

Westcon Services Implementation Guide

Purchase Order

Version 2

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Document Revision History			
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1.0		Thomas Young	Draft
1.0.1	2016-06-08	Brad Ross	Format updates, revision history, branding, support team
1.0.2	2016-06-08	Chakravarthy Sayani	Added description for RequestedShipDate at the Order Header level
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1. Overview

Westcon Services are a suite of API's that serve as a direct B2B electronic link between Westcon and its partners, complementing existing website portals and other B2C links. Westcon Services offer a variety of services, including Pricing, Availability, Order Placement (Purchase Order), Order Status and Return Merchandise Authorisation (RMA).

With Westcon Services, partners can seamlessly integrate information such as product pricing, stock availability obtained from Westcon in real-time – into both internal business and customer-facing services such as a shopping cart.

2. Getting Started

Welcome to Westcon Group partner integration! We will assist you along each step and answer questions throughout the process. We understand that each integration project is unique and you will be treated with the utmost attention and expediency.

2.1 Working with Westcon Group

Westcon will assemble a team to manage and implement your integration project.

The Application Integrations Team is available Monday – Friday, from 9:00 am EST to 5:00 pm EST.

For questions or guidance on your implementation, kindly reach out to Brad Ross, (914) 829-7631.

To contact our Support email address –

ITS_B2BSupport@westcon.com

2.2 Special Features

Westcon offers its vendors the feature to store Reserved Stock in our warehouse to help fulfill Sales Orders. The Availability API has been enhanced to allow partners to get detailed visibility on non-standard warehouse locations where this Reserved Stock is stored. The feature is fully integrated with our ERP SAP system.

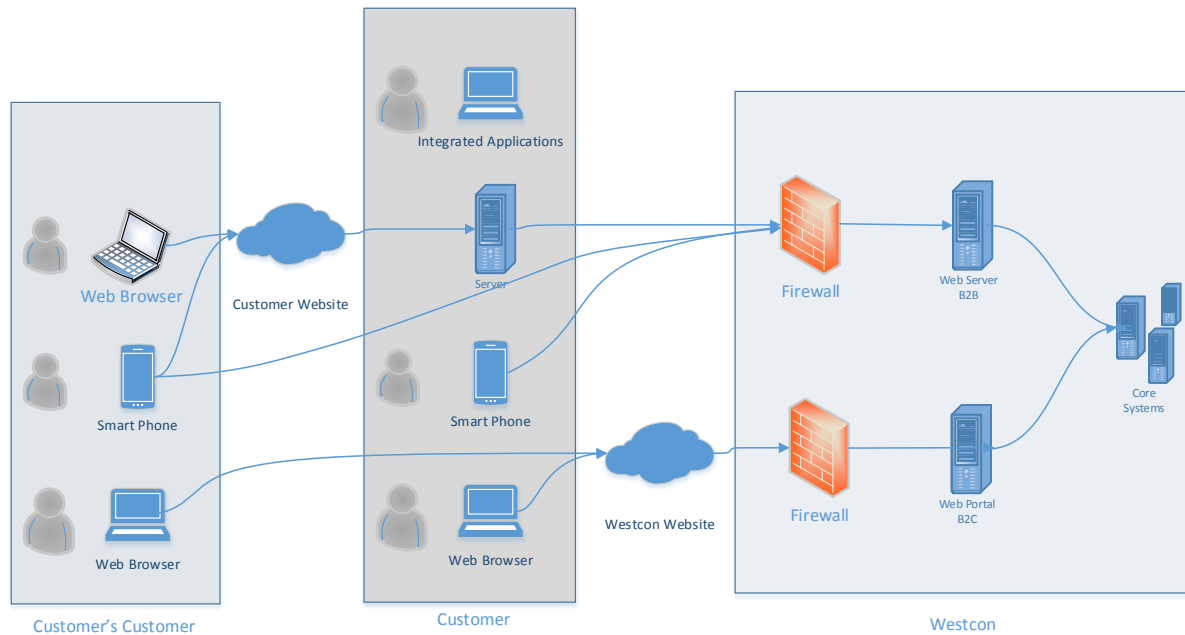
If you are interested in this new feature, kindly reach out to your Business Development Manager and Westcon Procurement.

2.3 Accessing Westcon Group Services

Westcon Services may be accessed via http/https, typically from a customer web server; it could be from anywhere including mobile devices via a customer-provided proxy service.



Westcon Services at a Glance



As a WEB service, the concrete WSDL is provided to the partner. The request and response structure of these operations are described in the associated sections. To address the security requirements, the services, IP Security is implemented and the traffic is over a secure HTTPS transport. Furthermore, there is a Username-Password authentication at message level.

