



**MASTER  
STRATEGY**  
CLOUD SOLUTIONS

**TECHNICAL DOCUMENTATION**  
**API – APPLICATION PROGRAMMING INTERFACE**  
MASTERWAY SOFTWARE



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## WHAT IS THE API AND HOW IT WORKS?

---

The API offers a number of operations invoked by an external system, such as sending business documents, accounting documents, showing the list of customers, among others. For this it is necessary that the external system has developed the same means of communication to send and receive data from the platform. Communication between the Masterway API and the External System is done through sending and replying to the XML files.

The communication is carried out through CURL or SOAP to the WSDL address: **<https://app.masterway.net/?action=apisoap&wsdl>**

### Example of Communication in PHP with SOAP:

```
$url = https://app.masterway.net/?action=apisoap&wsdl;
$xml = FicheiroEnvio.xml;

$client = new nusoap_client($url);
$result = $client->call('ComercialDocs', array('parameter'=>$xml));
```

### Example of Communication in PHP with CURL:

```
$url = https://app.masterway.net/?action=apisoap&wsdl;
$linkfile = FicheiroEnvio.xml;
$xml = file_get_contents($linkfile);

$xml_post_string =
'<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <AccountingDocs> // FUNCTION TO CALL
      '.utf8_encode($xml).'
    </AccountingDocs>
  </soap:Body>
```

```

</soap:Envelope>';

$headers = array(
    "Content-type: text/xml;charset=\"utf-8\"",
    "Accept: text/xml",
    "Cache-Control: no-cache",
    "Pragma: no-cache",
    "SOAPAction: ",
    "Content-length: ".strlen($xml_post_string),
);

$ch = curl_init();
curl_setopt($ch, CURLOPT_SSL_VERIFYPEER, 0);
curl_setopt($ch, CURLOPT_URL, $url);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HTTPAUTH, CURLAUTH_ANY);
curl_setopt($ch, CURLOPT_TIMEOUT, 5000);
curl_setopt($ch, CURLOPT_POST, true);
curl_setopt($ch, CURLOPT_POSTFIELDS, $xml_post_string);
curl_setopt($ch, CURLOPT_HTTPHEADER, $headers);
$result = curl_exec($ch);

```

## WHAT IS THE API KEY?

---

To generate a **Key API**, you will need to go to **Admin -> Platform -> Users**.

In the API tab you will notice that you have one field named **API Key** and another named **API Secret**. The **API Key** field is locked, you will need to fill the **API Secret** field with whatever you want, and it is the field that generates an **API Key**.

Once completed, pressing the "**Generate API Key**" button will immediately appear an **API Key** in the previously locked field.

Finally, you'll need to place this **API Key** in the **xml** request, as you can see in the example below.

```

<Header>
<APIKey>xxxxxx</APIKey>
<APISecret>123445<APISecret>
</Header>

```

## WHAT IS API KEY FOR?

---

To be communicated with **API** it is necessary to generate a **KEY API** based on a password (**APISecret**) chosen by the user on the platform. The **API key** is a **non-transferable, encrypted string** that uniquely identifies the user when the user is authenticating on the system. The **API Secret** is not recorded in the system, we advise that it be saved by the user. In case you forget, you will need to regenerate a new **API Secret**.

## ADDRESS PARAMETERS [GET]

---

- When the `testmode=true;`

Invoking the `testmode` parameter **all instructions sent to the webservice** will be run in simulation **environment**. The Simulation Environment **returns and tests** as if it were reality, but nothing is saved in the **system**.

Example:

```
$url = https://app.masterway.net/?action=apisoap&wsdl&testmode=true;
```

- Answer (WSDL Object)

The API **processes all information** from the sending file and returns an **array/object** specified in the WSDL:

```
[Errors]
    {
        [Reference]
        [Msg]
    }

[Imports]
    {
        [Reference]
        [CompanyCode]
        [Year]
        [DocumentType]
        [Serie]
        [Journal]
        [DocumentNumber]
    }

[Confirmation]
    {
        [Reference]
        [CompanyCode]
        [Year]
        [Journal]
        [DocumentNumber]
    }

[Information]
    {
        [Reference]
        [Msg]
    }
```

**Errors** - The *Errors* object tells you in detail **which errors** have been triggered so that none of the operations that are poorly structured are performed successfully.

