


## **Client WebService - Prosegur**


**v 6.0**

**August 2016**

	Prosegur	Version: 6.0
	Client Web Service	Date: 10/08/2016


## History

Date	Version	Description
11-03-2016	1.0	First release.
31-03-2016	2.0	Second release.
26-04-2016	3.0	Third release.
05-05-2016	4.0	Error Codes
27-06-2016	5.0	Changes in WS Response
10-08-2016	6.0	Added Technical requirements

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## 1. General description

This document describes the Prosegur Client Web Service that allows notify transactions to the customer.

## 2. Technical requirements


This point describes the Prosegur Client Web Service technical requirements, specifically protocol and security.

### 2.1. Protocol

- The Prosegur Client Web Service **only Works with SOAP Protocol**.
- **REST** Web Service Client **is not configured**.

### 2.2. Security

- The Prosegur Client Web Service **is configured to allow SSL Security Protocol**. For implement it must provide a certificate (.cer) will be added to the Prosegur's certificates folder.
- **Basic Authentication or WSS protocol** ( Username Token) **is not allowed** for Prosegur Client Web Service.

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### 3. Interface summary


The request message includes all the information needed by the client to identify the transaction.

The message is structured in four elements.

- *Device*
- *Client*
- *Transaction*
- *AdditionalData*

The response element includes a main field that indicates the result of the request and two additional elements:

- *ErrorData*
- *AdditionalData*


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### 3.1. Request

Schema			
<pre> &lt;xs:element name="CashTransactionRequest"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="Device"/&gt;       &lt;xs:element ref="Client"/&gt;       &lt;xs:element ref="Transaction" maxOccurs="unbounded"/&gt;       &lt;xs:element ref="AdditionalData" minOccurs="0"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>			
Element Name	Card.	Type	Description
Device	{1,1}	complex	Device information
Client	{1,1}	complex	Client information
Transaction	{1,unb}	complex	Transaction done in the device
AdditionalData	{0,1}	complex	Optional list of pairs field-value

#### 3.1.1. Element Device

Schema			
<pre> &lt;xs:element name="Device"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="CountryId" type="xs:string" /&gt;       &lt;xs:element name="TimeZone" type="xs:string" /&gt;       &lt;xs:element name="Delegation" type="xs:string" /&gt;       &lt;xs:element name="DeviceId" type="xs:string" /&gt;       &lt;xs:element name="DeviceName" type="xs:string" minOccurs="0" /&gt;       &lt;xs:element name="DeviceType" type="xs:string" minOccurs="0" /&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>			
Element Name	Card.	Type	Description
CountryId	{1,1}	string	Country identification, ISO 3166-1 two-letter country code.

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TimeZone	{1,1}	string	GMT Time zone where the device is located.
Delegation	{1,1}	string	Delegation of the device.
DeviceId	{1,1}	string	Numeric code that uniquely identifies the device.
DeviceName	{0,1}	string	Name of the device.
DeviceType	{0,1}	string	Type of the device. (ACCEPTOR or RECYCLER)

### 3.1.2. Element *Client*

Schema			
<pre> &lt;xs:element name="Client"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="Customer" type="xs:string" /&gt;       &lt;xs:element name="Teller" type="xs:string" /&gt;       &lt;xs:element name="TellerName" type="xs:string" minOccurs="0" /&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>			
Element Name	Card.	Type	Description
Customer	{1,1}	string	Customer Name associated with the device.
Teller	{1,1}	string	Login of the user who has carried out the transaction.
TellerName	{0,1}	string	Name of the user who has carried out the transaction.

### 3.1.3. Element *Transaction*

Schema			
<pre> &lt;xs:element name="Transaction"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="TransType" type="tType" /&gt;       &lt;xs:element name="TransactionId" type="xs:string" /&gt;       &lt;xs:element name="ReceiptNumber" type="xs:string" minOccurs="0" /&gt;       &lt;xs:element name="Date" type="xs:string" /&gt;       &lt;xs:element name="Time" type="xs:string" /&gt;       &lt;xs:element name="Totals" maxOccurs="unbounded"&gt;         &lt;xs:complexType&gt;           &lt;xs:sequence maxOccurs="unbounded"&gt; </pre>			

```

<xs:element name="Total">
  <xs:complexType>
    <xs:attribute name="Amount" type="xs:long" />
    <xs:attribute name="Currency" type="xs:string" />
  </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="TransUnits" maxOccurs="unbounded">
  <xs:complexType>
    <xs:sequence maxOccurs="unbounded">
      <xs:element name="Mix">
        <xs:complexType>
          <xs:attribute name="BarCode" type="xs:string" />
          <xs:attribute name="Currency" type="xs:string" />
          <xs:attribute name="Denomination" type="xs:string" />
          <xs:attribute name="NumItems" type="xs:int" />
          <xs:attribute name="Total" type="xs:long" />
          <xs:attribute name="Type" type="unitType" />
        </xs:complexType>
      </xs:element>
    </xs:sequence>
    <xs:attribute name="Boxname" type="boxType" />
  </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>


```

Element Name	Card.	Type	Description
TransType	{1,1}	tType	Identifies the transaction type. (CASHIN, CASHOUT, SHIPIN, SHIPOUT, MOVEIN, MOVEOUT, BBALANCE, EBALANCE)
TransactionId	{1,1}	string	Unique transaction identifier. Format yyyyMMddHHmmss_DeviceId_TransType
ReceiptNumber	{0,1}	string	Receipt number generated by the device
Date	{1,1}	string	Transaction date. Format dd/MM/yyyy
Time	{1,1}	string	Transaction time. Format HH:mm:ss
TransUnits	{1,unb}	TransUnits	Transaction detail.