3. PurchaseOrder Service

Service	Operations	Description
PurchaseOrder	submitOrder	Place an order

Environment	Url
Test	https://webservicetest.westcon.com/B2B/WebServices/v2/purchaseorder.svc?wsdl
Production	https://webservices.westcon.com/B2B/WebServices/v2/purchaseorder.svc?wsdl
Service definition	 PurchaseOrder.svc

3.1 Request Schema

Schema Element	Field Type (Length)	Required	Example	Notes
WestconPurchaseOrderRequest				
WestconMetadata		Required		
SourceSystem	string(12)	Required	B2B	INTERNAL USE ONLY
TimeStamp	datetime	Required		INTERNAL USE ONLY
OperationType	string(12)	Required	Create	INTERNAL USE ONLY
Culture	string(4)	Required	2000	INTERNAL USE ONLY
TransactionID	string(32)	Required	IPUR 1.4	INTERNAL USE ONLY
WestconMetadata				
Order				
ConfirmationNumber	string(12)	Required	conf12345	INTERNAL USE ONLY
DeliveryBlock	string(2)	Optional	02	INTERNAL USE ONLY
OrderReason	string(3)	Optional	B2B	INTERNAL USE ONLY
OrderDate	date	Required	2011-03-09	
CustomerPurchaseOrderNumber	string(35)	Required	TestCustomerPONumber	
CustomerLongPONumber	string(70)	Optional	additiontotestponumberforBTonly	
EndUserPurchaseOrderNumber	string(70)	Optional	EUPONumber123	
OrderQuote	String(10)	Optional	2049999999	INTERNAL USE ONLY
OrderType	string(4)	Optional	ZOR	INTERNAL USE ONLY
OrderedBy	string(35)	Optional	Nicole Laciak	INTERNAL USE ONLY
OrderCurrency	string(3)	Optional	USD	
RequestedShipDate	date	Optional	2015-05-09	Allows you to place orders to be delivered at a future date (New in Document Revision 1.0.2)
ContractRefCode	string(3)	Optional	043	
ContractNumber	string(35)	Optional		
FindSAPContractNumber	boolean	Optional	false	
ProjectNumber	string(70)	Optional	ST212424	
ISAID	string(70)	Optional	15293487	
VRFHeaders				
VRFHeader				
VRFFieldName	char(30)	Optional	Quote Number	See the notes section about Vendor Required Fields
VRFValue	char(40)	Optional	502386y20	
VRFHeader				
VRFHeaders				
OrderAttachments				
OrderAttachment				
OrderAttachment	string(70)	Optional	525-323-4545	
OrderAttachment				
OrderAttachments				
InternalOrderAttachments				
InternalOrderAttachment				
InternalOrderAttachment	string(70)	Optional	Notes	INTERNAL USE ONLY
InternalOrderAttachment				
InternalOrderAttachments				
ExternalOrderAttachments				
ExternalOrderAttachment				
ExternalOrderAttachment	string(70)	Optional		
ExternalOrderAttachment				
ExternalOrderAttachments				
ShippingMethod				
ShipComplete	boolean	Optional	true	Set to "true" if you want all items to be shipped together. "false" if you want items to ship when they are available.

CarrierCode	string(10)	Optional	1310	
CarrierAccount	string(70)	Optional	242454524	
ShippingConditionCode	string(2)	Optional	UF	See here for a list of shipping condition codes
DeliveryPriorityCode	string(2)	Optional	X	
BlindShipment	boolean	Optional	false	
ShippingMethod				
DeliveryInstructions				
DeliveryInstruction				
Instruction	string(70)	Optional	Ship as soon as possible	
DeliveryInstruction				
DeliveryInstructions				
CustomerAccount				
TradingPartnerId	string(10)	Required		INTERNAL USE ONLY
CustomerNumber	string(10)	Required		Customer Account Number is set up separately for specific Sales region, for the same customer. Sales region such as US, UK, Canada etc. are specified using SalesOrganization field. See additional notes here:
SalesOrganization	string(4)	Required		SalesOrganization code must be specified along with Customer Account Number. For example, 2000 for US, 2100 for Canada. See additional notes here:
DistributionChannel	string(2)	Required	01	INTERNAL USE ONLY
Division	string(2)	Required	01	INTERNAL USE ONLY
CustomerAccount				
EDelivery				
EDeliveryPartnerNumber	string(10)	Optional		
EmailAddress	string(64)	Optional	jon@dimension.com	
EDelivery				
BillToAddress				
BillToPartnerNumber	string(10)	Optional		INTERNAL USE ONLY
Company	string(35)	Optional	ABC Services Ltd	INTERNAL USE ONLY
Line1	string(35)	Optional	Building 2, Waterfront Business Park	INTERNAL USE ONLY
Line2	string(35)	Optional	addr2	INTERNAL USE ONLY
Line3	string(35)	Optional	addr3	INTERNAL USE ONLY
Line4	string(35)	Optional	addr4	INTERNAL USE ONLY
City	string(35)	Optional	New York	INTERNAL USE ONLY
State	string(3)	Optional	NY	INTERNAL USE ONLY
PostalCode	string(9)	Optional	12345	INTERNAL USE ONLY
Country	string(3)	Optional	US	INTERNAL USE ONLY
BillToAddress				
BillToContact				
BillToContactNumber	string(10)	Optional		INTERNAL USE ONLY
ContactName	string(35)	Optional	Jon Smith	INTERNAL USE ONLY
Phone	string(25)	Optional	1231231234	INTERNAL USE ONLY
CountryPrefix	string(8)	Optional	1245	INTERNAL USE ONLY
Extension	string(25)	Optional	1245	INTERNAL USE ONLY
Fax	string(25)	Optional	1231231234	INTERNAL USE ONLY
Mobile	string(25)	Optional	1231231234	INTERNAL USE ONLY
EmailAddress	string(64)	Optional	jon@dimension.com	INTERNAL USE ONLY
BillToContact				

