

Web services of Gor Factory

Due to the integration needs of Gor Factory customers with the necessary data to integrate article master, stock, order, etc. with our systems, we developed a web services environment to achieve this integration.

The web services are located on the server in the SRV-WS001 cloud which hosts general services "wsgor" and other services of a specific nature.

These web services are integrated with the extranet access system, so that the client can access to the "gorws" web service with his extranet access data.

For more security, authenticating the server and encrypting the communications also protects the transmission of data by certificates from external certification authorities.

Access to the web services

The web service is located at the following URL:

<http://ws.gorfactory.es:41059/gorws.svc>

The published methods are following:

Method	Description	Parameters
GetVersion	You get the version of the web service, so that in case of changes in the web service, you have a reference attesting that the service has changed. This method does not require parameters and the response is of type "string"	It does not require that you pass any parameters
Respuesta	String: "Version: 1.0.1.3"	
GetItemStock	The stock of a specific item is obtained by providing the SKU and obtaining an integer response with the available stock for that SKU. In case of not being able to obtain the stock, the web service will return "-1". If the warehouse entered is less than 200, it will be catalog or outlet items, so the item coding is the standard one. If the warehouse entered is equal to or greater than 200, it will be warehouses for special productions, in this case the coding of the article will begin with "PROESP".	ItemCode (String): Parameter to indicate the item from which we want to obtain the stock. Ex: CA04500101 WhsCode (String): Parameter to indicate the warehouse from which the stock is to be obtained. Ex: 01
Respuesta	String: "500"	
GetItemStockStm	The stock of a specific item is obtained by providing the SKU and obtaining an integer response with the available stock for that SKU. In case of not being able to obtain the stock, the web service will return "-1".	ItemCode (String): Parameter to indicate the item from which we want to obtain

	<p>If the warehouse entered is less than 200, it will be catalog or outlet items, so the item coding is the standard one.</p> <p>If the warehouse entered is equal to or greater than 200, it will be warehouses for special productions, in this case the coding of the article will begin with "PROESP".</p>	<p>the stock. Ex: CA04500101</p> <p>WhsCode (String):</p> <p>Parameter to indicate the warehouse from which the stock is to be obtained.</p> <p>Ex: 01</p>
Respuesta	String: "500"	
GetCatalogStock	<p>An XML in string format is obtained with the stock of all catalog items. It does not require input parameters.</p> <p>If the warehouse entered is less than 200, it will be catalog or outlet items, so the coding of the item is the standard.</p> <p>If the warehouse entered is equal to or greater than 200, it will be special production warehouses, in this case an additional property called "itemname" will be returned in the XML where the item description will be provided. In this case the coding of the article will begin with "PROESP".</p>	<p>WhsCode (String):</p> <p>Parameter to indicate the warehouse from which the stock has to be obtained.</p> <p>Ex: 01</p>
Respuesta	<pre><?xml version="1.0" encoding="utf-8"?> <stock date="2019-03-08T11:07:00"> <itemstock itemcode="BD720010301" stock="500" nextstock="" /> <itemstock itemcode="BD720010302" stock="500" nextstock="" /> <itemstock itemcode="BD720010310" stock="500" nextstock="" /> <itemstock itemcode="BD720010348" stock="500" nextstock="" /> <itemstock itemcode="BD720010401" stock="500" nextstock="" /> <itemstock itemcode="BD720010402" stock="460" nextstock="" /> <itemstock itemcode="BD720010410" stock="90" nextstock="2019-06-04" /> </stock> <itemstock itemcode="BD720010448" stock="500" nextstock="" /> <itemstock itemcode="BD72003501" stock="500" nextstock="" /> <itemstock itemcode="BD72003502" stock="500" nextstock="" /> <itemstock itemcode="BD72003510" stock="210" nextstock="2019-06-04" /> </itemstock> ... </itemstock></pre>	
GetCatalogStockStm	<p>An XML is obtained in "string" format with the stock of all items in the Stamina catalog. It does not require input parameters.</p> <p>If the warehouse entered is less than 200, it will be catalog or outlet items, so the item coding is the standard one.</p> <p>If the warehouse entered is equal to or greater than 200, it will be warehouses for special productions, in this case an additional property called "itemname" will be returned in the XML where the item's description will be provided. In this case, the coding of the article will begin with "PROESP".</p>	<p>WhsCode (String):</p> <p>Parameter to indicate the warehouse from which the stock is to be obtained.</p> <p>Ex: 01</p>
Respuesta	<pre><?xml version="1.0" encoding="utf-8"?> <stock date="2019-03-08T11:07:00"> <itemstock itemcode="BD720010301" stock="500" nextstock="" /> <itemstock itemcode="BD720010302" stock="500" nextstock="" /> <itemstock itemcode="BD720010310" stock="500" nextstock="" /> <itemstock itemcode="BD720010348" stock="500" nextstock="" /> <itemstock itemcode="BD720010401" stock="500" nextstock="" /></pre>	