○ **Element Totals**

Attribute Name	Card.	Type	Description
Total	{1,unb}	complex	List of total amounts by currency



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#### ○ Element **Total**

Attribute Name	Card.	Type	Description
Amount	{1,1}	long	Total amount of the transaction for the currency.
Currency	{1,1}	string	Transaction currency identified by ISO 4217 code with 3 characters.

#### ○ Element **TransUnits**


Attribute Name	Card.	Type	Description
Boxname	{0,1}	boxType	Name of the box unit. (COINACCEPTOR, COINDISPENSER, NOTEDISPENSER, NOTEACCEPTOR, DROPSAFE, TRANSPORTBOX, NOTESREJECTED, COINRECYCLER, NOTERECYCLER, CARDREADER, CHECKREADER)
Mix	{1,unb}	complex	List of transaction item details

#### ○ Element **Mix**

Attribute Name	Card.	Type	Description
BarCode	{0,1}	string	Bag barcode in dropsafe deposits.
Currency	{0,1}	string	Transaction currency identified by ISO 4217 code with 3 characters.
Denomination	{0,1}	string	Denomination Value
NumItems	{0,1}	int	Number of items of a denomination.
Total	{0,1}	long	Transaction amount.
Type	{0,1}	unitType	Item type (AGGR, NOTE, COIN, CARD, CHECK)

### 3.1.4. Element **AdditionalData**

Schema
<pre> &lt;xs:element name="AdditionalData"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:element name="Data"/&gt;       &lt;xs:complexType&gt;         &lt;xs:sequence&gt;           &lt;xs:element name="Field" type="xs:string" /&gt;           &lt;xs:element name="Value" type="xs:string" /&gt;         &lt;/xs:sequence&gt;       &lt;/xs:complexType&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>

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<pre> &lt;/xs:complexType&gt; &lt;/xs:element&gt; &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>			
Element Name	Card.	Type	Description
Data	{0,unb}	complex	Optional list of pairs Field-Value

#### ○ Element *Data*


Element Name	Card.	Type	Description
Field	{1,1}	string	Field name.
Value	{1,1}	string	Field value.

## 3.2. Response

Schema			
<pre> &lt;xs:element name="CashTransactionResponse"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="Result" type="resultType" minOccurs="1" /&gt;       &lt;xs:element ref="ErrorData" minOccurs="0"/&gt;       &lt;xs:element ref="AdditionalData" minOccurs="0"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>			
Element Name	Card.	Type	Description
Result	{1,1}	resultType	Result (0, E1001, E2001)
ErrorData	{0,1}	complex	Optional list of pairs ErrorCode-ErrorDescription
AdditionalData	{0,1}	complex	Optional list of pairs Field-Value

### 3.2.1. Element *ErrorData*

Schema
<pre> &lt;xs:element name="ErrorData"&gt; </pre>

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```

<xs:complexType>
  <xs:sequence minOccurs="0" maxOccurs="unbounded">
    <xs:element name="Error"/>
    <xs:complexType>
      <xs:sequence>
        <xs:element name="ErrorCode" type="xs:string" />
        <xs:element name="ErrorDescription" type="xs:string" />
      </xs:sequence>
    </xs:complexType>
  </xs:sequence>
</xs:complexType>
</xs:element>

```


Element Name	Card.	Type	Description
Error	{0,unb}	complex	Optional list of pairs ErrorCode-ErrorDescription

#### ○ Element **Error**

Element Name	Card.	Type	Description
ErrorCode	{1,1}	string	Error code. <ul style="list-style-type: none"> <li>E1100 – E1199 (Reserved) Technical error</li> <li>E1200 – E1299 Custom Technical error</li> <li>E2100 – E2199 (Reserved) Functional error</li> <li>E1200 – E1299 Custom Functional error</li> </ul>
ErrorDescription	{1,1}	string	Error description.

#### ○ Reserved Error Codes

ErrorCode	Error Type	ErrorDescription
E1101	E1001 - Technical error	Internal Error
E1102	E1001 - Technical error	Unexpected Message
E2101	E2001 - Functional error	Duplicated TransactionId
E2102	E2001 - Functional error	DeviceId Not Found
E2103	E2001 - Functional error	Unsupported TransType

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### 3.2.2. Element *AdditionalData*


Schema			
<pre> &lt;xs:element name="AdditionalData"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:element name="Data"/&gt;       &lt;xs:complexType&gt;         &lt;xs:sequence&gt;           &lt;xs:element name="Field" type="xs:string" /&gt;           &lt;xs:element name="Value" type="xs:string" /&gt;         &lt;/xs:sequence&gt;       &lt;/xs:complexType&gt;     &lt;/xs:element&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>			
Element Name	Card.	Type	Description
Data	{0,unb}	complex	Optional list of pairs Field-Value

#### ○ Element *Data*

Element Name	Card.	Type	Description
Field	{1,1}	string	Field name.
Value	{1,1}	string	Field value.

### 3.3. Errors

Code	Description
E1001	Technical error.
E2001	Functional error.

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3.4. WDSL



WSDL\_Prosegur\_CTr  
ansaction.zip

3.5. Examples



WDSL Examples.zip