ShipToAddress				
ShipToPartnerNumber	string(10)	Required	64569	INTERNAL USE ONLY
Company	string(35)	Required	Dimension Data Network Services Ltd	
Line1	string(35)	Required	Building 2, Waterfront Business Park	
Line2	string(35)	Optional	addr2	
Line3	string(35)	Optional	addr3	
Line4	string(35)	Optional	addr4	
City	string(35)	Required	GU51 3QT	
State	string(3)	Required	NY	
PostalCode	string(9)	Required	12345	
Country	string(3)	Required	US	
TrackItEmailAddress	string(64)	Optional		
ShipItEmailAddress	string(64)	Optional		
ShipToAddress				
ShipToContact				
ShipToContactNumber	string(10)	Optional		INTERNAL USE ONLY
ContactName	string(35)	Optional	Jon Smith	
Phone	string(25)	Optional	1231231234	
CountryPrefix	string(8)	Optional	1245	
Extension	string(25)	Optional	1245	
Fax	string(25)	Optional	1231231234	
Mobile	string(25)	Optional	1231231234	
EmailAddress	string(64)	Optional	jon@dimension.com	
ShipToContact				
EndUserAddress				
EndUserReferenceNumber	string(10)	Optional	XREF123456	INTERNAL USE ONLY
Vertical	string(4)	Optional	COM	INTERNAL USE ONLY
Company	string(35)	Optional	Dimension Data Network Services Ltd	
Line1	string(35)	Optional	Building 2, Waterfront Business Park	
Line2	string(35)	Optional	addr2	
Line3	string(35)	Optional	addr3	
Line4	string(35)	Optional	addr4	
City	string(35)	Optional	GU51 3QT	
State	string(3)	Optional	NY	
PostalCode	string(9)	Optional	12345	
Country	string(3)	Optional	US	
EndUserAddress				
EndUserContact				
EndUserContactNumber	string(10)	Optional		INTERNAL USE ONLY
ContactName	string(35)	Optional	Jon Smith	
Phone	string(25)	Optional	1231231234	
CountryPrefix	string(8)	Optional	1245	
Extension	string(25)	Optional	1245	
Fax	string(25)	Optional	1231231234	
Mobile	string(25)	Optional	1231231234	
EmailAddress	string(64)	Optional	jon@dimension.com	
EndUserContact				
OrderLines				
OrderLine				
CustomerLineNumber	string(6)	Optional	010	
RequestedDeliveryDate	date	Optional	20110811	

RequestedShipDate	date	Optional	20110810	Not used
Plantcode	char(4)	Optional	2000	INTERNAL USE ONLY
QuantityOrdered	string(15)	Required	1	
UnitPrice	string(15)	Optional	120.5	
PriceOverride	boolean	Optional	false	This feature is not available at this time. It will be set to false and Westcon's SAP pricing will be applied.
ContractRefCode	string(3)	Optional	043	
ContractNumber	string(35)	Optional		
FindSAPContractNumber	boolean	Optional	false	
LineQuote	String(10)	Optional	2049999999	
InternalOrderLineAttachments				
InternalOrderLineAttachment				
InternalOrderLineAttachment	string(70)	Optional	Using this to store long address fields	INTERNAL USE ONLY
InternalOrderLineAttachment				
InternalOrderLineAttachments				
ExternalOrderLineAttachments				
ExternalOrderLineAttachment				
ExternalOrderLineAttachment	string(70)	Optional	CustomerMaterialSpecificationNumber: 40e8s98e38	
ExternalOrderLineAttachment				
ExternalOrderLineAttachments				
VRFLines				
VRFLine				
VRFFieldName	char(30)		Start Date	See the notes section about Vendor Required Fields
VRFValue	char(40)		20110810	
VRFLine				
VRFLines				
VRFQuantitys				
VRFQuantity				
VRFFieldName	char(30)		LicenseNumber	See the notes section about Vendor Required Fields
VRFValue	char(40)		293847293472394	
VRFQuantity				
VRFQuantitys				
Product				
ProductReferenceUID	string(2)	Required	02	
ProductNumber	string(40)	Required	wic-1t	
CustomerProductNumber	string(70)	Optional	CUST-wic-1t	
Product				
OrderLine				
OrderLines				
Order				
WestconPurchaseOrderRequest				

3.2 Response Schema

Schema Element	Type	Notes
WestconPurchaseOrderResponse		
Order		
ConfirmationNumber		Westcon Confirmation Number
OrderNumber		Westcon Order Number

Errors		
ErrorNo		Error Number (might be null/blank)
ErrorDetail		Error Detail
Errors		
Order		
WestconPurchaseOrderResponse		

3.3 Additional Notes about Request Fields

3.3.1 CustomerAccountNumber and SalesOrganization fields

A customer can have multiple account numbers set up for different Sales Regions. Sales Regions are specified in SalesOrganization field.

For example, Customer X has the following accounts:

CustomerAccountNumber	SalesOrganization	Currency
1234567	2000	USD
1234578	2100	CAD
2355789	6000	AUD

When placing orders, the customer account number must be specified as per the table depending on the Sales Organization.

The Username in the request authentication usually matches with one of the customer account numbers. This remains the same even if the order is placed in different Sales Regions.

