DACHSER SPAIN Web Services - AidaWEB shimpent creation

Identificación:

Project Info	
Project name	**DACHSER SPAIN Web Services**
Responsable de Negocio	**Dachser Spain Integration Team**
Versión	**1.2**
Fecha	**December 13, 2021**

Change Log:

Version	Date	Description	Author
1.0	December 14, 2021	Initial version	EO

Target group:

This documentation is primarily intended for DACHSER Spain's IT support and Customers, but also at all interested parties.

INTRODUCTION : Dachser Spain Web Services.

> **USE NOTICE:**
>
> In order to run DACHSER Spain web services, previous registration of an **authenticated user on the eView platform for the customer with specific rights** has to be done. Please, check with your DACHSER sales agent if you need to use them.

A web service enables machine-to-machine communication by providing a standardized way to use interfaces from remote systems. Therefore, data is exchanged and functions are called up on remote computers. Each web service has a Uniform Resource Identifier (URI) which uniquely identifies it. Furthermore, each web service has an interface description, the so called web service API (application programming interface) which describes all provided functionalities and defines how to interact with the web service.

Web services can be implemented in different ways. The most common are:

REST-APIs (REpresentational State Transfer) and

SOAP-Services (Simple Object Access Protocol).

The DACHSER Spain web services follow the SOAP 1.2 paradigm as it offers strongest protocol to the web service consumer. Additionally in contrast to REST, it uses XML which has very powerful and widely used validation methods.

Specifically, the communication is carried out according to the following standards:

- SOAP 1.2
- WSDL 1.1 (binding type document-literal).
- HTTPS (HTTP/1.1 with SSL3.0/TLS1.0 protocol with basic authentication).

The SSL3.0/TLS1.0 protocol is used to protect traffic data, which can provide guarantees of authenticity, information integrity, non-repudiation and privacy, thus preventing any user from accessing information for which it is not authorized. To ensure that the data is only visible by authorized users in the URL access, a key generated from two data is used: the user identifier and the identifier of the entity to be consulted.

In order to use the web services it is necessary to develop a client that invokes them, therefore it is essential that the person in charge of such development has the necessary programming knowledge.

The following useful information for this development is detailed below for each service.

The client applications to use the web services must be able to implement the aforementioned technologies so that they can establish a connection between the protocols of the different layers of the communication stack. In addition, they must rely on Verisign as a certifying entity since the eView server certificate is issued by VeriSign Class 3 Public Primary Certification Authority - G5.
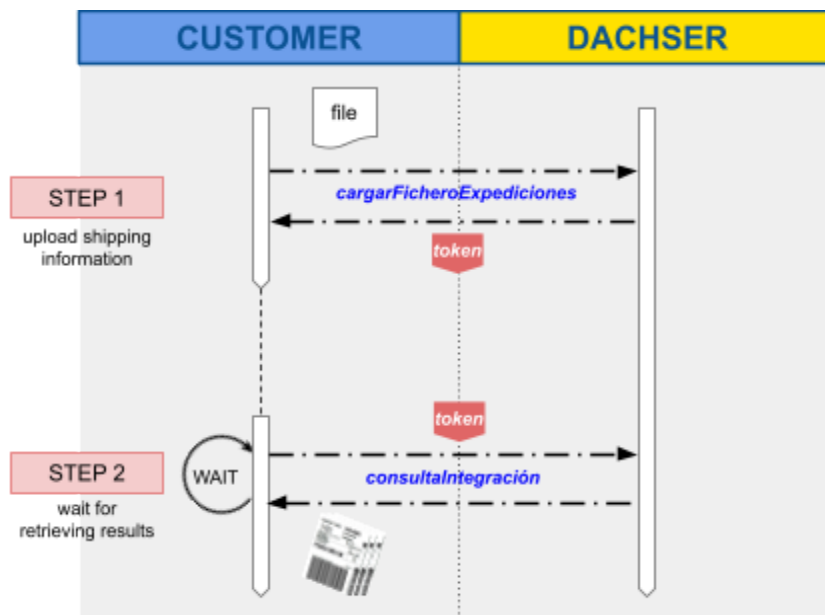
Dachser's Interoperability Services are protected with basic authentication. The username and password are: *User:* INTEROPERABILIDAD
 Password: INTEROPERABILIDAD

Therefore, all requests must include the following header:

```
Authorization: Basic SU5URVJPUEVSQUJJTElEQUQ6SU5URVJPUEVSQUJJTElEQUQ=
```

