

Web Service Definitions

Overview

ConnectIt Professional uses several web services to facilitate the communication between the online enquiry / order portal ecommerce website and the back office solution. This document defines the name, parameters and expected return content for the web services.

We recognise that every business and website is different. The web service definition expected return content specified in this document are guidelines only – the **ConnectIt Professional** configuration allows for significant flexibility in the actual information that is returned from the website. We would expect to work with the client and web service development team to understand what information is available, what information is important and what information should be transferred as part of the ConnectIt Professional function.

Return content should be in .net dataset or XML format.

While the actual content of the .net dataset or XML file may vary, the web services themselves must adhere to the following naming conventions and the parameters as defined in the sections below.

The names for the web services required for .net are as follows:

- **GetOrderSummary** – populates the user interface grid with enquiry / order information
- **GetOrderDetail** – used to transfer the enquiry / order header information
- **GetOrderItemDetail** – used to transfer the enquiry / order line item information
- **UpdateOrderAsDownloaded** – used to flag to the website that the enquiry / order has been downloaded
- **UpdateProductDetails** – used to transfer product and stock information to the website

These are named as follows for PHP or Magento integration:

ASP.net	PHP	Magento
GetOrderSummary	get_order_summary.php	get_order_summary.php
GetOrderDetail	get_order_detail.php	get_order_detail.php
GetOrderItemDetail	get_order_item_detail.php	get_order_item_detail.php
UpdateOrderAsDownloaded	update_order.php	update_order.php
UpdateProductDetails	update_product.php	update_product.php

The appendices at the end of this document note any back end-specific requirements or restrictions (such as field widths) on what information can be transferred.

If you have any questions regarding what is / is not possible, then please contact your **ConnectIt Professional** reseller, email support@connectit-software.co.uk or give us a call on 0844 357 7360 / +44(0) 344 357 7360.

Web Services which take information from the website database

GetOrderSummary

The **GetOrderSummary** web service is used to populate the grid which the user sees on the main screen of **ConnectIt Professional**. From this screen, the user is then able to select which order(s) they would like to download and then transfer the information into the back office solution.

Typically, the **GetOrderSummary** web service would include top line information such as the Order Reference, Order Date, Customer Name, number of items on the order, total value of the order and whether the order has already been downloaded.

Parameters

ASP.net	PHP	Magento	Data Type
Username	user	user	String
Password	pass	pass	String
FromDate	from_date	from_date	Date
ToDate	to_date	to_date	Date
Downloaded	download	download	Boolean

Typical Returns

Field	Data Type
OrderID	Unique identifier
OrderReference	String
OrderDate	Date
AccountNumber	String
CompanyName	String
ContactTitle	String
ContactFirst	String
ContactLast	String
Address1	String
Address2	String
Town	String
County	String
Postcode	String
Country	String
Telephone	String
NumberOfItems	Number (integer)
OrderValue	Number (decimal)
Downloaded	Boolean

Example XML Return

```
<?xmlversion="1.0"encoding="utf-8"?>
<Order>
  <OrderSummary>
    <OrderID>1</OrderID>
    <OrderReference>ORD000001</OrderReference>
    <OrderDate>2009-07-08</OrderDate>
    <AccountNumber>ACC00001</AccountNumber>
    <CompanyName>Customer A</CompanyName>
    <ContactTitle>Miss</ContactTitle>
    <ContactFirst>Ann</ContactFirst>
    <ContactLast>Other</ContactLast>
    <Address1></Address1>
    <Address2></Address2>
```



```
<Town></Town>
<County></County>
<Postcode></Postcode>
<Country></Country>
<Telephone>01234 567890</Telephone>
<NumberOfItems>2</NumberOfItems>
<OrderValue>200</OrderValue>
<Downloaded>>false</Downloaded>
</OrderSummary>
<OrderSummary>
  <OrderID>2</OrderID>
  <OrderReference>ORD000002</OrderReference>
  <OrderDate>2009-07-08</OrderDate>
  <AccountNumber>ACC00002</AccountNumber>
  <CompanyName>Customer B</CompanyName>
  <ContactTitle>Mr</ContactTitle>
  <ContactFirst>Someone</ContactFirst>
  <ContactLast>Else</ContactLast>
  <Address1></Address1>
  <Address2></Address2>
  <Town></Town>
  <County></County>
  <Postcode></Postcode>
  <Country></Country>
  <Telephone>09876 543210</Telephone>
  <NumberOfItems>3</NumberOfItems>
  <OrderValue>300</OrderValue>
  <Downloaded>>false</Downloaded>
</OrderSummary>
</Order>
```



GetOrderDetail

The **GetOrderDetail** web service is the first of two web services used to transfer enquiry / order information into the back office solution.

Typically, the **GetOrderDetail** web service would include all the necessary top line information such as the Order Reference, Order Date, Customer Name, address and contact details.