For example, if the Username is 1234567, in order to place an order in Australia, the Username is still 1234567, but the CustomerAccountNumber=2355789 and SalesOrganization=6000.

3.3.2 Vendor Required Fields

Vendors can specify certain fields at the Order Header and Line levels. The following 3 fields can be specified in the Order Request VRFHeaders, VRFLines and VRFQuantitys. Each of these are a collection of VRFFieldName and VRFFieldValue.

A vendor can request Westcon to set up some specific **VRFFieldNames** in the SAP system. Once these fields are configured, they can be specified in the order request.

For example, if the following VRF fields are set up for a specific vendor, they can specify the field in any of the Header, Line or Quantity fields: *VRF_CONTRACT_START_DATE*, *VRF_QUOTE_NUMBER* etc.

4. Consuming the Service

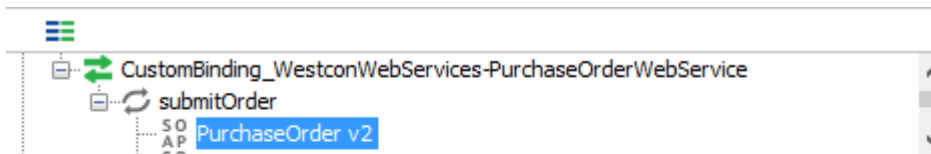
This section provides guidance to setup client and consume the service using Visual Studio for .NET clients and SoapUI to quickly test by providing XML inputs.

4.1 Setting up .NET Client

The following are the main steps to consume the service in .NET. Sample code is provided for guidance.

4.1.1 Add a Service Reference

Create Service Reference using the wsdl. For this sample, the name *AvailabilityService* is used for the Service Reference.



Property	Value
Name	PurchaseOrder v2
Description	
Message Size	4648
Encoding	UTF-8
Endpoint	https://webservicetest.westcon.com/B2B/W...
Timeout	
Bind Address	
Follow Redirects	true
Username	1231913
Password	*****
Domain	
Authentication Type	No Authorization
WSS-Password Type	PasswordText
WSS TimeToLive	
SSL Keystore	
Skip SOAP Action	false

4.1.2 Configure bindings

Ensure the bindings are configured as below.

```
<system.serviceModel>
  <bindings>
    <wsHttpBinding>
      <binding name="PurchaseOrderWebServiceBinding">
        <security mode="TransportWithMessageCredential" >
          <transport clientCredentialType='None' />
          <message clientCredentialType='UserName' establishSecurityContext='false' />
        </security>
      </binding>
    </wsHttpBinding>
  </bindings>
  <client>
    <endpoint
      name="WsHttpPurchaseOrderWebService"
      address="https://webservicetest.westcon.com/B2B/WebServices/v2/PurchaseOrder.svc"
      binding="wsHttpBinding"
      bindingConfiguration="PurchaseOrderWebServiceBinding"
      contract="AvailabilityService.WestconWebServicesPurchaseOrderWebService"/>
    </client>
  </system.serviceModel>
```

4.1.3 Invoke service method

The following is a sample code to invoke the service. Comments within the code provide some details for quick reference. The following are the main steps to invoke.

4.1.3.1 Create the service proxy

The reference classes are in PurchaseOrderService Service Reference, you should have it referred in using statement

```
using PurchaseOrderService;
..
..
var serviceProxy = new WestconWebServicesPurchaseOrderWebServiceImpl
{
    ClientCredentials =
    {
        //Replace UserName and Password values with those provided to you
        UserName =
        {
            UserName = "1231913",
            Password = "nXD4j7cdb68vPNHuMQLGCanMQXjqxXBJ1TRp"
        }
    },
};
```

4.1.3.2 Create the request

```
var request = new submitOrderRequest
{
    WestconMetadata = new submitOrderRequestWestconMetadata
    {
        Culture = string.Empty,
        OperationType = "Submit Order",
        SourceSystem = "B2BWeb",
        Timestamp = null,
        TransactionID = null
    }
};
```

```

    },
    Order = new submitOrderRequestOrder
    {
        OrderDate = DateTime.Now,
        //Creating a random number for test purpose
        CustomerPurchaseOrderNumber = string.Format("POTEST{0}",
DateTime.Now.ToString("yyyymmddhms")),
        RequestedShipDate = DateTime.Today.AddDays(1),
        CustomerAccount = new submitOrderRequestOrderCustomerAccount
        {
            CustomerNumber = "1231963",
            DistributionChannel = "01",
            Division = "01",
            SalesOrganization = "2000",
            TradingPartnerId = string.Empty,
        },
        ShipToAddress = new submitOrderRequestOrderShipToAddress
        {
            Company = "Westcon",
            Line1 = "520 White Plains Rd",
            City = "Tarrytown",
            State = "NY",
            Country = "US",
            PostalCode = "10591",
        },
        ShipToContact = new submitOrderRequestOrderShipToContact
        {
            ContactName = "Westcon",
            CountryPrefix = "1",
            Phone = "2452422389",
            Extension = "5223",
            EmailAddress = "customer@westcon.com",
        },
        BillToAddress = null,
        BillToContact = null,
        OrderLines = new[]{ new
ArrayOfWestconPurchaseOrderRequestOrderOrderLineOrderLine
        {
            //Just a random number for test, this should be your id for this line item
            CustomerLineNumber = DateTime.Now.ToString("yyyymmddhmm"),
            Product = new
ArrayOfWestconPurchaseOrderRequestOrderOrderLineOrderLineProduct
            {
                ProductNumber = "10199",
                CustomerProductNumber = "10199",
                ProductReferenceUID = null
            },
            QuantityOrdered = "1",
            RequestedDeliveryDate = DateTime.Today.AddDays(1),
        }}
    }
};