- Reference – Document reference;
- Msg – Error message.

**Imports** - the *Imports* object returns the information that **was imported** into the platform.

- Reference – Document reference;
- CompanyCode –Company code;
- Year – Year/exercise;
- DocumentType – Document type;
  
- Serie – Billing series;
- Journal – Accounting journal;
- DocumentNumber – Document number.

**Confirmation** - the *Confirmation* object returns the **confirmation** that a **particular document** has been subjected to a particular **action/function**.

- Reference – Document reference;
- CompanyCode –Company code;
- Year – Year/Exercise;
- DocumentNumber – Document number.

**Information** - the *Information* object has additional **information** when invoking a particular **action/function**.

- Reference – Document reference;
- Msg – Error message.

# FUNCTIONS

---

## ComercialDocs

Invoking the **CommercialDocs** function, the API enables the creation of **comercial documents** if entities and products are not open in the system will be opened **automatically**. All documents that are contained in the tag **<Comercial>** in the submission file are handled by the system.

- Invoice-Receipt (FR\_V):

```
<APIData>
  <Header>
    <APIKey>xxx</APIKey>
    <APISecret>12345</APISecret>
  </Header>
  < Comercial>
    <FR_V>
      <Document>
        <CompanyCode>2</CompanyCode>
        <Serie>G</Serie>
        <DocumentDate>2018-07-10</DocumentDate>
        <Entity>
          <EntityCode>CF</EntityCode>
          <EntityName>Entity Name TEST</EntityName>
          <EntityTypeCode>CN</EntityTypeCode>
          <TaxID>999999990</TaxID>
          <Country>PT</Country>
          <Classification>CF</Classification>
          <VATType>PT</VATType>
        </Entity>
        <Address>
          <AddressDetail/>
          <City/>
          <PostalCode/>
          <Country>PT</Country>
          <ContactName/>
          <Phone/>
          <Fax/>
          <Email/>
        </Address>
        <Currency>EUR</Currency>
        <Observations/>
        <PaymentMethod>CD</PaymentMethod>
        <Bank>código da conta bancária se o paymentMethod for CD, CC ou
TB</Bank>
          <CashRegister>se o paymentMethod for NU, colocar código da
caixa</CashRegister>
        <SendEmail>>true (caso queira enviar a fatura por email)</SendEmail>
        <NotificationEmail>abc@gmail.com</NotificationEmail>
      </FR_V>
    </Comercial>
  </APIData>
```

```

    <Lines>
      <ProductLine>
        <LineNumber>1</LineNumber>
        <ProductCode>p1</ProductCode>
        <ProductType>P</ProductType>
        <ProductInventoryType>T</ProductInventoryType>
        <ProductDescription>Open Jump</ProductDescription>
        <Quantity>5</Quantity>
        <UnitOfMeasure>UN</UnitOfMeasure>
        <UnitPrice>10.00</UnitPrice>
        <Discount>0.000</Discount>
        <Tax>
          <TaxCode>NOR</TaxCode>
          <TaxRegion>PT</TaxRegion>
          <ExemptionReasonCode>se for isento colocar
código</ExemptionReasonCode>
        </Tax>
      </ProductLine>
    </Lines>
  </Document>
</FR_V>
</Comercial>
</APIData>

```

## Information about the fields (FR\_V)

Tag XML	Previous Tag	Mandatory	Type	Notes
<b>APIData</b>		Yes	Tag	
<b>Header</b>	APIData	Yes	Tag	
<b>APIKey</b>	Header	Yes	String	
<b>APISecret</b>	APIKey	Yes	String	
<b>Comercial</b>	Header	X	Tag	Required if the CommercialDocs method is invoked.
<b>FR_V</b>	Comercial	X	Tag	Required if you want to create a invoice receipt.
<b>Document</b>	FR_V	Yes	Tag	The tag repeats depending on the documents you want to insert.
<b>CompanyCode</b>	Document	Yes	String	Company code in the system.
<b>Serie</b>	CompanyCode	Yes	String	Document series.
<b>DocumentDate</b>	Serie	Yes	Data	Document date.
<b>Entity</b>	DocumentDate	Yes	Tag	Tag where the entity is defined.
<b>EntityCode</b>	Entity	Yes	String	Entity code in the system.
<b>EntityName</b>	EntityCode	Yes	String	Entity name. Required if the entity does not already exist in the system.
<b>EntityTypeCode</b>	EntityName	Yes	String	Entity type code (CN or F or any other created by you).
<b>TaxID</b>	EntityTypeCode	X	Number	Entity's NIF. Required if the entity does not already exist in the system.
<b>Country</b>	TaxID	X	String	Country of the entity. Required if the entity does not exist in the system.
<b>Classification</b>	Country	X	String	<b>CF</b> (Final Consumer) or <b>E</b> (Company). Required if it does not exist in the system.