Parameters

ASP.net	PHP	Magento	Data Type
Username	user	user	String
Password	pass	pass	String
OrderID	oid	oid	Unique identifier

Typical Returns

Field	Data Type
OrderReference	String
OrderDate	Date
AccountNumber	String
CompanyName	String
ContactTitle	String
ContactFirst	String
ContactLast	String
Address1	String
Address2	String
Town	String
County	String
Postcode	String
Country	String
Telephone	String
Fax	String
Email	String
ShipToContactTitle	String
ShipToContactFirst	String
ShipToContactLast	String
ShipToAddress1	String
ShipToAddress2	String
ShipToTown	String
ShipToCounty	String
ShipToPostcode	String
ShipToCountry	String
ShipToTelephone	String
ShipToFax	String
ShipToEmail	String
CCNumber	String
CCName	String
CCEpiry	String
CCApprovalCode	String

Example XML Return

```
<?xmlversion="1.0"encoding="utf-8"?>
<Order>
  <OrderDetail>
    <OrderReference>ORD000001</OrderReference>
    <OrderDate>2009-07-08</OrderDate>
    <AccountNumber>ACC00001</AccountNumber>
    <CompanyName>Customer A</CompanyName>
```



```
<ContactTitle>Miss</ContactTitle>
<ContactFirst>Ann</ContactFirst>
<ContactLast>Other</ContactLast>
<Address1></Address1>
<Address2></Address2>
<Town></Town>
<County></County>
<Postcode></Postcode>
<Country></Country>
<Telephone>01234 567890</Telephone>
<Fax>01234 567891</Fax>
<Email>ann.other@companya.com</Telephone>
<ShipToContactTitle>Miss</ShipToContactTitle>
<ShipToContactFirst>Ann</ShipToContactFirst>
<ShipToContactLast>Other</ShipToContactLast>
<ShipToAddress1></ShipToAddress1>
<ShipToAddress2></ShipToAddress2>
<ShipToTown></ShipToTown>
<ShipToCounty></ShipToCounty>
<ShipToPostcode></ShipToPostcode>
<ShipToCountry></ShipToCountry>
<ShipToTelephone>01234 567890</ShipToTelephone>
<ShipToFax>01234 567891</ShipToFax>
<ShipToEmail>ann.other@companya.com</ShipToTelephone>
<CCNumber>0000000000000000</CCNumber>
<CCName>Miss Ann Other</CCName>
<CCEpiry>05/12</CCEpiry>
<CCApprovalCode>000</CCApprovalCode>
</OrderDetail>
</Order>
```



GetOrderItemDetail

The **GetOrderItemDetail** web service is the second of two web services used to transfer enquiry / order information into the back office solution.

Typically, the **GetOrderItemDetail** web service would include all the necessary product (or service) information that the website visitor has enquired about (or ordered) such as the Product Code, Description, Price and Quantity.

Parameters

ASP.net	PHP	Magento	Data Type
Username	user	user	String
Password	pass	pass	String
OrderID	oid	oid	Unique identifier

Typical Returns

Field	Data Type
ID	Unique identifier
Code	String
Description	String
Cost	Number (decimal)
Price	Number (decimal)
Quantity	Number (decimal)
Taxable	Boolean

Example XML Return

```
<?xmlversion="1.0"encoding="utf-8"?>
<Order>
  <OrderItemDetail>
    <ID>1</ID>
    <Code>PROD0001</Code>
    <Description>Product 1</Description>
    <Cost>7</Cost>
    <Price>10</Price>
    <Quantity>10</Quantity>
    <Taxable>true</Taxable>
  </OrderItemDetail>
  <OrderItemDetail>
    <ID>2</ID>
    <Code>PROD0002</Code>
    <Description>Product 2</Description>
    <Cost>15</Cost>
    <Price>20</Price>
    <Quantity>5</Quantity>
    <Taxable>true</Taxable>
  </OrderItemDetail>
</Order>
```



Web Services which write information to the website database

UpdateOrderAsDownloaded

The **UpdateOrderAsDownloaded** web service is called once the order details have been successfully transferred to the back office solution. The web service should mark the specified record in the website database as downloaded.

Parameters

ASP.net	PHP	Magento	Data Type
Username	user	user	String
Password	pass	pass	String
OrderID	oid	oid	Unique identifier

Typical Returns

Field	Data Type
Success	Boolean

UpdateProductDetails

The **UpdateProductDetails** web service is separate to the previous web services which facilitate the download of enquiry / order information from the website. The **UpdateProductDetails** web service is used to update the product information in the website database. This may include adding new, updating existing or deleting old products.

Typically, the **UpdateProductDetails** web service would include information such as the product (or service) Code, Description, Category, Sub Category, Supplier, Picture filename, Price and Stock Quantity.

