

Touchretail API Documentation (TRRSServices)

Version: v1.3. (11th November 2013)

Services available

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Allows sales/refund information to be sent to update Rapidstock
2. Getbranchstock – page 7
Returns a list of stock available at each branch for a simple sku or a list of simple sku's
3. Getlinkedproduct – page 12
Returns all configurable sku's linked to a given configurable sku or a list of configurable sku's
4. GetStockUpdated – page 16
Returns the stock quantity of all products where a change in stock has taken place
5. GetProductsUpdated – page 21
Returns the New Product and changed product information

Sendsales

Sales, refunds, cancelations etc can be sent to the touchretail stock system via this service

URL

<http://{Server URL}/{Customer-specific-address}/service.svc/sendsales> (POST)

Touchretail will provide the following to enable use of the API

1. Server URL and Customer specific address
2. Username
3. Password
4. service (required in case customer has 2 or more Touchretail systems)

Note - all values should be positive, the type will determine a sale/return or Cancelled item

Message Structure

| Parameter | Data Type | Example Data | Notes |
|--------------------|-----------|------------------|---|
| Service | String | fashionmens | Supplied by Touchretail - Compulsory |
| username | String | fashion | Supplied by Touchretail - Compulsory |
| Password | String | XsDfgh!ww\$ | Supplied by Touchretail - Compulsory |
| saletype | String | S | The type of the sale line - Compulsory S=Sale R=Return C=Cancelled |
| SKU | String | 501040212022013 | The SKU of the product variant - Compulsory |
| orderno | String | 1234 | Web site order number - Compulsory |
| orderlineno | String | 1 | Web order line number - Compulsory |
| orderdate | String | 31/01/2013 12:36 | Date the order was created (defaults to today's date if not included) |

| | | | |
|-------------------------|---------|-----------------|--|
| lineqty | Integer | 2 | Total number of Items on the order line – Compulsory (Must be greater than zero) |
| originalprice | Double | 12.99 | Base Price of the item on the web site (Unit Price) - Optional |
| lineitemprice | Double | 21.98 | The Total Value of the order line, including VAT - Compulsory |
| lineitemvat | Double | 3.66 | The Total Vat content of the order line - Compulsory |
| lineitemdiscount | Double | 4.00 | The Total Value of discount given on the order line |
| firstname | String | Fred | |
| lastname | String | Bloggs | |
| deliveryaddress1 | String | The Black Horse | |
| deliveryaddress2 | String | 4 Tape Street | |
| deliverycity | String | Cheadle | |
| deliverycounty | String | Staffordshire | |
| deliverycountry | String | United Kingdom | |

| | | | |
|----------------------------|---------|------------------------|---|
| Deliverypostcode | String | ST10 1BD | |
| deliverycountrycode | String | GB | |
| email | String | info@touchretail.co.uk | |
| stockbranch | integer | 2 | Branch where Stock should be taken from to fulfil the sale (optional) – defaults to Web branch set up in Rapidstock if zero |

```
{
  "service": "fashionmens",
  "username": "fashion",
  "password": "XsDfgh!ww$",
  "saletype": "S",
  "sku": "1501040212022013",
  "orderno": "1234\\"",
  "orderlineno": "1",
  "orderdate": "31/01/2013 12:36",
  "lineqty": 2,
  "originalprice": 12.99,
  "lineitemprice": 10.99,
  "lineitemvat": 1.83,
  "lineitemdiscount": 2.0,
  "firstname": "Alan",
  "lastname": "Jones",
  "deliveryaddress1": "1 Coleridge Drive",
  "deliveryaddress2": "",
  "deliverycity": "Cheadle",
  "deliverycounty": " Staffordshire",
  "deliverycountry": "UK",
  "deliverypostcode": "ST10 1XA",
  "deliverycountrycode": "GB",
  "email": "info@touchretail.co.uk"
  "stockbranch": 2
}
```

