRedemption>0</PendingRedemption>
    <Available>25</Available>
    <ExpiryDate>2019-08-22</ExpiryDate>
    <IssueReason>
      <Id>17665</Id>
      <Code>Birthday Reward </Code>
      <Name>Birthday Reward </Name>
    </IssueReason>
  </Reward>
</RewardsList>
<GiftList Type="Array">
  <Gift>
    <IssueId>301</IssueId>
    <CreatedDateTime>2018-12-05T15:00:19</CreatedDateTime>
    <Description>Test March Gift</Description>
    <GiftId>21</GiftId>
    <GiftName>March Gift</GiftName>
    <Available>true</Available>
    <ExpiryDate>2019-12-05</ExpiryDate>
    <IssueReason>
      <Id>17666</Id>
      <Code>Random</Code>
      <Name>Random Reward</Name>
    </IssueReason>
  </Gift>
</GiftList>
</RewardAccount>

```

1.78 CREATE AN ACCOUNT FOR A PERSON

Do a **POST** on the below URI to add a person to a rewards program. This creates a reward account for the person and marks the new account as active. Person Id is an optional element.

If the person was already a member of another reward program, the old account gets deactivated and the new account is activated instead.

Assigning a person to an existing 'inactive' account, reactivates the old reward account.

When a tier is not passed, the person is assigned the default tier.

1.78.1 URI REQUEST FORMAT

/rewards/accounts?countryCode={countryCode}

1.78.2 REQUEST PARAMETERS

Field	Required	Comment
Country Code	Mandatory	Country Code of shopper

1.78.3 EXAMPLE REQUEST

POST

<https://retailapi.apparel21.com/RetailAPI/Rewards/Accounts?countryCode=AU>

Content-type: text/xml

Accept:version_1.0

1.78.4 EXAMPLE PAYLOAD

```
<RewardAccount>
  <ProgramId>21</ProgramId>
  <TierId>21</TierId>
  <TierLockedUntilDate>2019-08-22</TierLockedUntilDate>
  <PersonId>2541</PersonId>
</RewardAccount>
```

1.78.5 EXAMPLE RESPONSE

```
<RewardAccount>
  <Id>21</Id>
  <ProgramId>21</ProgramId>
  <ProgramName>Family and Friends Rewards Program</ProgramName>
  <TierId>21</TierId>
  <TierName>Bronze</TierName>
  <PersonId>2541</PersonId>
  <TierLockedUntilDate>2019-08-22</TierLockedUntilDate>
</RewardAccount>
```

1.79 UPDATE REWARD ACCOUNT TIER DETAILS

Do a **PUT** on the below URI to update a person's tier information.

1.79.1 URI REQUEST FORMAT

/rewards/accounts/{accountid}?countryCode={countryCode}

1.79.2 REQUEST PARAMETERS

Field	Required	Comment
Account Id	Mandatory	Identity of the shopper reward account
Country Code	Mandatory	Country Code of shopper

1.79.3 EXAMPLE REQUEST

PUT

<https://retailapi.apparel21.com/RetailAPI/Rewards/Accounts?countryCode=AU>

Content-type: text/xml

Accept:version_1.0

1.79.4 EXAMPLE PAYLOAD

```
<RewardAccount>
  <TierId>22</TierId>
  <TierLockedUntilDate>2019-09-01</TierLockedUntilDate>
  <PersonId>2541</PersonId>
</RewardAccount>
```

1.79.5 EXAMPLE RESPONSE

```
<RewardAccount>
  <Id>21</Id>
  <ProgramId>21</ProgramId>
  <ProgramName>Family and Friends Rewards Program</ProgramName>
  <TierId>22</TierId>
  <TierName>Silver</TierName>
  <PersonId>2541</PersonId>
  <TierLockedUntilDate>2019-09-01</TierLockedUntilDate>
</RewardAccount>
```

1.80 RETRIEVE LIST OF TRANSACTIONS FOR A REWARD ACCOUNT

Do a **GET** on the below URI to retrieve a history of all points and reward accruals and redemptions.

1.80.1 URI REQUEST FORMAT

/rewards/accounts/{accountId}/transactions?countryCode={countryCode}

1.80.2 REQUEST PARAMETERS

Field	Required	Comment
Account Id	Mandatory	Identity of the reward account of shopper
Country Code	Mandatory	Country Code of shopper
From Date	Optional	Earliest date to retrieve transaction from yyyy-MM-dd format

1.80.3 EXAMPLE REQUEST

POST

<https://retailapi.apparel21.com/RetailAPI/Rewards/Accounts/1/Transactions?countryCode=AU>

Content-type: text/xml

Accept:version_1.0

1.80.4 EXAMPLE RESPONSE