```

4.1.3.3 Invoke the service

```

var authHeader = new AuthHeader {userName = "1231963", passWord =
"nXD4j7cdb68vPNHuMQLGCanMQXjqxXBj1TRp"};

try
{

```

```
//authHeader can be null... it is only there for backward compatibility. The
credentials are passed
var response = serviceProxy.submitOrder(ref authHeader, request);
}
catch (Exception e)
{
    HandleException(e);
}
```

4.1.3.4 Sample code, all put together

```
using System;
using PurchaseOrderService;

namespace Westcon.B2B.WebServices.Client.Console
{
    public static class PurchaseOrderClient
    {
        public static submitOrderResponseSubmitOrderResult SubmitOrder(string username,
string password)
        {
            var serviceProxy = new WestconWebServicesPurchaseOrderWebServiceClient
            {
                ClientCredentials =
                {
                    UserName = { UserName = username, Password = password }
                },
            };

            var request = new submitOrderRequest
            {
                WestconMetadata = new submitOrderRequestWestconMetadata
                {
                    Culture = string.Empty,
                    OperationType = "Submit Order",
                    SourceSystem = "B2BWeb",
                    Timestamp = null,
                    TransactionID = null
                },
                Order = new submitOrderRequestOrder
                {
                    OrderDate = DateTime.Now,
                    //Creating a random number for test purpose
                    CustomerPurchaseOrderNumber = string.Format("POTEST{0}",
DateTime.Now.ToString("yyyymmddhms")),
                    RequestedShipDate = DateTime.Today.AddDays(1),
                    CustomerAccount = new submitOrderRequestOrderCustomerAccount
                    {
                        CustomerNumber = "1001963",
                        DistributionChannel = "01",
                        Division = "01",
                        SalesOrganization = "2000",
                        TradingPartnerId = string.Empty,
                    },
                    ShipToAddress = new submitOrderRequestOrderShipToAddress
                    {
                        Company = "Westcon",
                        Line1 = "520 White Plains Rd",
                        City = "Tarrytown",
                        State = "NY",
                        Country = "US",
                        PostalCode = "10591",
                    },
                },
            };
        }
    }
}
```




```

        ShipToContact = new submitOrderRequestOrderShipToContact
        {
            ContactName = "Westcon",
            CountryPrefix = "1",
            Phone = "2452422389",
            Extension = "5223",
            EmailAddress = "customer@westcon.com",
        },
        BillToAddress = null,
        BillToContact = null,
        OrderLines = new[]{ new
ArrayOfWestconPurchaseOrderRequestOrderOrderLineOrderLine
        {
            //Just a random number for test, this should be your id for this
line item
            CustomerLineNumber = DateTime.Now.ToString("yyyyMMddhhmm"),
            Product = new
ArrayOfWestconPurchaseOrderRequestOrderOrderLineOrderLineProduct
            {
                ProductNumber = "10199",
                CustomerProductNumber = "10199",
                ProductReferenceUID = null
            },
            QuantityOrdered = "1",
            RequestedDeliveryDate = DateTime.Today.AddDays(1),
        }
    }
};

submitOrderResponseSubmitOrderResult response = null;
var authHeader = new AuthHeader {userName = "1001963", password =
"awP4j7Unb68vPNHuXQGGCanMQXjqxXBjyGve"};

//authHeader can be null... it is only there for backward compatibility. The
credentials are passed
try
{
    response = serviceProxy.submitOrder(ref authHeader, request);
}
catch (Exception e)
{
    HandleException(e);
}

return response;
}

private static void HandleException(Exception exception)
{
    throw new NotImplementedException();
}
}
}