Return Message Structure

| Parameter | Data Type | Example Data | Notes |
|---------------------|-----------|--------------------|--|
| success | Boolean | True | True if order line received successfully False if not |
| errormessage | String | Incorrect Username | Message indicating reason for failure |

Eg

```
{  
  "success":false,  
  "errormessage":"Login Failed"  
}
```

Getbranchstock

Stock available at each of the branches is returned for any simple sku or list of simple sku's passed

URL

<http://{Server URL}/{Customer-specific-address}/service.svc/getbranchstock> (GET)

Touchretail will provide the following to enable use of the API

1. Server URL and Customer specific address
2. Username
3. Password
4. service (required in case customer has 2 or more Touchretail systems)

Message Structure

| Parameter | Data Type | Example Data | Notes |
|-----------------|-----------|---------------------------------|---|
| sku | String | 800140304022013,800140404022013 | List of Simple SKU's you require branch stock for |
| service | String | mystockservice | Supplied by Touchretail – Compulsory |
| username | String | mensfashion | Supplied by Touchretail - Compulsory |
| Password | String | XsDfgh!ww\$ | Supplied by Touchretail - Compulsory |

Example

```
{  
  "sku": "800140304022013,800140404022013",  
  "service": "mystockservice",  
  "username": "mensfashion",  
  "password": "XsDfgh!ww$",  
}
```


Return Message Structure (successful)

Returns a list of SKU

| SKU | Data Type | Example Data | Notes |
|--------------------|-----------|-----------------|------------------------|
| Sku | String | 800140304022013 | Sku for queried simple |
| branchstock | List | | An List of Branchstock |

| Branchstock | Data Type | Example Data | Notes |
|----------------------|-----------|--------------|-------------------------------|
| Branch_number | integer | 1 | Branch number |
| Branch_stock | integer | 3 | Stock available in the branch |

example

```
[ {
  "sku": "800140304022013",
  "branchstock": [ {
    "branch_number": 1,
    "branch_stock": 0
  },
  {
    "branch_number": 2,
    "branch_stock": 1
  },
  {
    "branch_number": 3,
    "branch_stock": 1
  } ] },
  {
    "sku": "800140404022013",
    "branchstock": [
      {
        "branch_number": 1,
        "branch_stock": 0
      },
      {
        "branch_number": 2,
        "branch_stock": 1
      },
      {
        "branch_number": 3,
        "branch_stock": 0
      } ] ] }
```

Return Message Structure (Failure)

| Parameter | Data Type | Example Data | Notes |
|---------------------|-----------|--------------------|--|
| success | Boolean | True | True if order line received successfully False if not |
| errormessage | String | Incorrect Username | Message indicating reason for failure |

Eg

```
{  
  "success":false,  
  "errormessage":"Login Failed"  
}
```

Linked Products

Returns the related variant sku's for a given master sku or a list of master sku's. It will also return all sku links if the sku value passed is set to 'ALL' (This does take some time and returns a lot of data)

URL

<http://{Server URL}/{Customer-specific-address}/service.svc/getlinkedproduct> (GET)

Touchretail will provide the following to enable use of the API

1. Server URL and Customer specific address
2. Username
3. Password
4. service (required in case customer has 2 or more Touchretail systems)

Message Structure

| Parameter | Data Type | Example Data | Notes |
|-----------------|-----------|----------------|--------------------------------------|
| SKU | String | 8001404022013 | List of configurable SKU's |
| service | String | mystockservice | Supplied by Touchretail - Compulsory |
| username | String | mensfashion | Supplied by Touchretail - Compulsory |
| Password | String | XsDfgh!ww\$ | Supplied by Touchretail - Compulsory |

Example

```
{  
  "sku": "8001404022013,8001504022013",  
  "service": "mystockservice",  
  "username": "mensfashion",  
  "password": "XsDfgh!ww$",  
}
```

Return Message Structure (successful)