	<pre> <itemstock itemcode="BD720010402" stock="460" nextstock="" /> <itemstock itemcode="BD720010410" stock="90" nextstock="2019-06-04" /> <itemstock itemcode="BD720010448" stock="500" nextstock="" /> <itemstock itemcode="BD72003501" stock="500" nextstock="" /> <itemstock itemcode="BD72003502" stock="500" nextstock="" /> <itemstock itemcode="BD72003510" stock="210" nextstock="2019-06-04" /> ... </pre>	
GetCatalogStockCSV	<p>A CSV is obtained in "string" format with the stock of all catalog items. It does not require input parameters.</p> <p>If the warehouse entered is less than 200, it will be catalog or outlet items, so the item coding is the standard one.</p> <p>If the warehouse entered is equal to or greater than 200, it will be warehouses for special productions. In this case, the coding of the article will begin with "PROESP".</p>	<p>WhsCode (String):</p> <p>Parámetro para indicar el almacén del que se quiere obtener el stock.</p> <p>Ej: 01</p>
Respuesta	<pre> REFERENCIA;DESCRIPCION;STOCK ACTUAL;STOCK FUTURO BD720010301;BODY HONEY T/9 MESES BLANCO;500;20/06/2019 BD720010302;BODY HONEY T/9 MESES NEGRO;500; BD720010310;BODY HONEY T/9 MESES CELESTE;500; BD720010348;BODY HONEY T/9 MESES ROSA CLARO;500; BD720010401;BODY HONEY T/3 MESES BLANCO;500;24/04/2019 BD720010402;BODY HONEY T/3 MESES NEGRO;500; BD720010410;BODY HONEY T/3 MESES CELESTE;500; BD720010448;BODY HONEY T/3 MESES ROSA CLARO;500; BD72003501;BODY HONEY T/6 MESES BLANCO;500;24/04/2019 BD72003502;BODY HONEY T/6 MESES NEGRO;500; BD72003510;BODY HONEY T/6 MESES CELESTE;500; BD72003548;BODY HONEY T/6 MESES ROSA CLARO;500; BD72003601;BODY HONEY T/12 MESES BLANCO;500;20/06/2019 BD72003602;BODY HONEY T/12 MESES NEGRO;500; BD72003610;BODY HONEY T/12 MESES CELESTE;500; ... </pre>	
GetCatalogStockStm CSV	<p>A CSV is obtained in "string" format with the stock of all items in the Stamina catalog. It does not require input parameters.</p> <p>If the warehouse entered is less than 200, it will be catalog or outlet items, so the item coding is the standard one.</p> <p>If the warehouse entered is equal to or greater than 200, it will be warehouses for special productions. In this case, the coding of the article will begin with "PROESP".</p>	<p>WhsCode (String):</p> <p>Parámetro para indicar el almacén del que se quiere obtener el stock.</p> <p>Ej: 01</p>
Respuesta	<pre> REFERENCIA;DESCRIPCION;STOCK ACTUAL;STOCK FUTURO BD720010301;BODY HONEY T/9 MESES BLANCO;500;20/06/2019 BD720010302;BODY HONEY T/9 MESES NEGRO;500; BD720010310;BODY HONEY T/9 MESES CELESTE;500; BD720010348;BODY HONEY T/9 MESES ROSA CLARO;500; BD720010401;BODY HONEY T/3 MESES BLANCO;500;24/04/2019 BD720010402;BODY HONEY T/3 MESES NEGRO;500; BD720010410;BODY HONEY T/3 MESES CELESTE;500; BD720010448;BODY HONEY T/3 MESES ROSA CLARO;500; BD72003501;BODY HONEY T/6 MESES BLANCO;500;24/04/2019 BD72003502;BODY HONEY T/6 MESES NEGRO;500; BD72003510;BODY HONEY T/6 MESES CELESTE;500; BD72003548;BODY HONEY T/6 MESES ROSA CLARO;500; </pre>	