```

4.2 Setting up SoapUI client

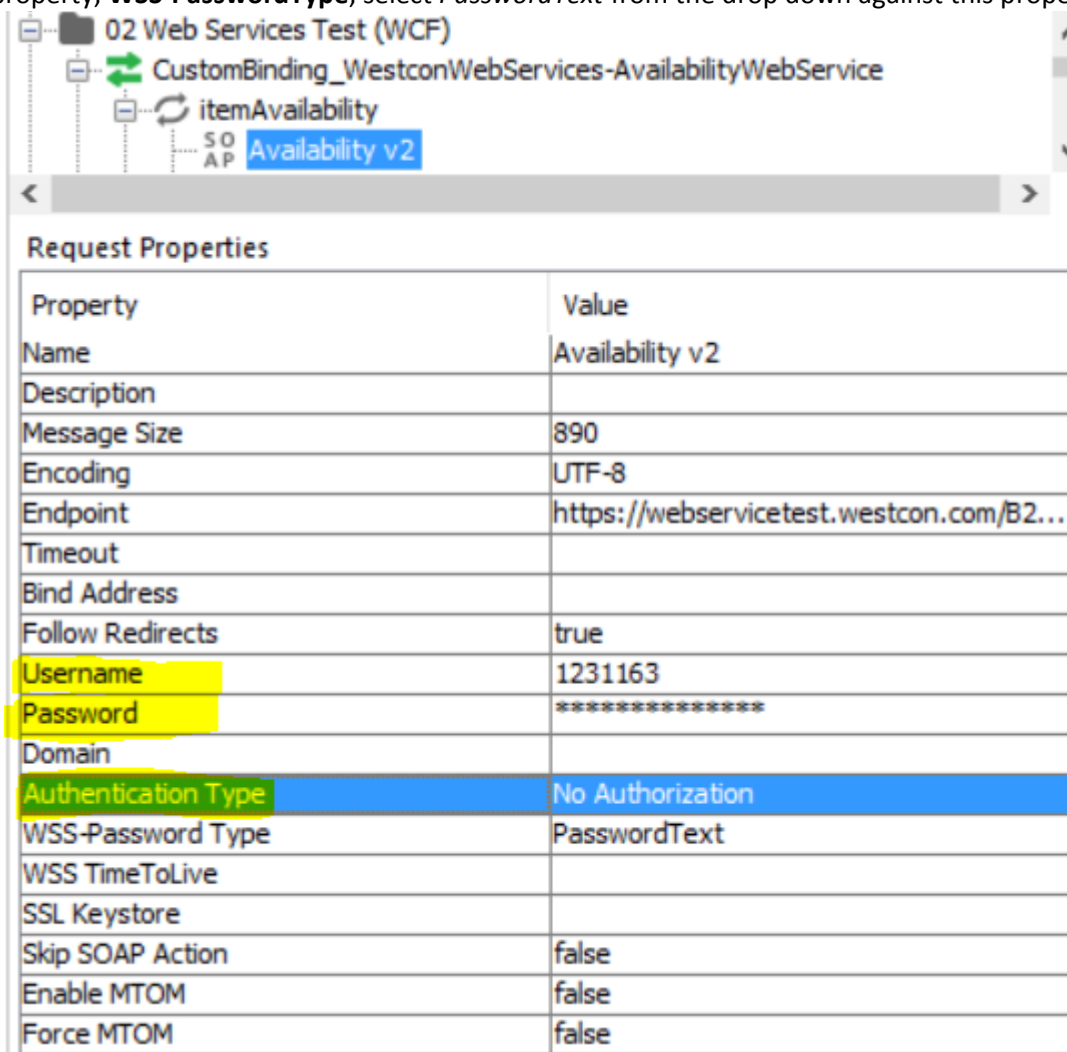
Use SoapUI tool to perform the initial tests quickly. SoapUI allows creating the client quickly and providing the XML input templates to quickly generate a client and test.

4.2.1 Adding WSDL

4.2.2 Supplying Credentials

In order to pass the credentials, the following 3 Request properties must be set as shown below.

Username and **Password** are provided to you separately, which are 2 of the 3 properties. For the 3rd property, **WSS-PasswordType**, select *PasswordText* from the drop down against this property.



Property	Value
Name	Availability v2
Description	
Message Size	890
Encoding	UTF-8
Endpoint	https://webservicetest.westcon.com/B2...
Timeout	
Bind Address	
Follow Redirects	true
Username	1231163
Password	*****
Domain	
Authentication Type	No Authorization
WSS-Password Type	PasswordText
WSS TimeToLive	
SSL Keystore	
Skip SOAP Action	false
Enable MTOM	false
Force MTOM	false

4.2.3 Sample SOAP Request and Response in Soap UI

The following is a working sample to invoke *itemAvailability*.

*<wes:AuthHeader> section under <soap:Header> is there for backward compatibility. It can be ignored.

Request
<pre><soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope" xmlns:wes="Westcon.B2B.WebServices.Wcf" xmlns:web="http://webservices.westcon.com"> <soap:Header/> <soap:Body> <web:submitOrder> <web:request> <WestconMetadata> <SourceSystem>EQN</SourceSystem></pre>

```

<OperationType>Create</OperationType>
<Culture>2000</Culture>
<TransactionID>IPUR 1.0</TransactionID>
</WestconMetadata>
<Order>
  <ConfirmationNumber/>
  <DeliveryBlock>13</DeliveryBlock>
  <OrderReason>B2B</OrderReason>
  <OrderDate>2016-09-08</OrderDate>
  <CustomerPurchaseOrderNumber>20160804</CustomerPurchaseOrderNumber>
  <CustomerLongPONumber/>
  <EndUserPurchaseOrderNumber/>
  <OrderType>ZOR</OrderType>
  <OrderedBy>EDI</OrderedBy>
  <OrderCurrency/>
  <RequestedShipDate>2016-09-08</RequestedShipDate>
  <FindSAPContractNumber>>false</FindSAPContractNumber>
  <ProjectNumber/>
  <ISAID/>
  <VRFHeaders/>
  <OrderAttachments/>
  <InternalOrderAttachments>
    <InternalOrderAttachment>
      <InternalOrderAttachment/>
    </InternalOrderAttachment>
  </InternalOrderAttachments>
  <ExternalOrderAttachments/>
  <ShippingMethod>
    <ShipComplete>>false</ShipComplete>
    <CarrierCode>UI</CarrierCode>
    <CarrierAccount/>
    <ShippingConditionCode>UF</ShippingConditionCode>
    <DeliveryPriorityCode/>
    <BlindShipment>>false</BlindShipment>
  </ShippingMethod>
  <DeliveryInstructions/>
  <CustomerAccount>
    <TradingPartnerId>WEBSERV</TradingPartnerId>
    <CustomerNumber>1231913</CustomerNumber>
    <SalesOrganization>2000</SalesOrganization>
    <DistributionChannel>01</DistributionChannel>
    <Division>01</Division>
  </CustomerAccount>
  <ShipToAddress>
    <Company>Phone Central Inc.</Company>
    <Line1>20 Blue Ridge Dr</Line1>
    <City>Belmont</City>
    <State>CA</State>
    <PostalCode>94012-3012</PostalCode>
    <Country>US</Country>
    <TrackItEmailAddress/>
    <ShipItEmailAddress/>
  </ShipToAddress>
  <ShipToContact>
    <ContactName>Andrey Tikki</ContactName>
    <Phone>16504431327</Phone>
    <CountryPrefix/>
    <Extension/>
  </ShipToContact>