```
<RewardTransaction>
  <Transaction>
    <TransactionDateTime>2018-08-22T15:19:10</TransactionDateTime>
    <Description>Free Points</Description>
    <Source>CSV</Source>
    <Reference>XYZ1234</Reference>
    <Spend>0</Spend>
    <ForeignSpend>0</ForeignSpend>
    <ForeignCurrency/>
    <Points>100</Points>
    <RewardAmount>0</RewardAmount>
    <GiftId />
    <GiftName />
    <NewGift>false</NewGift>
    <RedeemedGiftSkuId />
    <Confirmed>true</Confirmed>
  </Transaction>
  <Transaction>
    <TransactionDateTime>2018-08-22T15:24:44</TransactionDateTime>
    <Description>March Gift</Description>
    <Source>Account Management</Source>
    <Reference />
    <Spend>0</Spend>
    <ForeignSpend>0</ForeignSpend>
    <ForeignCurrency/>
    <Points>0</Points>
    <RewardAmount>0</RewardAmount>
    <GiftId>21</GiftId>
    <GiftName>March Gift</GiftName>
    <NewGift>true</NewGift>
    <RedeemedGiftSkuId />
    <Confirmed>true</Confirmed>      </Transaction>
  <Transaction>
    <TransactionDateTime>2018-12-07T10:05:52</TransactionDateTime>
    <Description>Redeem March Reward</Description>
    <Source>RetailAPI</Source>
    <Reference>Redeen March Reward API</Reference>
    <Spend>0</Spend>
    <ForeignSpend>0</ForeignSpend>
    <ForeignCurrency/>
    <Points>0</Points>
    <RewardAmount>0</RewardAmount>
    <GiftId>21</GiftId>
    <GiftName>March Gift</GiftName>
    <NewGift>false</NewGift>
    <RedeemedGiftSkuId>15541</RedeemedGiftSkuId>
    <Confirmed>true</confirmed>
  </Transaction>
</RewardTransactions>
```

1.81 ADD NEW REWARDS TO AN ACCOUNT

Do a **POST** on the below URI to issue new rewards to a reward account.

1.81.1 URI REQUEST FORMAT

/rewards/accounts/{accountId}/rewards/?countryCode={countryCode}

1.81.2 REQUEST PARAMETERS

Field	Required	Comment
Account Id	Mandatory	Identity of the reward account of shopper
Country Code	Mandatory	Country Code of shopper

1.81.3 EXAMPLE REQUEST

POST

<https://retailapi.apparel21.com/RetailAPI/Rewards/Accounts/1/Rewards/?countryCode=AU>

Content-type: text/xml

Accept:version_1.0

1.81.4 EXAMPLE PAYLOAD

```
<RewardPost>
  <PersonId>1841</PersonId>
  <RequestId>5AFC78B8-A622-438B-9ABE-AE9665827838</RequestId>
  <Amount>25</Amount>
  <Description>Insta posts</Description>
  <Reference>SM1</Reference>
  <ExpiryDate>2019-08-30</ExpiryDate>
  <IssueReason>
    <Id>17666</Id>
  </IssueReason>
</RewardPost>
```

1.82 ADD NEW GIFTS TO AN ACCOUNT

Do a **POST** on the below URI to issue new gifts to a reward account.

1.82.1 URI REQUEST FORMAT

/rewards/accounts/{accountId}/Gifts/?countryCode={countryCode}

1.82.2 REQUEST PARAMETERS

Field	Required	Comment
Account Id	Mandatory	Identity of the reward account of shopper
Country Code	Mandatory	Country Code of shopper

1.82.3 EXAMPLE REQUEST

POST

<https://retailapi.apparel21.com/RetailAPI/Rewards/Accounts/1/Gifts/?countryCode=AU>

Content-type: text/xml

Accept: version_1.0

1.82.4 EXAMPLE PAYLOAD