<b>VATType</b>	Classification	X	String	IVA framework. Mandatory if it does not already exist in the system. <b>I</b> (Intra-Community) <b>NS</b> (Not subject to VAT) <b>PAIS-TER</b> (Third Country) <b>PT</b> (Mainland Portugal) <b>PT-AC</b> (Portugal Azores) <b>PT-MA</b> (Portugal Madeira).
<b>CopiesNumber</b>	VATType	X	Int	Number of copies for printing
<b>NumDocSource</b>	CopiesNumber	X	Int	Source document number
<b>DateDocSource</b>	NumDocSource	X	Date	Source document date
<b>Address</b>	DateDocSource	Yes	Tag	Tag where you will be the address information.
<b>AddressDetail</b>	Address	Yes	String	Billing Address
<b>City</b>	AddressDetail	Yes	String	Locale.
<b>PostalCode</b>	City	Yes	CodPostal	Zip Code.
<b>Country</b>	PostalCode	Yes	String	Country.
<b>ContactNome</b>	Country	X	String	Name to be assigned to the address.
<b>Phone</b>	ContactNome	X	String	Phone contact to be assigned to the address.
<b>Fax</b>	Phone	X	String	Fax to be assigned to the entity.
<b>Currency</b>	Fax	Yes	String	Document Currency.
<b>Observations</b>	Currency	X	String	Document Notes.
<b>PaymentMethod</b>	Observations	X	Tag	Payment method. Required if it is an invoice-receipt. <b>TB</b> (Bank Transfer) <b>NU</b> (Cash) <b>MB</b> (References for PAYMENT ATM) <b>CH</b> (Bank Check) <b>CD</b> (Debit Card) <b>CC</b> (Credit Card).
<b>Amount</b>	PaymentMethod	X	Int	Amount.
<b>Bank</b>	Amount	X	String	Bank account. Required if the payment method is CC, CD, TB or MB. Place the system code of the cashier.
<b>CashRegister</b>	Bank	X	String	Cash Register. Required if the payment method is NU(Cash). Place the cash system code.
<b>SendEmail</b>	CashRegister	X	Boleean	Required if you want to send the document by email. Place <i>true</i> inside the tag.
<b>MaturityCode</b>	SendEmail	X	String	Payment deadline code
<b>NotificationEmail</b>	MaturityCode	X	String	Required if you want to email. Place the email.
<b>Lines</b>	NotificationEmail	Yes	Tag	Tag, where you will place the product lines and line of text.
<b>ProductLine</b>	Lines	Yes	String	Tag, where you will place the product line. It can be repeated as many times as you want. Each line for a different product.
<b>Line Number</b>	ProductLine	Yes	Number	Line Number.
<b>ProductCode</b>	LineNumber	Yes	String	Product Code.
<b>ProductType</b>	ProductCode	X	String	Type of product. Required if the product is not yet inserted into the system. <b>I</b> (Tax) <b>S</b> (Service) <b>P</b> (Product) <b>O</b> (Other).
<b>ProductDescription</b>	ProductType	Yes	String	Product Description
<b>ProductCost</b>	ProductDescription	X	Number	Cost Price