```

```

<Fax/>
<Mobile/>
<EmailAddress/>
</ShipToContact>
<EndUserAddress>
  <Vertical/>
  <Company>BANK MACHINE LTD</Company>
  <Line1>5225 W.Capovilla Avenue Attentio</Line1>
  <Line2/>
  <Line3/>
  <Line4/>
  <City>Las Vegas</City>
  <State>NV</State>
  <PostalCode>89118</PostalCode>
  <Country>US</Country>
</EndUserAddress>
<EndUserContact/>
<BillToAddress/>
<BillToContact/>
<OrderLines>
  <OrderLine>
    <CustomerLineNumber>4211894021</CustomerLineNumber>
    <QuantityOrdered>1</QuantityOrdered>
    <InternalOrderLineAttachments>
      <InternalOrderLineAttachment/>
    </InternalOrderLineAttachments>
    <ExternalOrderLineAttachments>
      <ExternalOrderLineAttachment/>
    </ExternalOrderLineAttachments>
    <VRFLines>
      <VRFLine/>
    </VRFLines>
    <VRFQuantities>
      <VRFQuantity/>
    </VRFQuantities>
    <Product>
      <ProductReferenceUID>02</ProductReferenceUID>
      <ProductNumber>SPA508G</ProductNumber>
      <CustomerProductNumber>SPA508G</CustomerProductNumber>
    </Product>
  </OrderLine>
</OrderLines>
</Order>
</web:request>
</web:submitOrder>
</soap:Body>
</soap:Envelope>

```

Response

```

<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
xmlns:a="http://www.w3.org/2005/08/addressing" xmlns:u="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <s:Header>
    <a:Action s:mustUnderstand="1">http://webservices.westcon.com/WestconWebServices-
PurchaseOrderWebService/submitOrderResponse</a:Action>
    <o:Security s:mustUnderstand="1" xmlns:o="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
wssecurity-secext-1.0.xsd">
      <u:Timestamp u:Id="_0">

```

```
<u:Created>2016-09-08T03:47:55.338Z</u:Created>
<u:Expires>2016-09-08T03:52:55.338Z</u:Expires>
</u:Timestamp>
</o:Security>
</s:Header>
<s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <submitOrderResponse xmlns="http://webservices.westcon.com">
    <submitOrderResult>
      <Order xmlns="">
        <ConfirmationNumber>WS65931</ConfirmationNumber>
        <OrderNumber>0000550260</OrderNumber>
      </Order>
    </submitOrderResult>
  </submitOrderResponse>
</s:Body>
</s:Envelope>
```

5. SOAP Failures and Exceptions

We will respond back to the subscriber of the Web Services with appropriate messages. These messages are a good way to allow the subscriber to act accordingly when these errors are encountered. Most of the time, these exceptions will be thrown in the BizTalk layer and be forwarded to the subscriber by the Proxy. The subscriber should react based on the exception caught.

Error Code	Error Description	Fault Location	Reason
To be confirmed	Service is down	Proxy Service	The service is currently down for maintenance.
To be confirmed	Validation error	BizTalk Transaction	The client hasn't supplied mandatory fields or a business validation exception has occurred.
To be confirmed	Security key account number invalid	Proxy Service	The security key account number that has been supplied is invalid.
To be confirmed	Timeout	Proxy Service	If the BizTalk Service takes too long to respond then return a timeout fault exception.
To be confirmed	GAWS down	GAWS	GAWS web service might be down.

6. Reference Tables

6.1 Info Table (Sample)

This table contains customer specific details required for successful exchange with Westcon services. Customer should have received this during the on-boarding process.