```
<GiftPost>
  <RequestId>63850e00-9ba03-406a-bae8-368e21d74c9g</RequestId>
  <PersonId>1841</PersonId>
  <GiftId>22</GiftId>
  <Description>August Gift Issue API</Description>
  <Reference>AUG123</Reference>
  <ExpiryDate>2019-08-12</ExpiryDate>
  <IssueReason>
    <Id>17666</Id>
  </IssueReason>
</GiftPost>
```

1.83 ADD NEW POINTS TO AN ACCOUNT

Do a **POST** on the below URI to accrue points to a person's reward account.

1.83.1 URI REQUEST FORMAT

/rewards/accounts/{accountId}/points/?countryCode={countryCode}

1.83.2 REQUEST PARAMETERS

Field	Required	Comment
Account Id	Mandatory	Identity of the reward account of shopper
Country Code	Mandatory	Country Code of shopper

1.83.3 EXAMPLE REQUEST

POST

<https://retailapi.apparel21.com/RetailAPI/Rewards/Accounts/1/Points?countryCode=AU>

Content-type: text/xml

Accept:version_1.0

1.83.4 EXAMPLE PAYLOAD

```
<PointsPost>
  <RequestId>5AFC78B8-A622-438B-9ABE-AE9665827837</RequestId>
  <PersonId>1841</PersonId>
```

```

    <Points>100</Points>
    <Description>Social Media Posts</Description>
    <Reference>SMP123</Reference>
    <ExpiryDate>2019-01-01</ExpiryDate>
</PointsPost>

```

1.84 REDEEM REWARD

Do a **POST** on the below URI to redeem a reward from an account.

1.84.1 URI REQUEST FORMAT

/rewards/accounts/{accountId}/rewards/redemptions?countryCode={countryCode}

1.84.2 REQUEST PARAMETERS

Field	Required	Comment
Account Id	Mandatory	Identity of the reward account of shopper
Country Code	Mandatory	Country Code of shopper

1.84.3 EXAMPLE REQUEST

POST

<https://retailapi.apparel21.com/RetailAPI/Rewards/Accounts/1/Rewards/Redemptions?countryCode=AU>

Content-type: text/xml

Accept:version_1.0

1.84.4 EXAMPLE PAYLOAD

```

<RewardRedemption>
  <AutoConfirm>true</AutoConfirm>
  <RequestId>5AFC78B8-A622-438B-9ABE-AE9665827837</RequestId>
  <PersonId>1841</PersonId>
  <Amount>10.50</Amount>
  <Description>Redeem reward</Description>
  <Reference>RED123</Reference>
</RewardRedemption>

```

1.85 REDEEM GIFT

Do a **POST** on the below URI to redeem a gift from an account.

1.85.1 URI REQUEST FORMAT

/rewards/accounts/{accountId}/gifts/redemptions?countryCode={countryCode}

1.85.2 REQUEST PARAMETERS

Field	Required	Comment
Account Id	Mandatory	Identity of the reward account of shopper
Country Code	Mandatory	Country Code of shopper

1.85.3 EXAMPLE REQUEST

POST

<https://retailapi.apparel21.com/RetailAPI/Rewards/Accounts/1/Gifts/Redemptions?countryCode=AU>

Content-type: text/xml

Accept:version_1.0

1.85.4 EXAMPLE PAYLOAD

```
<GiftRedemption>
  <AutoConfirm>false</AutoConfirm>
  <RequestId>5AFC78B8-A622-438C-9ABE-AE9665127819</RequestId>
  <PersonId>1841</PersonId>
  <GiftId>21</GiftId>
  <RedeemedSkuId>15541</RedeemedSkuId>
  <Description>Redeem March Reward</Description>
  <Reference>Redeem March Reward API</Reference>
</GiftRedemption>
```

1.86 REDEEM POINTS

Do a **POST** on the below URI to redeem a points from an account.

1.86.1 URI REQUEST FORMAT

/rewards/accounts/{accountId}/points/redemptions?countryCode={countryCode}

1.86.2 REQUEST PARAMETERS

Field	Required	Comment
Account Id	Mandatory	Identity of the reward account of shopper
Country Code	Mandatory	Country Code of shopper

1.86.3 EXAMPLE REQUEST

POST

<https://retailapi.apparel21.com/RetailAPI/Rewards/Accounts/1/Points/Redemptions?countryCode=AU>

Content-type: text/xml

Accept:version_1.0

1.86.4 EXAMPLE PAYLOAD