<b>ProductInventoryType</b>	ProductCost	X	String	Inventory type. Required if the product is not yet inserted into the system. <b>A</b> (Finished and intermediate products) <b>M</b> (Goods) <b>P</b> (Raw materials and consumption) <b>S</b> (By-products and waste) <b>T</b> (Products and work in progress).
<b>ProductDescription</b>	ProductInventoryType	Yes	String	Product Description.
<b>Quantity</b>	ProductDescription	Yes	Number	Amount. Numeric field.
<b>UnitOfMesure</b>	Quantity	Yes	String	Unit of Measure code. Required if the product is not yet in system.
<b>UnitPrice</b>	UnitOfMesure	Yes	Number	Unit Price. Numeric Field
<b>Warehouse</b>	UnitPrice	X	String	Warehouse code
<b>Location</b>	Warehouse	X	String	Location code
<b>Lot</b>	Location	X	String	Lot code
<b>Discount</b>	Lot	Yes	Number	Discount to apply to the product line. Numeric value for percentage.
<b>Tax</b>	Discount	Yes	Tag	Tag where you will place the IVA of the product line.
<b>TaxCode</b>	Tax	Yes	String	IVA Code. <b>INT</b> (Intermediate) <b>NOR</b> (Normal) <b>RED</b> (Reduced) <b>NS</b> (Exempt) <b>ISE</b> (Exempt) <b>IS</b> (Stamp Duty).
<b>TaxRegion</b>	TaxCode	Yes	String	IVA's region. <b>EN</b> (Mainland Portugal) <b>PT-AC</b> (Autonomous Region of the Azores) <b>PT-MA</b> (Autonomous Region of Madeira).
<b>TaxPercentage</b>	TaxRegion	X	Number	Tax Vat
<b>ExemptionReasonCode</b>	TaxRegion	X	String	Grounds for exemption. Mandatory if IVA is ISE.
<b>Transport</b>	ExemptionReasonCode	X	Tag	
<b>Address</b>	Transport	X	Tag	
<b>AddressDetail</b>	Address	X	String	Home address
<b>City</b>	AddressDetail	X	String	City
<b>PostalCode</b>	City	X	String	Postal Code
<b>Country</b>	PostalCode	X	String	Country code
<b>ContacName</b>	Country	X	String	Source Contact
<b>Email</b>	ContactName	X	String	Email
<b>Phone</b>	Email	X	String	Cell Number
<b>Fax</b>	Phone	X	Int	Fax Number
<b>StartDate</b>	Fax	X	Date	Start Date (format: YYYY-MM-DD)
<b>StartDate</b>	StartDate	X	Date	Start time (format: hh:mm:ss)
<b>EndDate</b>	StartDate	X	Date	End Date (format: YYYY-MM-DD)
<b>EndDate</b>	EndDate	X	Date	End time (format: hh:mm:ss)

- **By doing what is above, you can acquire:**

```
<ns1:ComercialDocsResponse xmlns:ns1="http://schemas.xmlsoap.org/soap/envelope/">
  <return>
    <Imports>
      <item>
        <Reference>MSFT_V2020UU1SXZC01</Reference>
        <CompanyCode>MS</CompanyCode>
        <DocumentType>FR_V</DocumentType>
        <Serie>2020</Serie>
        <DocumentNumber>94</DocumentNumber>
        <DocumentOrder>1</DocumentOrder>
      </item>
    </Imports>
  </return>
</ns1:ComercialDocsResponse>
```

- Sales Invoice (FT\_V):

```
<APIData>
  <Header>
    <APIKey>xxx</APIKey>
    <APISecret>123</APISecret>
  </Header>
  <Comercial>
    <FT_V>
      <Document>
        <Reference></Reference>
        <CompanyCode>MS</CompanyCode>
        <Serie>2018</Serie>
        <DocumentDate>2018-07-27</DocumentDate>
        <Entity>
          <EntityCode>45</EntityCode>
          <EntityName>Entity Name TEST</EntityName>
          <EntityTypeCode>CN</EntityTypeCode>
          <TaxID>323456789</TaxID>
          <Country>PT</Country>
          <Classification>CF</Classification>
          <VATType>PT</VATType>
        </Entity>
        <Address>
          <AddressDetail></AddressDetail>
          <City></City>
          <PostalCode></PostalCode>
          <Country></Country>
          <ContactName />
          <Phone />
          <Fax />
          <Email />
        </Address>
        <Currency>EUR</Currency>
        <Observations />
        <Lines>
          <ProductLine>
            <LineNumber>1</LineNumber>
            <ProductCode>S1</ProductCode>
            <ProductType>S</ProductType>
            <ProductInventoryType />
            <ProductDescription>Service 1</ProductDescription>
            <Quantity>1</Quantity>
            <UnitOfMeasure>AK</UnitOfMeasure>
            <UnitPrice>100</UnitPrice>
            <Discount />
            <Tax>
              <TaxCode>NOR</TaxCode>
              <TaxRegion>PT</TaxRegion>
              <ExemptionReasonCode />
            </Tax>
          </ProductLine>
          <TextLine>
            <LineNumber>2</LineNumber>
            <Text>Text Line</Text>
          </TextLine>
        </Lines>
      </Document>
    </FT_V>
  </Comercial>
</APIData>
```