Customer	SAMPLE COMPANY	This is your Company Name
Account: (username)	1001065	This is your Account number as it appears in our backend systems
Authentication Key: (password)	sN8DThqnkZEabGJt9PtU8ILs3CjgTpDyFj1	This is a 36-character key with which you will be authenticated
Your Westcon Company	00011	This value is data that is specific to your account which should be included with your web service call
RBU / HRBU	119920 (for Westcon) 119951 (for Vodaone) 119992 (for Comstor)	This value is data that is specific to your account which should be included with your web service call
Currency	USD	
Route Code	U04	Used for PO
Shipping Method	1311	Used for PO
Main WWS-URL	https://webservices.westcon.com	

7. Reference Tables

7.1 Shipping Codes

Shipping Condition	Description
A2	AU StarT Express
A3	AU StarT Prio Air
A4	AU StarT Next Flight
A5	AU IJS Intl Sea
A6	AU IJS Intl Air
A7	AU MailCall Standard
A8	AU MailCall VIP
A9	AU MailCall RVIP
AA	Customer Collection
AB	AU Urgent Freight
AC	AU Smart Tail Cope
AD	AU Smart Site Cope
AF	Follow Routing Econ
CA	CA FDX 1ST -EARLY
CB	CA FDX PRIORITY O/N
CC	CA FDX 2 DAY
CD	CA FDX ECONOMY
CE	CA FDX GROUND
CF	CA FDX 1 DAY
CG	CA FEDEX FREIGHT-
CH	CA UPS STANDARD
CI	CA UPS Expedited
CJ	CA UPS Express Saver
CK	CA UPS Express
CL	CA UPS Early AM
CP	CA Generic Pickup
CT	CA FDX Intl Priority
CU	CA FDX Intl Economy
CV	CA FDX Intl PriorFRT
CW	CA FDX Intl EconoFRT
CX	CA CEVA
N1	NZ Gen Bulk



N2	NZ Gen Freight Free
N3	NZ FRT Sub 1 Hour
N4	NZ FRT Same day
N5	NZ Cour Pst Overnite
N6	NZ Cour Pst Economy
N7	NZ Gen Daily Deliver
N9	NZ Gen International
NC	NZ Gen Cust Pickup
NO	NZ Cour Pst Oversize
P1	PH Generic
RE	RE Manual Ship
RM	RM Return/Repair
S1	SG Generic
S2	SG Standard Int'l
S4	SG Standard Domestic
U1	US UPS 2 Day Air A.M
U2	US UPS NextDay AirSa
U3	US UPS Next Day Air
U4	US UPS Early AM
U5	US Generic Pickup
U7	US FEDEX 2DayDisc
UA	US FDX 1ST Early AM
UB	US FDX PRIORITY O/N
UC	US FDX STANDARD
UD	US FEDEX 2 Day AIR
UE	US FDX ExpressSaver
UF	US Fedex Ground
UG	US Fedex 1Day Frt
UH	US Fedex 2Day Frt
UI	US Fedex 3Day Frt
UK	US FDX INTL EARLY
UL	US FDX INTL PRIORITY
UM	US FDX INTL
UN	US FDX INTL PRIO FRT
UO	US FDX INTL ECON
UP	US FEDEX FREIGHT-
UQ	US LYNDEN NEXT DAY

UR	US LYNDEN 2 DAY
US	US LYNDEN ECON LTL
UT	US POLARIS NEXT DAY
UU	US POLARIS 2 DAY
UV	US POLARIS ECON LTL
UX	US UPS Ground
UY	US UPS 3 Day Select
UZ	US UPS 2nd Day Air
V1	US CEVA Pri NxtD 12
V2	US CEVA NxD 5pm
V3	US CEVA 2nd Day
V4	US CEVA 3-5 Day
W1	PH Generic Carrier
W2	ID Generic Carrier
W3	TW Generic Carrier
W4	HK Generic Carrier
W5	MY Generic Carrier
ZF	ZF Follow route g
ZP	ZP Follow route air

7.2 List of Error Messages

7.2.1 Validation Errors

Error Message	Comments
Order block is null	Occurs when the Order field is missing in the request
CustomerPurchaseOrderNumber cannot be null	Occurs when data in CustomerPurchaseOrderNumber field is not set
CustomerAccount block is null	Occurs when CustomerAccount field is missing in the request
CustomerAccountNumber is null	Occurs when data in CustomerAccountNumber field is not set
ShipToAddress block is null	Occurs when the ShipToAddress field is missing in the request
ShipToAddress.Company block is null	Occurs when data in ShipToAddress.Company field is not set
ShipToAddress.Line1 block is null	Occurs when data in ShipToAddress.Line1 field is not set
ShipToAddress.City block is null	Occurs when data in ShipToAddress.City field is not set
ShipToAddress.State block is null	Occurs when data in ShipToAddress.State field is not set
ShipToAddress.PostalCode block is null	Occurs when data in ShipToAddress.PostalCode field is not set
ShipToAddress.Country block is null	Occurs when data in ShipToAddress.Country field is not set
OrderLines block is null	Occurs when the OrderLines field is missing in the request
No OrderLines found	Occurs when there are not OrderLine items within OrderLines in the request
QuantityOrdered is not numeric:{0}	Occurs when the data in QuantityOrdered field is not a number
OrderLine does not have a Product.ProductNumber(SKU) specified	Occurs when data in Product.ProductNumber, which is a SKU for this order is not set



7.2.2 Order Creation Process Errors

Error Message	Comments
Material [<i>ProductNumber</i>] is not defined for sales org.2000, distr.chan.01, language EN	Occurs when the ProductNumber in the request does not exist in the system. This error is accompanied by the following line, where OrderLineNumber is the number which has an invalid Product Number in the request. <i>Error in SALES_ITEM_IN [<i>OrderLineNumber</i>]</i>
Tax cannot be determined for Ship-to address provided	Occurs when the country code in the ship to address is outside the tax jurisdiction for the customer's account