	BD72003601;BODY HONEY T/12 MESES BLANCO;500;20/06/2019 BD72003602;BODY HONEY T/12 MESES NEGRO;500; BD72003610;BODY HONEY T/12 MESES CELESTE;500; ...	
GetItemInfo	<p>You get an XML in string format the information of an article by providing the SKU.</p> <p>This method does not support requests for special production items (starting with PROESP).</p>	<p>ItemCode (String): Parameter to indicate the article from which we want to obtain the information. Ex: CA04500101</p> <p>Language (String): Parameter to indicate the language in which we want to obtain the information. Ex: es-ES</p>
Respuesta	<pre><?xml version="1.0" encoding="UTF-8"?> <iteminfo date="2019-03-08T11:15:46" language="es-ES"> <item> <itemcode>CA65500101</itemcode> <measures>[48cm/69cm]</measures> <modelcode>CA6550</modelcode> <modelname>BRACO</modelname> <description><![CDATA[Camiseta de manga corta, confeccionada con tejido en galga fina y acabado compactado. Cuello redondo con 4 capas, cubrecosturas reforzado en cuello y hombros. Costuras laterales.]]></description> <composition><![CDATA[100% algodón peinado, punto liso, 180 g/m².]]></composition> <observations><![CDATA[*Color gris vigoré 58: 85% algodón / 15% viscosa.
*Talla 4XL y 5XL, en los colores: Blanco 01.
*Niños: unidades caja 100
*Etiqueta removible.
*Disponible en tallas infantiles.
*Disponible mujer.]]></observations> <packunits>5</packunits> <boxunits>50</boxunits> <family><![CDATA[Camisetas]]></family> <gender>Unisex</gender> <sizecode>01</sizecode> <size>S</size> <colorcode>01</colorcode> <colorname>BLANCO</colorname> <collections><![CDATA[CASUAL COLLECTION SUMMER\CAMISetas HOMBRE M/C Y TIRANTES#N-D\KIDS]]></collections> <productimage><![CDATA[https://static.gorfactory.es/pics2019/large/CA6550_01_2_1_1.jpg]]></productimage> <modelimage><![CDATA[https://static.gorfactory.es/pics2019/large/6550_116_1_1.jpg]]></modelimage> <childimage><![CDATA[https://static.gorfactory.es/pics2019/large/6550_02_1_2.jpg]]></childimage> </item> </iteminfo></pre>	
GetCatalogCSV	<p>A CSV is obtained in "string" format the information from the Roly catalog providing the language.</p>	<p>Language (String): Parámetro para indicar el idioma en que queremos</p>