## Information about the fields (FT\_V)

Tag XML	Tag Anterior	Obrigatórios	Tipo	Notas
<b>APIData</b>		Yes	Tag	
<b>Header</b>	APIData	Yes	Tag	
<b>APIKey</b>	Header	Yes	String	
<b>APISecret</b>	APIKey	Yes	String	
<b>Comercial</b>	Header	X	Tag	Required if the CommercialDocs method is invoked.
<b>FT_V</b>	Comercial	X	Tag	Required if you want to create a sales invoice.
<b>Document</b>	FR_V	Yes	Tag	The tag repeats depending on the documents you want to insert.
<b>Reference</b>	Document		String	Document reference.
<b>CompanyCode</b>	Reference	Yes	String	Company code in the system
<b>Serie</b>	CompanyCode	Yes	Data	Document series.
<b>DocumentDate</b>	Serie	Yes	Tag	Document date
<b>EntityCode</b>	Entity	Yes	String	Entity code in the system
<b>EntityName</b>	EntityCode	Yes	String	Entity name. Required if the entity does not already exist in the system.
<b>EntityTypeCode</b>	EntityName	Yes	String	Entity type code (CN, F or other created by you).
<b>TaxID</b>	EntityTypeCode	X	Number	Entity's NIF. Required if the entity does not already exist in the system.
<b>Country</b>	TaxID	X	String	Country of the entity. Required if the entity does not exist in the system.
<b>Classification</b>	Country	X	String	<b>CF</b> (Final Consumer) or <b>E</b> (Company). Required if it does not exist in the system.
<b>VATType</b>	Classification	X	String	IVA framework. Mandatory if it doesn't already exist in the system. <b>I</b> (Intra-Community) <b>NS</b> (Not subject to VAT) <b>PAIS-TER</b> (Third Country) <b>PT</b> (Mainland Portugal) <b>PT-AC</b> (Portugal Azores) <b>PT-MA</b> (Portugal Madeira).
<b>Address</b>	Email	Yes	Tag	Tag where you will be the address information.
<b>AddressDetail</b>	Address	Yes	String	Billing Address.
<b>City</b>	AddressDetail	Yes	String	Locale.
<b>PostalCode</b>	City	Yes	CodPostal	Zip Code.
<b>Country</b>	PostalCode	Yes	String	Country.
<b>ContactName</b>	Country	X	String	Name to be assigned to

				the address.
<b>Phone</b>	ContactName	X	String	Phone contact to be assigned to the address.
<b>Fax</b>	Phone	X	String	Fax to be assigned to the entity.
<b>Email</b>	Fax	X	String	Email.
<b>Currency</b>	Address	Yes	String	Document Currency.
<b>Observations</b>	Currency	X	String	Document Notes.
<b>Lines</b>	Observations	Yes	Tag	
<b>ProductLine</b>	Lines	Yes	Tag	
<b>LineNumber</b>	ProductLine	Yes	Number	Line Number.
<b>ProductCode</b>	LineNumber	Yes	String	Product Code.
<b>ProductType</b>	ProductCode	X	String	Type of product. Required if the product is not yet inserted into the system. <b>I</b> (Tax) <b>S</b> (Service) <b>P</b> (Product) <b>O</b> (Other).
<b>ProductInventoryType</b>	ProductType	X	String	Inventory type. Required if the product is not yet inserted into the system. <b>A</b> (Finished and intermediate products) <b>M</b> (Goods) <b>P</b> (Raw materials and consumption) <b>S</b> (By-products and waste) <b>T</b> (Products and work in progress).
<b>ProductDescription</b>	ProductInventoryType	Yes	String	Product Description.
<b>Quantity</b>	ProductDescription	Yes	Number	Amount. Numeric field.
<b>UnitOfMeasure</b>	Quantity	Yes	String	Unit of Measure code. Required if the product is not yet in system.
<b>UnitPrice</b>	UnitOfMeasure	Yes	Number	Unit Price. Numeric Field
<b>Discount</b>	UnitPrice	X	Number	Discount to apply to the product line. Numeric value for percentage.
<b>Tax</b>	Discount	Yes	Tag	Tag where you will place the IVA of the product line.
<b>TaxCode</b>	Tax	Yes	String	IVA Code. <b>INT</b> (Intermediate) <b>NOR</b> (Normal) <b>RED</b> (Reduced) <b>NS</b> (Exempt) <b>ISE</b> (Exempt) <b>IS</b> (Stamp Duty).
<b>TaxRegion</b>	TaxCode	Yes	String	IVA's region. <b>EN</b> (Mainland Portugal) <b>PT-AC</b> (Autonomous Region of the Azores) <b>PT-MA</b> (Autonomous Region of Madeira).
<b>ExemptionReasonCode</b>	TaxRegion	X	String	Grounds for exemption. Mandatory if IVA is ISE.
<b>Text</b>	LineNumber	X	String	Line of text referring to the product line.