Returns a list of Masterrecord

| Masterrecord | Data Type | Example Data | Notes |
|---------------------|-----------|--------------|---|
| masterrecord | String | 70375 | Record Number for queried simple |
| sku | List | | An List of childskus including the SKU's for the master |

| childskus | Data Type | Example Data | Notes |
|------------------|-----------|---------------|--------------------------|
| sku | String | 7037511062013 | Related configurable sku |

```
[{ "masterrecord": "70375",  
  "Childskus":  
    [{"sku": "7037511062013 "},  
     {"sku": "7044511062013 "}]  
},  
{ "masterrecord": "70446",  
  "Childskus":  
    [{"sku": "7044611062013 " }]  
}]
```

Return Message Structure (Failure)

| Parameter | Data Type | Example Data | Notes |
|---------------------|-----------|--------------------|--|
| success | Boolean | True | True if order line received successfully False if not |
| errormessage | String | Incorrect Username | Message indicating reason for failure |

Eg

```
{  
  "success":false,  
  "errormessage":"Login Failed"  
}
```

Stock Updates

Returns either all stock for all records or the stock for records which have changed since the last request

URL

<http://{Server URL}/{Customer-specific-address}/service.svc/getstockupdates> (GET)

Touchretail will provide the following to enable use of the API

1. Server URL and Customer specific address
2. Username
3. Password
4. service (required in case customer has 2 or more Touchretail systems)

Message Structure

| Parameter | Data Type | Example Data | Notes |
|-----------------|-----------|----------------|---|
| service | String | mystockservice | Supplied by Touchretail - Compulsory |
| username | String | mensfashion | Supplied by Touchretail - Compulsory |
| password | String | XsDfgh!ww\$ | Supplied by Touchretail - Compulsory |
| allstock | Boolean | False | Optional - True to return all stock for all products |
| fromdate | String | 2013-01-27 | Optional - Date from which you want all stock changes (inc) |

Example

```
{  
  "service": "mystockservice",  
  "username": "mensfashion",  
  "password": "XsDfgh!ww$",  
}
```

Return Message Structure (successful)

Returns a list of MasterSku

| MasterSku | Data Type | Example Data | Notes |
|---------------------|-----------|---------------|-------------------------|
| mastersku | String | 5061103112013 | Skus for queried simple |
| variantstock | List | | An List of variantstock |

| variantstock | Data Type | Example Data | Notes |
|--------------|-----------|-----------------|-------------|
| sku | String | 506110203112013 | Variant SKU |
| qty | Integer | 1 | |

Example

```
[ {  
  "mastersku": "5061103112013",  
  "variantstock":  
    [ { "sku": "506110203112013", "qty": 0 },  
      { "sku": "506110303112013", "qty": 1 },  
      { "sku": "506110403112013", "qty": 0 },  
      { "sku": "506110503112013", "qty": 1 },  
      { "sku": "506110603112013", "qty": 1 },  
      { "sku": "506110703112013", "qty": 0 },  
      { "sku": "506110803112013", "qty": 0 },  
      { "sku": "506110903112013", "qty": 1 },  
      { "sku": "506111003112013", "qty": 0 },  
      { "sku": "506111103112013", "qty": 0 },  
      { "sku": "506111203112013", "qty": 0 },  
      { "sku": "506111303112013", "qty": 0 },  
      { "sku": "506111403112013", "qty": 0 } ]  
}]
```

Return Message Structure (Failure)

| Parameter | Data Type | Example Data | Notes |
|---------------------|-----------|--------------------|--|
| success | Boolean | True | True if order line received successfully False if not |
| errormessage | String | Incorrect Username | Message indicating reason for failure |

Eg

```
{  
  "success":false,  
  "errormessage":"Login Failed"  
}
```

Product Updates

Returns either all details for all records or Details for records which have changed since the last request

The names of the properties returned are completely configurable and can be specified by the developer and mapped to any field within Rapidstock

URL

<http://{server URL}/{Customer-specific-address}/service.svc/getproductupdates> (GET)