```
<PointsRedemption>
  <AutoConfirm>true</AutoConfirm>
  <RequestId>5AFC78B8-A622-438B-9ABE-AE9665827817</RequestId>
  <PersonId>1841</PersonId>
  <Points>30</Points>
  <Description>Redeem points</Description>
  <Reference>RED456</Reference>
</PointsRedemption>
```

1.87 CONFIRM UNCONFIRMED REQUEST

Do a **POST** on the below URI to confirm an unconfirmed request and commit the pending redemption of points or rewards.

1.87.1 URI REQUEST FORMAT

/rewards/confirmation?countryCode={countryCode}&requestId={requestId}

1.87.2 REQUEST PARAMETERS

Field	Required	Comment
Country Code	Mandatory	Country Code of shopper
Request Id	Mandatory	Request Id (GUID)

1.87.3 EXAMPLE REQUEST

POST

<https://retailapi.apparel21.com/RetailAPI/Rewards/Confirmation?countryCode=AU&requestId=5AFC78B8-A622-438B-9ABE-AE9665827817>

Content-type: text/xml

Accept:version_1.0

1.88 REVERSE UNCONFIRMED REQUEST

Do a **POST** on the below URI to rollback redemption request. This can only be done within 24 hours of a redemption request.

1.88.1 URI REQUEST FORMAT

/rewards/reversal?countryCode={countryCode}&requestId={requestId}

1.88.2 REQUEST PARAMETERS

Field	Required	Comment
Country Code	Mandatory	Country Code of shopper
Request Id	Mandatory	Request Id (GUID recommended)

1.88.3 EXAMPLE REQUEST

POST

<https://retailapi.apparel21.com/RetailAPI/Rewards/Reversal?countryCode=AU&requestId=5AFC78B8-A622-438B-9ABE-AE9665827817>

Content-type: text/xml

Accept:version_1.0

1.89 SUCCESS RESPONSE

HTTP Response		
200		OK
201		Created

1.90 ERROR RESPONSE

HTTP Error	API Error Code	API Error Description
403	5152	AccountId 'XXX' does not exist
403	5153	XXX is not a positive number
403	5154	XXX is neither zero nor a positive number
403	5155	PersonId 'XXX' does not match AccountId 'YYY'
403	5156	Not enough points available to redeem
403	5157	Not enough rewards available to redeem
403	5158	'RequestId' URL parameter is mandatory
403	5159	TierId 'XXX' is not valid for ProgramId 'YYY'
403	5160	Failed to create account for PersonId 'XXX' and ProgramId 'YYY'
403	5161	Account already exists for PersonId 'XXX' and ProgramId 'YYY'
403	5162	ProgramId 'XXX' does not exist
403	5163	RequestId 'XXX' has already been processed
403	5164	RequestId is mandatory"
403	5165	Account XXX is corrupt
403	5166	Person XXX is not valid
403	5167	AccountId 'XXX' is not valid for the API web store

403	5168	ProgramId 'XXX' is not valid for the API web store
403	5169	AccountId 'XXX' has changed since update was requested
403	5170	Rewards Error: XXX
403	5171	No gift with GiftId XXX available to redeem
403	5172	GiftId XXX not valid for AccountId XXX
403	5173	RedeemedSkudId XXX is invalid for GiftId XXX
403	5174	AccountId XXX is not associated with an active program

21 STORES

The Stores resource retrieves store details to enable a shopper to purchase goods online and collect from a store that is convenient for them. The *FreeStock* resource is created in conjunction with *Stores* to display available stock by SKU.

1.91 STORE DETAILS

Field	Format	Max Length	Comment	Example	GET Response	HTTP Header Accept: Version_
Store			Lists Store details			
StoreId	Integer	22	Identifier for the Store	108864	Yes	2.0
Code	Alpha	30	Store Code	GEORGESTS	Yes	2.0
StoreNo	Integer	3	Store Number	100	Yes	2.0
Name	Alpha	30	Retail Store Name	George St Store	Yes	2.0
Address1	Alpha	50	1 st line of the store address	110 Cremorne St	Yes	2.0
Address2	Alpha	50	2 nd line of the store address	Level 2	Yes	2.0
City	Alpha	50	City of the store	Cremorne	Yes	2.0
State	Alpha	50	State	VIC	Yes	2.0
Postcode	Integer	10	Postcode of the store	3131	Yes	2.0
Country	Alpha	20	Country of the Store	Australia	Yes	2.0
Email	Alpha	250	Email address of the store	GeorgeSt@apparel21.com	Yes	2.0

1.92 RETRIEVE STORE DETAILS

To retrieve a list of stores use a **GET** on the following URI.

1.92.1 URI REQUEST FORMAT

/Stores/{StoreId}?countryCode={countryCode}

1.92.2 REQUEST PARAMETERS

Field	Required	Comment
StoreId	Optional	Id of the Store to request details for a single store
CountryCode	Mandatory	Country code of the shopper

1.92.3 EXAMPLE REQUEST

GET <https://retailapi.apparel21.com/RetailAPI/Stores/2701?countryCode=AU>

Content-type: text/xml

1.92.4 EXAMPLE PAYLOAD