If you want to create a buy **Fatura (FT\_C)**, just replace the tag `<FT_V>` by tag `<FT_C>`. The other tags remain the same.

Using this structure, you can also create **Sales and Purchase Orders (ENC\_V and ENC\_C)** respectively, **Sales and Purchase Consignment Invoices (FC\_V and FC\_C)** respectively, and **Pro-Form Sales Invoices (FPF\_V)**. The only thing you need to change is the tag for the document.

- Credit Note (NC\_V):

```
<APIData>
  <Header>
    <APIKey>xxx</APIKey>
    <APISecret>123</APISecret>
  </Header>
  <Comercial>
    <NC_V>
      <Document>
        <Reference></Reference>
        <CompanyCode>MS</CompanyCode>
        <Serie>2017</Serie>
        <DocumentDate>2018-02-02</DocumentDate>
        <Entity>
          <EntityCode>E76546</EntityCode>
          <EntityName>Entity Name TEST</EntityName>
          <EntityTypeCode>CN</EntityTypeCode>
          <TaxID>509931499</TaxID>
          <Country>PT</Country>
          <Classification>E</Classification>
          <VATType>PT</VATType>
        </Entity>
        <Address>
          <AddressDetail>Rua Álvaro Pires de Miranda</AddressDetail>
          <City>Évora</City>
          <PostalCode>9999-999</PostalCode>
          <Country>PT</Country>
          <ContactName />
          <Phone />
          <Fax />
          <Email />
        </Address>
        <Currency>EUR</Currency>
        <Observations />
        <Lines>
          <ProductLine>
            <LineNumber>1</LineNumber>
            <ProductCode>S1</ProductCode>
            <ProductType>S</ProductType>
            <ProductInventoryType />
            <ProductDescription>Service 1</ProductDescription>
            <Quantity>1</Quantity>
            <UnitOfMeasure>AK</UnitOfMeasure>
            <UnitPrice>100</UnitPrice>
            <Discount />
            <Tax>
              <TaxCode>NOR</TaxCode>
              <TaxRegion>PT</TaxRegion>
              <ExemptionReasonCode />
            </Tax>
            <DocumentLink>
              <DocumentCode>FT_V</DocumentCode>
              <Serie>2017</Serie>
              <DocumentNumber>1702</DocumentNumber>
              <LineRef>1</LineRef>
            </DocumentLink>
          </ProductLine>
        </Lines>
      </Document>
    </NC_V>
  </Comercial>
</APIData>
```