Touchretail will provide the following to enable use of the API

1. Server URL and Customer specific address
2. Username
3. Password
4. service (required in case customer has 2 or more Touchretail systems)

Message Structure

| Parameter | Data Type | Example Data | Notes |
|--------------------|-----------|----------------|---|
| service | String | mystockservice | Supplied by Touchretail - Compulsory |
| username | String | mensfashion | Supplied by Touchretail - Compulsory |
| password | String | XsDfgh!ww\$ | Supplied by Touchretail - Compulsory |
| allproducts | Boolean | True | Optional - True to return all details for all products This can take some time, depending on how many records a customer has specified as web products |
| Fromdate | String | 2013-01-27 | Optional - The date from which you require all changes to be sent (inc) |

Example

```
{  
  "service": "mystockservice",  
  "username": "mensfashion",  
  "password": "XsDfgh!ww$",  
}
```

Return Message Structure (successful)

Returns a list of Product

| Product | Data Type | Example Data | Notes |
|-----------|-----------|---------------|---|
| sku | String | 5864618022013 | Master Product SKU |
| name | String | BLOUSON KHAKI | |
| createdOn | Date | 2013-04-29 | Format yyyy-MM-dd Where yyyy = year, MM = Month and dd = day |
| type | string | Shirt | Mapped to a Rapidstock UDF and can be used to categorize products |
| prices | Price[] | List of Price | |

| | | | |
|--------------|---------------|----------------------|--|
| descriptions | Description[] | List of Descriptions | |
| properties | Property[] | List of Property's | |
| variants | Variant[] | List of Variants | |

| Price | Data Type | Example Data | Notes |
|--------------|------------------|---------------------|-----------------------------------|
| Rrp | Decimal | 5.99 | Recommended Retail Price |
| retailprice | Decimal | 85.00 | Current Retail Price |
| vatRate | Decimal | 20 | Vat Rate % |
| countrycode | String | GBP | Always GBP, put in for future use |

| Description | Data Type | Example Data | Notes |
|------------------|-----------|--|-------|
| Strapline | String | Polo Ralph Lauren Blue & White Stripe Custom Fit Regent Poplin Dress Shirt | |
| shortDescription | String | Polo Ralph | |
| longDescription | String | A lovely custom fit dress shirt featuring Blue & White stripes. | |

| Property | Data Type | Example Data | Notes |
|----------|-----------|--------------|--|
| key | String | Colour | Keys can be specified by the developer interfacing to the system Touchretail can expose any data held in Rapidstock with whatever key name the developer requires. Key 'Size' is always included. |
| Value | String | Blue | |

| Variant | Data Type | Example Data | Notes |
|----------------|------------------|---------------------|--------------|
| productSku | String | 5864618022013 | |
| variantSku | String | 586460218022013 | |
| name | String | Striped XXL Blue | |
| prices | Price[] | List of Price | |
| descriptions | Description[] | List of Description | |
| properties | Property[] | List of Property | |