```

<Store>
  <StoreId>108864</StoreId>
  <Code>GEORGESTS</Code>
  <StoreNo>100</StoreNo>
  <Name>George St Store</Name>
  <Address1>110 Cremorne St</Address1>
  <Address2>Level 2</Address2>
  <City>Cremorne</City>
  <State>VIC</State>
  <Postcode>3131</Postcode>
  <Country>Australia</Country>
  <Email>GeorgeSt@Apparel21.com</Email>
</Store>

```

1.92.5 SUCCESS RESPONSE

HTTP Response		
200		OK
201		Created

1.92.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		
400	5081	Store ID should be an integer
403	5080	You don't have security for the requested store
403	5014	Size of field XXXX, 9999 is too long. Maximum length is 9999.

22 SHIPMENTS

The Shipments resource retrieves shipment details for all orders that have been despatched from either the warehouse or retail stores. If an order has been despatched in multiple shipments, the response will return all shipments with corresponding Carrier and Consignment note details.

1.93 SHIPMENT DETAILS

Field	Format	Max Length	Comment	Example	GET Response	HTTP Header Accept: Version_
Shipment			Lists Shipment details			
CarrierName	Alpha	22	Name of carrier	TNT International	Yes	2.0
CarrierUrl	Alpha	30	URL of carrier. Returns a value only if carrier is a valid reference code in Apparel ²¹ , otherwise returns blank.	www.TNT.com	Yes	2.0
ConNote	Alpha	50	Consignment Note Number of shipment	GE292474889AU	Yes	2.0
DespatchDate	Date		Date of despatch	2014-11-17	Yes	2.0
Contents			Lists of contents		Yes	2.0
Content					Yes	2.0
ProductCode	Alpha		Product Code			
ColourCode	Alpha		Colour Code			
SizeCode	Alpha		Size Code			
Skuld	Integer	22	Id of the SKU	12300	Yes	2.0
Quantity	Num(22,2)	22	Quantity of SKU	1	Yes	2.0

1.94 RETRIEVE SHIPMENT DETAILS

To retrieve a list of shipment details for an order perform a **GET** on the following URI.

1.94.1 URI REQUEST FORMAT

/Persons/{PersonId}/Shipments/{OrderId}?countryCode={countryCode}

1.94.2 REQUEST PARAMETERS

Field	Required	Comment
PersonId	Mandatory	Id of the Person the orders are requested for
OrderId	Mandatory	Id of the Order to request shipment details for a single order
CountryCode	Mandatory	Country code of the shopper

1.94.3 EXAMPLE REQUEST

GET <https://retailapi.apparel21.com/RetailAPI/persons/4323/shipments/3323?countryCode=AU>

Content-type: text/xml

Accept:version_2

1.94.4 EXAMPLE PAYLOAD

```
</Shipments>
  </Shipment>
  <Shipment>
    <CarrierName/>
    <CarrierUrl/>
    <ConNote>connotel-pos</ConNote>
    <DespatchDate>2015-04-16T00:00:00</DespatchDate>
    <Contents>
      <Content>
        <ProductCode>JL 0006</ProductCode>
        <ColourCode/>
        <SizeCode/>
        <SkuId>17722</SkuId>
        <Quantity>2</Quantity>
      </Content>
      <Content>
        <ProductCode>JL 0007</ProductCode>
        <ColourCode>SDB</ColourCode>
        <SizeCode/>
        <SkuId>17725</SkuId>
        <Quantity>1</Quantity>
      </Content>
      <Content>
        <ProductCode>JL 0008</ProductCode>
        <ColourCode>SDB</ColourCode>
```