		obtener la información. Ej: es-ES
Respuesta	CODE MEASURES MODEL MODELNAME DESCRIPTION COMPOSITION OBSERVATION FAMILIE GENDER SIZE SIZECODE COLOR COLORCODE COLLECTION PRODUCTIMAGE MODELIMAGE CHILDIMAGE ISFORCHILDREN ISNOVELTY UDSPACK UDSBOX PACKINCR UNITSINCR EANCODE MEDIDA_CAJA WEIGHT TARIC MADEIN BA90940001 [51cm/95cm] BA9094 VACCINE Long sleeve unisex gown:1. Collar with flap.2. Central opening with 5 buttons to tone.3. One chest pocket and two side pockets.4. Back waistband 80% polyester / 20% cotton, 195 gsm * Removable label.* Unisex model* Models for laboratory, health, aesthetics, food and cleaning. Overall Unisex XS 00 WHITE 01 WORKWEAR COLLECTION\SANITARY#WORKWEAR COLLECTION\UNIFORM https://static.gorfactory.es/pics2019/large/BA9094_01_2_1.jpg https://static.gorfactory.es/pics2020/large/9094_01_1_1.jpg False True 1 50 5.00 5.00 8434344493914 43.00 cm x 60.00 cm x 33.00 cm 24.50 kg 6211421000 MYANMAR	
GetCatalogStmCSV	Se obtiene un CSV en formato “string” la información del catálogo Stamina proporcionando el idioma.	Language (String): Parámetro para indicar el idioma en que queremos obtener la información. Ej: es-ES
Respuesta	CODE MEASURES MODEL MODELNAME DESCRIPTION COMPOSITION OBSERVATION FAMILIE GENDER SIZE SIZECODE COLOR COLORCODE COLLECTION PRODUCTIMAGE MODELIMAGE CHILDIMAGE ISFORCHILDREN ISNOVELTY UDSPACK UDSBOX PACKINCR UNITSINCR EANCODE MEDIDA_CAJA WEIGHT TARIC MADEIN BA90940001 [51cm/95cm] BA9094 VACCINE Long sleeve unisex gown:1. Collar with flap.2. Central opening with 5 buttons to tone.3. One chest pocket and two side pockets.4. Back waistband 80% polyester / 20% cotton, 195 gsm * Removable label.* Unisex model* Models for laboratory, health, aesthetics, food and cleaning. Overall Unisex XS 00 WHITE 01 WORKWEAR COLLECTION\SANITARY#WORKWEAR COLLECTION\UNIFORM https://static.gorfactory.es/pics2019/large/BA9094_01_2_1.jpg https://static.gorfactory.es/pics2020/large/9094_01_1_1.jpg False True 1 50 5.00 5.00 8434344493914 43.00 cm x 60.00 cm x 33.00 cm 24.50 kg 6211421000 MYANMAR	
GetCatalogXML	Se obtiene un XML en formato “string” la información del catálogo Roly proporcionando el idioma.	Language (String): Parámetro para indicar el idioma en que queremos obtener la información. Ej: es-ES
Respuesta	<?xml version="1.0" encoding="UTF-8"?><catalog date="2020-05-07T16:32:03" language="en-GB"><item><itemcode>BA90940001</itemcode><eancode>8434344493914</eancode><measures>[51cm/95cm]</measures><modelcode>BA9094</modelcode><modelname>VACCINE</modelname><description><![CDATA[Long sleeve unisex gown:1. Collar with flap.2. Central opening with 5 buttons to tone.3. One chest pocket and two side pockets.4. Back waistband]]></description><composition><![CDATA[80% polyester / 20% cotton, 195 gsm]]></composition><observations><![CDATA[* Removable label.* Unisex model* Models for laboratory, health, aesthetics, food and cleaning.]]></observations><packunits>1</packunits><boxunits>50</boxunits><family><![CDATA[Overall]]></family><gender>Unisex</gender><sizecode>00</sizecode><sizenam>XS</sizenam><colorcode>01</colorcode><colorname>WHITE</colorname><collections><![CDATA[WORKWEAR COLLECTION\SANITARY#WORKWEAR COLLECTION\UNIFORM]]></collections><productimage><![CDATA[https://static.gorfactory.es/pics2019/large/BA9094_01_2_1.jpg]]></productimage><modelimage><![CDATA[https://static.gorfactory.es/pics2020/large/9094_01_1_1.jpg]]></modelimage><childimage><![CDATA[]]></childimage><isforchildren>False</isforchildren><isnovelty>True</isnovelty><packincr>5.00</packincr><unitsincr>5.00</unitsincr><boxsize><![CDATA[43.00 cm x 60.00 cm x 33.00 cm]]></boxsize><weight>24.50 kg</weight><taric>6211421000</taric><madein>MYANMAR</madein></item>	