Example

```
[{"Sku": "5864618022013 ",
  "name": "BLOUSON KHAKI",
  "createdOn": "2013-02-18",
  "type": "Default",
  "prices":
    [{"RRP": 0.00,
      "retailprice": 170.00,
      "vatRate": 20.0,
      "countrycode": "GBP"}],
  "descriptions":
    [{"strapline": "BLOUSON KHAKI",
      "shortDescription": "BLOUSON KHAKI",
      "longDescription": "BLOUSON KHAKI"}],
  "properties":
    [{"key": "Brand",
      "value": "RALPH LAUREN"}],
  "Variants":
    [{"productSku": "5864618022013 ",
      "variantSku": "5864602180220",
      "name": "BLOUSON KHAKI SML",
      "prices":
        [{"RRP": 0.00,
          "retailprice": 170.00,
          "vatRate": 20.0,
          "countrycode": "GBP"}],
      "descriptions":
        [{"strapline": "BLOUSON KHAKI",
          "shortDescription": "BLOUSON KHAKI",
          "longDescription": "BLOUSON KHAKI"}],
      "properties":
        [{"key": "Size",
          "value": "SML"},
          {"key": "MRP",
          "value": "0.00"},
          {"key": "colour",
```

```
        "value":"Red "},
        {"key":"BuyPrice",
         "value":" 56.69"},
        {"key":"StockQty",
         "value":"0"}]},
{"productSku":"5864618022013 ",
 "variantSku":"5864602180220",
 "name":"BLOUSON KHAKI MED",
 "prices":
  [{"RRP":0.00,
   "retailprice":170.00,
   "vatRate":20.0,
   "countrycode":"GBP"}],
 "descriptions":
  [{"strapline":"BLOUSON KHAKI",
   "shortDescription":"BLOUSON KHAKI",
   "longDescription":"BLOUSON KHAKI"}]},
 "properties":
  [{"key":"Size",
   "value":"MED"},
   {"key":"MRP",
    "value":" 0.00"},
   {"key":"colour",
    "value":"Red "},
   {"key":"BuyPrice",
    "value":" 56.69"},
   {"key":"StockQty",
    "value":"3"}]},
{"productSku":"5864618022013 ",
 "variantSku":"5864603180220",
 "name":"BLOUSON KHAKI LAR",
 "prices":
  [{"RRP":0.00,
   "retailprice":170.00,
   "vatRate":20.0,
   "countrycode":"GBP"}],
```

```
"descriptions":
  [{"strapline":"BLOUSON KHAKI",
   "shortDescription":"BLOUSON KHAKI",
   "longDescription":"BLOUSON KHAKI"}],
"properties":
  [{"key":"Size",
   "value":"LAR"},
   {"key":"MRP",
   "value":" 0.00"},
   {"key":"colour",
   "value":"Green "},
   {"key":"BuyPrice",
   "value":" 56.69"},
   {"key":"StockQty",
   "value":"4"}],
{"productSku":"5864618022013 ",
 "variantSku":"5864604180220",
 "name":"BLOUSON KHAKI X.L",
 "prices":
  [{"RRP":0.00,
   "retailprice":170.00,
   "vatRate":20.0,
   "countrycode":"GBP"}],
"descriptions":
  [{"strapline":"BLOUSON KHAKI",
   "shortDescription":"BLOUSON KHAKI",
   "longDescription":"BLOUSON KHAKI"}],
"properties":
  [{"key":"Size",
   "value":"X.L"},
   {"key":"MRP",
   "value":" 0.00"},
   {"key":"colour","Green",
   "value":""},
   {"key":"BuyPrice",
   "value":" 56.69"},
```

```
        {"key":"StockQty",
         "value":"0"}},
{"productSku":"5864618022013 ",
 "variantSku":"5864605180220",
 "name":"BLOUSON KHAKI XXL",
 "prices":
  [{"RRP":0.00,
   "retailprice":170.00,
   "vatRate":20.0,
   "countrycode":"GBP"}],
 "descriptions":
  [{"strapline":"BLOUSON KHAKI",
   "shortDescription":"BLOUSON KHAKI",
   "longDescription":"BLOUSON KHAKI"}],
 "properties":
  [{"key":"Size",
   "value":"XXL"},
   {"key":"MRP", "value":" 0.00"},
   {"key":"colour", "value":""},
   {"key":"BuyPrice",
    "value":" 56.69"},
   {"key":"StockQty",
    "value":"1"}]
}
```

```
}}
```

Return Message Structure (Failure)

| Parameter | Data Type | Example Data | Notes |
|---------------------|-----------|--------------------|--|
| success | Boolean | True | True if order line received successfully False if not |
| errormessage | String | Incorrect Username | Message indicating reason for failure |

Eg

```
{  
  "success":false,  
  "errormessage":"Login Failed"  
}
```