```

        <SizeCode>XL</SizeCode>
        <SkuId>17739</SkuId>
        <Quantity>1</Quantity>
      </Content>
    </Contents>
  </Shipment>
<Shipment>
  <CarrierName>Toll</CarrierName>
  <CarrierUrl>http://www.toll.com/</CarrierUrl>
  <ConNote>mo2</ConNote>
  <DespatchDate>2015-04-16T00:00:00</DespatchDate>
  <Contents>
    <Content>
      <ProductCode>JL 0007</ProductCode>
      <ColourCode>SDB</ColourCode>
      <SizeCode/>
      <SkuId>17725</SkuId>
      <Quantity>1</Quantity>
    </Content>
  </Contents>
</Shipment>
</Shipments>

```

1.94.5 SUCCESS RESPONSE

HTTP Response		
200		

1.94.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text

23 FREIGHT OPTIONS

A new GET endpoint is added for retrieving freight options with details of carrier, service type and SLA. In Apparel21, a freight option is considered valid if it has an active flag. Since there is no explicit configuration in Apparel21 for pairing freight options to web stores, web developers will need to use the new GET endpoint to get all valid freight options and then assign the specific freight option for order submission.

Field	Format	Comment	Example	HTTP Header Accept:Version
FreightOptions	Alpha	Type="Array"		4.0
FreightOption	Alpha			4.0
Id	Integer	CrescoData needs to pass this Id for order submission	884	4.0
Name	Alpha	Description of freight option	eParcel Standard Signature + Optional ATL	4.0
Carrier	Alpha			4.0
Id	Integer	Ap21 identification number of carrier	18936	4.0
Code	Alpha	Code of carrier	AUS	4.0
Name	Alpha	Name of carrier which is passed in <Carrier> of order updates payload. CrescoData can map this to marketplace's carrier.	Australia Post	4.0
Url	Alpha	Url of carrier which is used together with connote for tracking	https://auspost.com.au/mypost/track	4.0
ServiceType	Alpha			4.0
Id	Integer	Ap21 identification number of service type	18934	4.0
Code	Alpha	Code of service type	50S1	4.0
Name	Alpha	Description of service type	eParcel Standard	4.0
SLA	Alpha			4.0
Id	Integer	Ap21 identificaton number of SLA	19252	4.0
Code	Alpha	Code of SLA	Std	4.0
Name	Alpha	Description of SLA	Standard SLA's	4.0

1.95 RETRIEVE FREIGHT OPTIONS FROM WEB FREIGHT OPTIONS

1.95.1 URI REQUEST FORMAT

/FreightOptions?countryCode={countryCode}

1.95.2 REQUEST PARAMETERS

Field	Required	Comment
CountryCode	Mandatory	Country code of the shopper

1.95.3 EXAMPLE REQUEST

GET <https://feedback.apparel21.com/gantretailapi/FreightOptions?countryCode=AU-GA-IO>

Content-type: text/xml

Accept:version_4.0

1.95.4 EXAMPLE PAYLOAD

```
<FreightOptions xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" Type="Array">
  <FreightOption>
    <Id>884</Id>
    <Name>eParcel Standard Signature + Optional ATL</Name>
    <Carrier>
      <Id>18936</Id>
      <Code>AUS</Code>
      <Name>Australia Post</Name>
      <Url />
    </Carrier>
    <ServiceType>
      <Id>18934</Id>
      <Code>50S1</Code>
      <Name>eParcel Standard</Name>
    </ServiceType>
    <SLA>
      <Id>19252</Id>
      <Code>Std</Code>
      <Name>Standard SLA's</Name>
    </SLA>
  </FreightOption>
  <FreightOption>
    <Id>901</Id>
    <Name>eParcel Express Signature + Optional ATL</Name>
```

```

    <Carrier>
      <Id>18936</Id>
      <Code>AUS</Code>
      <Name>Australia Post</Name>
      <Url />
    </Carrier>
    <ServiceType>
      <Id>18935</Id>
      <Code>50X1</Code>
      <Name>eParcel Express Signature+Optional ATL</Name>
    </ServiceType>
    <SLA>
      <Id>19254</Id>
      <Code>Express</Code>
      <Name>Express</Name>
    </SLA>
  </FreightOption>
</FreightOptions>

```

1.95.5 SUCCESS RESPONSE

HTTP Response		
200		

1.95.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		

24 ADDITIONAL ERROR RESPONSES

The following are common error codes.

HTTP Error	API Error Code	API Error Text
403	5015	SQL Error
403	5029	The country has not been setup at head office
403	5030	You don't have security for the requested store
403	5031	Final customer not defined for country
403	5036	Invalid warehouse code in API web site configurations file
403	5122	Request content type is not XML
403	5121	Cannot deserialise payload

These errors can be resolved by contacting an Apparel²¹ consultant.