Parameters

ASP.net	PHP	Magento	Data Type
Username	user	user	String
Password	pass	pass	String
Dataset	XML	XML	Various

Typical Returns

Field	Data Type
Success	Boolean



Appendices

Appendix A – QuoteWerks Typical Data Requirements

Order Information

Field	Data Type	Destination
OrderReference	nvarchar(50)	DocumentHeaders.DocNo
OrderDate	DateTime	DocumentHeaders.DocDate
AccountNumber	nvarchar(50)	DocumentHeaders.SoldToAccountNumber
CompanyName	nvarchar(50)	DocumentHeaders.SoldToCompany
ContactTitle	nvarchar(50)	DocumentHeaders.SoldToTitle
ContactName	nvarchar(40)	DocumentHeaders.SoldToContact
Address1	nvarchar(40)	DocumentHeaders.SoldToAddress1
Address2	nvarchar(40)	DocumentHeaders.SoldToAddress2
Town	nvarchar(31)	DocumentHeaders.SoldToCity
County	nvarchar(21)	DocumentHeaders.SoldToState
Postcode	nvarchar(13)	DocumentHeaders.SoldToPostalCode
Country	nvarchar(50)	DocumentHeaders.SoldToCountry
Telephone	nvarchar(20)	DocumentHeaders.SoldToPhone
Fax	nvarchar(20)	DocumentHeaders.SoldToFax
Email	nvarchar(255)	DocumentHeaders.SoldToEmail

Order Item Information

Field	Data Type	Destination
Code	nvarchar(40)	DocumentItems.ManufacturerPartNumber
Name	nvarchar(255)	DocumentItems.Comment
Description	ntext	DocumentItems.Description
Cost	c	DocumentItems.UnitCost
Price	float	DocumentItems.UnitPrice
Quantity	float	DocumentItems.QtyTotal
Taxable	nvarchar(1)	DocumentItems.TaxCode

Product Information

Field	Data Type	Source
ID	Int	Products.ID
Code	nvarchar(40)	Products.ManufacturerPartNumber
Name	nvarchar(255)	Products.Comment
Description	ntext	Products.Description
SupplierName	nvarchar(50)	Products.Vendor
Cost	float	Products.UnitCost
Price	float	Products.UnitPrice
Taxable	nvarchar(1)	Products.TaxCode
PictureName	nvarchar(255)	Products.PictureFileName
Quantity	float	Products.Availability



Appendix B – Microsoft RMS Typical Data Requirements

Order Information

Field	Data Type	Destination
OrderReference	nvarchar(50)	Transaction.ReferenceNumber
OrderDate	DateTime	Transaction.Time
AccountNumber	nvarchar(20)	Customer.AccountNumber
CompanyName	nvarchar(50)	Customer.Company
ContactTitle	nvarchar(20)	Customer.Title
ContactFirst	nvarchar(30)	Customer.FirstName
ContactLast	nvarchar(30)	Customer.LastName
Address1	nvarchar(50)	Customer.Address
Address2	nvarchar(50)	Customer.Address2
Town	nvarchar(50)	Customer.City
County	nvarchar(20)	Customer.State
Postcode	nvarchar(15)	Customer.Zip
Country	nvarchar(20)	Customer.Country
Telephone	nvarchar(30)	Customer.PhoneNumber
Fax	nvarchar(30)	Customer.FaxNumber
Email	nvarchar(255)	Customer.EmailAddress
TenderID	int	TenderEntry.TenderID
TenderDescription	nvarchar(30)	TenderEntry.[Description]
CCNumber	nvarchar(25)	TenderEntry.CreditCardNumber
CCName	nvarchar(40)	TenderEntry.AccountHolder
CCExpiry	nvarchar(10)	TenderEntry.CreditCardExpiration
CCApprovalCode	nvarchar(20)	TenderEntry.CreditCardApprovalCode

Order Item Information

Field	Data Type	Destination
ID	int	TransactionEntry.ItemID
Code	nvarchar(25)	Product.ItemLookupCode
Name	nvarchar(30)	TransactionEntry.Comment
Description	ntext	TransactionEntry.Comment
Cost	money	TransactionEntry.Cost
Price	money	TransactionEntry.Price
Quantity	float	TransactionEntry.Quantity
Taxable	bit	TransactionEntry.Taxable

Product Information

Field	Data Type	Source
ID	int	Item.ID
Code	nvarchar(25)	Item.ItemLookupCode
Name	nvarchar(30)	Item.[Description]
Description	ntext	Item.ExtendedDescription
CategoryID	int	Item.CategoryID
CategoryCode	nvarchar(17)	Category.Code
CategoryName	nvarchar(30)	Category.Name
DepartmentID	int	Item.DepartmentID
DepartmentCode	nvarchar(17)	Department.Code
DepartmentName	nvarchar(30)	Department.Name
SupplierID	int	Item.SupplierID
SupplierName	nvarchar(30)	Supplier.SupplierName
Cost	money	Item.Cost
Price	money	Item.Price
Taxable	bit	Item.Taxable
PictureName	nvarchar(50)	Item.PictureName
Quantity	float	Item.Quantity



Tender Information (default values)

ID	Name
1	Debit / Credit Card
2	Cash
3	Cheque
4	Voucher
5	On Account
6	Card (Holder not Present)
7	Web Credit Card
9	BACS
10	Amazon