WS CreacionExpediciones

Description	This WS is an API to generate AidaWEB shipping labels. To make this possible, a prior agreement with Dachser will be necessary on the information to be integrated. In general, the mandatory information will be an unique reference, the full destination address, the weight and the number of packages of each shipment to be transported, but depending on the business agreement, more information could be required.
Preconditions	The use of this web service will require a prior agreement on the information that will be required in each case and how to format it. Please contact your Dachser ITC for further information.
How to use it	After the agreement is made, the customer must develop a SOAP client to operate the web service, The client has to go through 2 steps to get the shipping labels, first upload the information and then get the results (labels). STEP 1 – For the first step, use the upload file operation "cargarFicheroExpediciones". The call must meet the conditions and send the content of a *base64Binary* encoded file to be processed by the system. The result of this call will be a token that will be used to carry out the second step. STEP 2 – The second step will be done by calling the "consultaIntegracion" operation with the previously acquired token. The system will return a result that can be successful, obtaining the required labels in PDF format, an error, which will describe what happened, or a wait signal, which means that the client must request again with the token until the success is returned or error. Alternatively, once the shipments have been uploaded, the customer can delete them from the system one by one, as long as they have not been sent to Dachser using the operation "eliminarExpedicion" Note: Although the uploaded file can have one or more shipments, It is highly recommended to only upload one shipment at time.

Operation : cargarFicheroExpediciones (STEP 1)	
WSDL Source	https://eview.dachser.com/AidaWebServicios/services/CargarFicheroExpedicionesWS?wsdl
Functionality	Uploads information about shipping orders to DACHSER Iberia to be processed in AidaWEB

REQUEST PARAMETERS <arg1>	type	Optional / Conditional / Mandatory	Remarks
usuario	string	M	eView username provided by DACHSER Spain
password	string	M	eView password for the user
clienteEtiqueta	string	M	Customer code for AidaWEB provided by DACHSER Spain
nombreFichero	string	M	FileName
fichero	base64Binary	M	File contents binary Base64 encoded

RESPONSE	type	Remarks
codigoResultado	string	Result Code: 0 if successful, or negative value when error.
descripcionResultado	string	Description of the result code
idPeticion	string	token to be used in STEP 2

Result codes	remarks
0	OK
-1	Required parameters are missing
-2	Wrong login information
-3	Number of calls per minute exceeded.
-4	The user does not have the necessary permisions
-5	The customer code for AidaWEB does not exist.
-6	The user is not associated to the customer code.

Operation : consultaIntegracion

WSDL Source	https://eview.dachser.com/AidaWebServicios/services/ObtencionResultadosWS?wsdl
Functionality	Obtains results of the processing of the information previously loaded with the corresponding labels for its shipment

REQUEST PARAMETERS <arg1>	type	Optional / Conditional / Mandatory	Remarks
usuario	string	M	eView username provided by DACHSER Spain
password	string	M	eView password for the user
clienteEtiqueta	string	M	Customer code for AidaWEB provided by DACHSER Spain
idPeticion	string	M	token obtained in STEP 1

RESPONSE	type	Remarks
codigoResultado	string	Result Code: 0 if successful, or negative value when error.
descripcionResultado	string	Description of the result code
totalLineasProcesadas	integer	Total lines processed
totalBultosIntegrados	integer	Total integrated packages
totalExpedicionesCorrectas	integer	Total correct shipments
totalExpedicionesIntegradas	integer	Total integrated shipments
totalExpedicionesRechazadas	integer	Total rejected shipments
totalLineasErroneas	integer	Total wrong lines
<LineasErroneasVO>		**when any error**
error	string	Error
linea	string	Wrong line
<ExpedicionWSVO>		**One per shipment**
numUnico	string	Unique number assigned to de shipment
referencia	string	Shipment unique reference (customer)
referencia2	string	Second reference if exists
numExpedicion	string	Expedition code
fechaExpedicion	string	Shipment date
Etiquetas	base64Binary	PDF file containing the labels.

Result codes	remarks
0	if Etiquetas does not exist, then WAIT the process to finish and try it again, else OK.
–1	Required parameters are missing
–2	The user does not have the necessary permisions
–3	Wrong login information

−4	Number of calls per minute exceeded.
−5	The user does not have the necessary permisions
−6	The customer code for AidaWEB does not exist.
-7	The user is not associated to the customer code.
−11	The idPeticion does not match any request for this customer code
−12	The user does not have an associated printer. A printer must be configured in AidaWEB for the user.

Operation : eliminarExpedicion	
WSDL Source	https://eview.dachser.com/AidaWebServicios/services/EliminarExpedicionWS?wsdl
Functionality	Deletes a shipment

REQUEST PARAMETERS <arg1>	type	Optional / Conditional / Mandatory	Remarks
usuario	string	M	eView username provided by DACHSER Spain
password	string	M	eView password for the user
clienteEtiqueta	string	M	Customer code for AidaWEB provided by DACHSER Spain
numUnico	string	M	Obtained in STEP 2

RESPONSE	type	Remarks
codigoResultado	string	Result Code: 0 if successful, or negative value when error.
descripcionResultado	string	Description of the result code

Result codes	remarks
0	OK. Shipment has been deleted
−1	Required parameters are missing
−2	Wrong login information
−3	Number of calls per minute exceeded.
−4	The user does not have the necessary permisions
−5	The customer code for AidaWEB does not exist.
−6	The user is not associated to the customer code.
-7	There is no shipment with the requested numUnico
−8	Shipment is already processed to Dachser TMS.