

Rs-Accounts RsLink
Web Service Link to Rs-Accounts
David Skelton : Software Developer



RsLink API Document

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Brief Overview

RsLink is a Web Service used to send and receive data to and from Rs-Accounts. The Web Service can be used to

- Request a full Stock Inventory.
- Request a full Simple Promotion Inventory.
- Query a product's current stock level.
- Send completed transaction information to Rs-Accounts.

Requirements

Rs-Accounts Back Office Software
RsLink V15.1.29 (from Retail Solutions)
IP Receipt Printer [Optional]
A Test App/ VB.net Developers kit for RsLink is available upon request.

Linking to Web Service

Once IIS and the RsLink Web Service has been Installed on the Retail Solutions Back Office PC, add a web reference of <http://<Store IP Address>/rslink/weborder.asmx>.

The following functions will be available

- [CancelTransaction](#)
- [CommitTransaction](#)
- [StartTransaction](#)
- [WriteLines](#)
- [getProductFile](#)
- [getSimplePromotions](#)
- [getStockBalance](#)

Requesting Data

Request Full Product File <getProductFile>

Parameter: SinceLastExport (Boolean). If True then only products updated since the last export will be included, if False then all web enabled products will be returned.

Returns :

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```
<string><?xml version="1.0" encoding="utf-16"?>
<webProducts>
  <Product>
    <Barcode>8032937583105</Barcode>
    <Description>POGGIO AI GINEPRI ROSSO</Description>
    <RetailPrice>19.990</RetailPrice>
    <StockLevel>-10</StockLevel>
    <Department>WINES</Department>
    <Image />
    <ProductNotes />
    <Retail1>19.990</Retail1>
    <Retail2>13.950</Retail2>
    <Retail3>13.690</Retail3>
    <Retail4>14.450</Retail4>
    <Retail5>13.650</Retail5>
    <Retail6>17.490</Retail6>
    <Retail7>0.000</Retail7>
    <Retail8>0.000</Retail8>
    <Retail9>0.000</Retail9>
    <Retail10>0.000</Retail10>
  </Product>
</webProducts>
</string>
```

Notes: Image Tag Includes the Binary String representation of the image, if attached to a product.

Request Full Simple Promotion File <getSimplePromotions>

Returns:

```
<SimplePromotions>
  <SimplePromotion>
    <Barcode>5016325763631</Barcode>
    <ProductDescription>CARLSBERG 500ML CAN 24PK</ProductDescription>
    <PromotionDescription>ONE WEEK ONLY</PromotionDescription>
    <PriceToSellAt>24.00</PriceToSellAt>
    <StartDate>24/10/2011</StartDate>
    <EndDate>30/10/2011</EndDate>
  </SimplePromotion>
</SimplePromotions>
</string>
```

Request Current Stock Balance for a Product <getStockBalance>

Parameter(s) Required : Barcode (As String)

Returns:

```
<StockBalance>
  <Product>
    <Barcode>54491472</Barcode>
    <StockLevel>0.000000</StockLevel>
  </Product>
</StockBalance>
</string>
```

Sending a Completed Transaction to Rs-Accounts

- To send a Completed transaction to Rs-Accounts –
- A Transaction ID must be obtained <StartTransaction>
 - Then the Transaction Lines can be sent <WriteLines>

- And finally, the Transaction Details can be
- Completed <CommitTransaction> OR Cancelled <CancelTransaction>
 - Printed <PrintSlip>

<StartTransaction>

Parameters:

SaleTotal (Double)
SalesReference (String)
Name (String)
Address1, Address2, Address3, Address4, Address5 (String)
Phone (String)
EmailAddress (String).
Confirmation (String)

Returns: TransactionID (String)

Note: SaleTotal = Completed Sales Total, compulsory, cannot be 0.
SalesReference = WebSite Sales Ref, can be ""
Name = Full Name of Customer, used for Shipping
Address 1 to 5 = Address for Shipping. **At least one Address field must be populated.**
Phone = Customer Phone Number. Can be blank.
Email = Customer Email Address. Can be blank.
Confirmation can be blank.

<WriteLines>

Parameters : TransactionID (as String), Barcode (as String), Qty (as Long), UnitPrice (as Double)

Returns: Boolean True (on Successful Write) or False (if Write Unsuccessful)

Notes: TransactionID = ID returned by <StartTransaction>.
Barcode = Product Barcode/EAN Code.
Qty = Quantity of this product purchased.
UnitPrice = Selling Price of One Product
Once a True response has been obtained, another Transaction Line can be written, or the Transaction can be finalised/cancelled.

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<CommitTransaction>

Parameters: TransactionID (as String)

Returns: Boolean True (on Successful Completion) or False (if Completion Unsuccessful)

Notes: Once a True response has been obtained, the Transaction is complete. The Pick List for the order will be sent to an IP Receipt Printer if set up.

<CancelTransaction>

Parameters: TransactionID (as String)

Returns: Boolean - True(on Successful Cancellation) or False (if Cancellation Unsuccessful)

Notes: Once a True response has been obtained, the Cancellation is complete. A record will remain in Rs-Accounts to show the cancellation.

<PrintSlip>

Parameters: TransactionID (as String)

Returns: Boolean - True(if Printed Successfully) or False (if not)

Notes: A Picking Slip can be printed on an IP receipt printer on site by calling this function and passing the transaction ID. The slip can only be printed if the transaction has been completed.

<getCustomers>

Parameters: SinceLastUpdate (Boolean) (False Will Return all customer, True returns changes since last export)

Returns: XML

```
<string><?xml version="1.0" encoding="utf-16"?>
<Customers>
  <Customer>
    <Code>022</Code>
    <Name>JOE BLOGGS</Name>
    <PriceLevel>3</PriceLevel>
    <CreditLimit>8000</CreditLimit>
    <AllowCredit>Y</AllowCredit>
  </Customer>
</Customers>
</string>
```

<updateCustomerStatus>

Parameters: CustomerCode as String, Status as String

Status must be "N" to disallow charge to account or "Z" to Disable account

Returns: Boolean (True/False)