

17 GIFT VOUCHERS

Gift Vouchers can 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 (if 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’.

1.57 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 emailing voucher, vouchers can be delivered at a future date, using the *<DeliveryDate>* element when purchasing the order. If this feature is to be used, additional set up is required in the back office (job 117077).

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.

1.58 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. An 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*.

1.59 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

1.60 GIFT VOUCHER ENQUIRY

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

1.60.1 URI REQUEST FORMAT

/Voucher/{voucher number}?pin={pinnumber}&?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
CountryCode	Mandatory	Country code of the shopper

1.60.3 EXAMPLE REQUEST

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

Content-type: text/xml
Accept:version_2.0

1.60.4 EXAMPLE RESPONSE

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

1.60.5 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	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		

1.61 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.

1.61.1 URI REQUEST FORMAT

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

1.61.2 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

1.61.3 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

1.61.4 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>
```

1.61.5 SUCCESS RESPONSE

HTTP Response		
200		

1.61.6 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		

1.62 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.

1.62.1 URI REQUEST FORMAT

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

1.62.2 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

1.62.3 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

1.62.4 SUCCESS RESPONSE

HTTP Response		
200		

1.62.5 ERROR RESPONSE

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

1.63 GIFT VOUCHER SUMMARY (SIMPLE)

This new endpoint has been designed for systems that need to store gift voucher information externally. This endpoint will require additional licensing and charges, it is **NOT** part of our standard API suite. Please refer to job 118241 for further information.

1.63.1 URI REQUEST FORMAT

[/Vouchers/VouchersSimple?countryCode=AU&updatedAfter=2020-12-01T11:33:07](#)

1.63.2 REQUEST PARAMETERS

The GET request parameters are:

Parameter	Mandatory / Optional	Description
UpdatedAfter	Optional	<p>The available formats for this field are</p> <p>YYYY-MM-DDTHH:MM:SS (24-hour format)</p> <p>YYYY-MM-DD</p> <p>If this field is passed in the request, the API returns all unique and generic rewards that are modified, newly issued, and redeemed since the time stamp</p>
StartRow	Optional	Starting position of rewards returned
PageRows	Optional	Number of rewards returned
Country code	Mandatory	Country code for the designated webstore

1.63.3 EXAMPLE REQUEST

GET

<https://retailapi.apparel21.com/Vouchers/VouchersSimple?countryCode=AU&updatedAfter=2020-12-01T11:33:07>

Content-type: text/xml

Accept:version_4.0

1.63.4 SUCCESS RESPONSE

HTTP Response		
200		

1.63.5 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
403	5247	Unauthorised request from warehouse

1.63.6 EXAMPLE RESPONSE

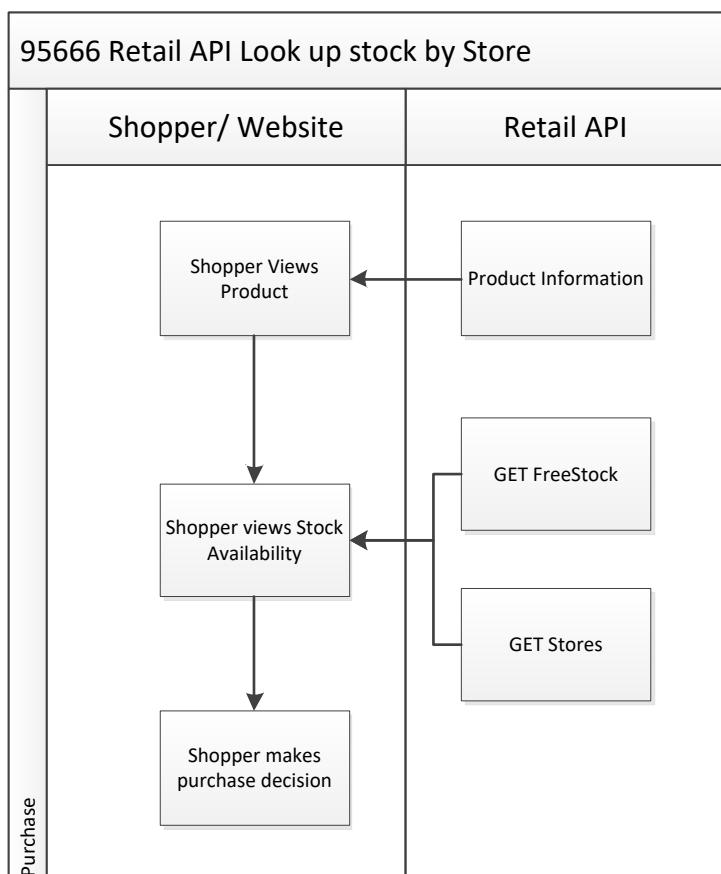
```
<Vouchers>
  <VoucherNumber>1000030</VoucherNumber>
  <ExpiryDate>2024-03-17</ExpiryDate>
  <OriginalAmount>90</OriginalAmount>
  <UsedAmount>80</UsedAmount>
  <AvailableAmount>10</AvailableAmount>
  <Pin>GCVa8FqFV92/7SufKcesBQ==</Pin>
</Vouchers>
```

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

1.64 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" Skuldx="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
	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
	<i>Notes</i> 1 - if Style requested 2 - if Style requested for product that has style / clr / sku 3 – if Style or colour requested						

1.65 RETRIEVE FREESTOCK DETAILS

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

1.65.1 URI REQUEST FORMATS

```
/Freestock/style/{styleid}?countryCode={countryCode}  
/Freestock/clr/{clr}?countryCode={countryCode}  
/Freestock/sku/{skuid}?countryCode={countryCode}
```

1.65.2 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

1.65.3 EXAMPLE REQUEST BY STYLE

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

Content-type: text/xml

Accept:version_2.0

1.65.4 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>

```

1.65.5 EXAMPLE REQUEST BY CLR

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

Content-type: text/xml
Accept:version_2.0

1.65.6 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" />
    <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>

```

1.65.7 EXAMPLE REQUEST BY SKU

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

Content-type: text/xml
Accept:version_2.0

1.65.8 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>

```

1.65.9 SUCCESS RESPONSE

HTTP Response		
200		

1.65.10 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

1.66 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.

1.66.1 URI REQUEST FORMATS

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

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

1.66.2 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

1.66.3 EXAMPLE REQUEST

GET <https://retailapi.apparel21.com/Freestock/AllStyles?countryCode=AU&startRow=1&pageRows=50>

Content-type: text/xml

Accept:version_2.0

1.66.4 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" />
        <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>
```

1.66.5 SUCCESS RESPONSE

HTTP Response		
200		

1.66.6 ERROR RESPONSE

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

19 STOCK CHANGES

The *Stock Changed* 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 *SKU*. To get details of the products, use the resource [Products](#).

1.67 STOCK CHANGED

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	

1.68 RETRIEVE STOCK CHANGED

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

1.68.1 URI REQUEST FORMATS

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

1.68.2 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

1.68.3 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

1.68.4 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>
```

1.68.5 SUCCESS RESPONSE

HTTP Response		
200		

1.68.6 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).

1.69 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	100	Yes	1.0

			Eg: For every 100 points issue \$10 reward			
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