GetCatalogStmXML	Se obtiene un XML en formato "string" la información del catálogo Stamina proporcionando el idioma.	Language (String): Parámetro para indicar el idioma en que queremos obtener la información. Ej: es-ES
Respuesta	<pre><?xml version="1.0" encoding="UTF-8"?><catalog date="2020-05-07T16:32:03" language="en-GB"><item><itemcode>BA90940001</itemcode><eancode>8434344493914</eancode><measures>[51cm/95cm]</measures><modelcode>BA9094</modelcode><modelname>VACCINE</modelname><description><![CDATA[Long sleeve unisex gown:1. Collar with flap.2. Central opening with 5 buttons to tone.3. One chest pocket and two side pockets.4. Back waistband]]></description><composition><![CDATA[80% polyester / 20% cotton, 195 gsm]]></composition><observations><![CDATA[* Removable label.* Unisex model* Models for laboratory, health, aesthetics, food and cleaning.]]></observations><packunits>1</packunits><boxunits>50</boxunits><family><![CDATA[Overall]]></family><gender>Unisex</gender><sizecode>00</sizecode><sizenam>XS</sizenam><colorcode>01</colorcode><colorname>WHITE</colorname><collections><![CDATA[WORKWEAR COLLECTION\SANITARY#WORKWEAR COLLECTION\UNIFORM]]></collections><productimage><![CDATA[https://static.gorfactory.es/pics2019/large/BA9094_01_2_1.jpg]]></productimage><modelimage><![CDATA[https://static.gorfactory.es/pics2020/large/9094_01_1_1.jpg]]></modelimage><childimage><![CDATA[]]></childimage><isforchildren>False</isforchildren><isnovelty>True</isnovelty><packincr>5.00</packincr><unitsincr>5.00</unitsincr><boxsize><![CDATA[43.00 cm x 60.00 cm x 33.00 cm]]></boxsize><weight>24.50 kg</weight><taric>6211421000</taric><madein>MYANMAR</madein></item></pre>	
SetOrder	Generate an order in our system with the data sent in XML format	sXMLOrder (String): Parameter to indicate the order data, it must be a string in XML format
Parámetro XML	<pre><?xml version="1.0" encoding="utf-8"?> <pedido> <header> <orderreference>JK1293345</orderreference> <obsweb>Este pedido lo quiero para mañana</obsweb> <address>Dirección 1</address> </header> <lines> <line linenum = "1" itemcode="CA65500101" quantity="100" whscode="01" /> <line linenum = "2" itemcode="CA65500102" quantity="100" whscode="01" /> </lines> </pedido></pre>	

Accessing the URL "http://ws.gorfactory.es:41059/gorws.svc" we obtain access to the definition of the web service (wsdl) and the definition file, as well as source code examples in C # and VB how to consume these web services.

Gorws Service

You have created a service.

To test this service, you will need to create a client and use it to call the service. You can do this using the svcutil.exe tool from the command line with the following syntax:

```
svcutil.exe http://ws.gorfactory.es:8080/gorws.svc?wsdl
```

You can also access the service description as a single file:

```
http://ws.gorfactory.es:8080/gorws.svc?singleWsdl
```

This will generate a configuration file and a code file that contains the client class. Add the two files to your client application and use the generated client class to call the Service. For example:

C#

```
class Test
{
    static void Main()
    {
        GorwsClient client = new GorwsClient();

        // Use the 'client' variable to call operations on the service.

        // Always close the client.
        client.Close();
    }
}
```

Visual Basic

```
Class Test
    Shared Sub Main()
        Dim client As GorwsClient = New GorwsClient()
        ' Use the 'client' variable to call operations on the service.

        ' Always close the client.
        client.Close()
    End Sub
End Class
```

```
Dim oGORWS As GORWS_Productivo.GorwsClient = Nothing
Dim sResponse As String = String.Empty
Try
    oGORWS = New GORWS_Productivo.GorwsClient()
    oGORWS.ClientCredentials.UserName.UserName = "user@domain.com"
    oGORWS.ClientCredentials.UserName.Password = "password"

    sResponse = oGORWS.GetVersion()
```

Additional considerations

If the size of the data to be downloaded from the web service exceeds the limits established by default in most systems, these must be changed (for the programmer's consideration) to the following parameters in the client definition::

- maxReceivedMessageSize = 2000000
- maxDepth = 2147483647
- maxStringContentLength = 2147483647
- maxArrayLength = 2147483647
- maxBytesPerRead = 2147483647
- maxNameTableCharCount = 2147483647

In the case of using Microsoft technology, these parameters will be defined in the "app.config" or in the "web.config" depending on the type of project that is:

```
<system.serviceModel>
  <bindings>
    <wsHttpBinding>
      <binding name="basicHttpBindingEndpointGOR"
maxReceivedMessageSize="2000000">
        <readerQuotas maxDepth="2147483647"
maxStringContentLength="2147483647"
maxArrayLength="2147483647" maxBytesPerRead="2147483647"
maxNameTableCharCount="2147483647" />
      <security>
        <message clientCredentialType="UserName" />
      </security>
    </binding>
```

```
        </wsHttpBinding>
    </bindings>
    <client>
        <endpoint address="http://ws.gorfactory.es:41059/gorws.svc/Gorws"
            binding="wsHttpBinding"
            bindingConfiguration="basicHttpBindingEndpointGOR"
            contract="GORWS_Productivo.IGorws"
            name="basicHttpBindingEndpointGOR">
            <identity>
                <dns value="www.ws.gorfactory.es" />
            </identity>
        </endpoint>
    </client>
</system.serviceModel>
```