## Information about the fields (NC\_V)

Tag XML	Tag Anterior	Obrigatórios	Tipo	Notas
<b>APIData</b>		Yes	Tag	
<b>Header</b>	APIData	Yes	Tag	
<b>APIKey</b>	Header	Yes	String	
<b>APISecret</b>	APIKey	Yes	String	
<b>Comercial</b>	Header	X	Tag	Required if the CommercialDocs method is invoked.
<b>NC_V</b>	Comercial	X	Tag	Required if you want to create a credit note.
<b>Document</b>	NC_V	X	Tag	The tag repeats depending on the documents you want to insert.
<b>Reference</b>	Document	X	String	Document reference.
<b>CompanyCode</b>	Reference	Yes	String	Company code in the system.
<b>Serie</b>	CompanyCode	Yes	Data	Document series.
<b>DocumentDate</b>	Serie	Yes	Tag	Document date.
<b>Entity</b>	DocumentDate	Yes	Tag	Tag where the entity is defined.
<b>EntityCode</b>	Entity	Yes	String	Entity code in the system.
<b>EntityName</b>	EntityCode	Yes	String	Entity name. Required if the entity does not already exist in the system.
<b>EntityTypeCode</b>	EntityName	Yes	String	Entity type code (CN or F or any other created by you).
<b>TaxID</b>	EntityTypeCode	X	Number	Entity's NIF. Required if the entity does not already exist in the system.
<b>Country</b>	TaxID	X	String	Country of the entity. Required if the entity does not exist in the system.
<b>Classification</b>	Country	X	String	<b>CF</b> (Final Consumer) or <b>E</b> (Company). Required if it does not exist in the system.
<b>VATType</b>	Classification	X	String	IVA framework. Mandatory if it does not already exist in the system. <b>I</b> (Intra-Community) <b>NS</b> (Not subject to VAT) <b>PAIS-TER</b> (Third Country) <b>PT</b> (Mainland Portugal) <b>PT-AC</b> (Portugal Azores) <b>PT-MA</b> (Portugal Madeira).



<b>Address</b>	VATType	Yes	Tag	Tag where you will be the address information.
<b>AddressDetail</b>	Address	Yes	Tag	Billing Address.
<b>City</b>	AddressDetail	Yes	String	Locale.
<b>PostalCode</b>	City	Yes	CodPostal	Zip Code.
<b>Country</b>	PostalCode	Yes	String	Country.
<b>ContactName</b>	Country	X	String	Name to be assigned to the address.
<b>Phone</b>	ContactName	X	String	Phone contact to be assigned to the address.
<b>Fax</b>	Phone	X	String	Fax to be assigned to the entity.
<b>Email</b>	Fax	X	String	Email.
<b>Currency</b>	Address	Yes	String	Document Currency.
<b>Observation</b>	Currency	X	String	Document Notes.
<b>Lines</b>	Observation	Yes	Tag	Tag, where you will place the product lines and line of text.
<b>ProductLine</b>	Lines	Yes	Tag	Tag where you will place the product line. It can be repeated as many times as you want. Each line for a different product.
<b>LineNumber1</b>	ProductLine	Yes	Number	Line Number 1.
<b>ProductCode</b>	LineNumber1	Yes	String	Product Code.
<b>ProductType</b>	ProductCode	X	String	Type of product. Required if the product is not yet inserted into the system. <b>I</b> (Tax) <b>S</b> (Service) <b>P</b> (Product) <b>O</b> (Other).
<b>ProductInventoryType</b>	ProductType	X	String	Inventory type. Required if the product is not yet inserted into the system. <b>A</b> (Finished and intermediate products) <b>M</b> (Goods) <b>P</b> (Raw materials and consumption) <b>S</b> (By-products and waste) <b>T</b> (Products and work in progress).
<b>ProductDescription</b>	ProductInventoryType	Yes	String	Product Description.
<b>Quantity</b>	ProductDescription	Yes	Number	Amount. Numeric field.
<b>UnitOfMeasure</b>	Quantity	Yes	String	Unit of Measure code. Required if the product is not yet in system.
<b>UnitPrice</b>	UnitOfMeasure	Yes	Number	Unit Price. Numeric Field
<b>Discount</b>	UnitPrice	X	Number	Discount to apply to the product line. Numeric value for percentage.
<b>Tax</b>	Discount	Yes	Tag	Tag where you will place the IVA of the product line.
<b>DocumentLink</b>	Tax	Yes	Tag	Required field for creating the credit note.

<b>DocumentCode</b>	DocumentLink	Yes	String	Document Code.
<b>Serie</b>	DocumentCode	Yes	String	Serial number.
<b>DocumentNumber</b>	Serie	Yes	Number	Document number.
<b>LineRef</b>	DocumentNumber	X	String	

If you want to create a **Purchase Credit Note (NC\_C)**, just replace the tag `<NC_V>` by the tag `<NC_C>`. The other tags remain the same.

You can also create a **Purchase Debit Note (ND\_C)** and a **Sales Debit Note (ND\_V)** using this structure, and you just need to change their tags.

#### - Receipts (TR):

```
<APIData>
  <Header>
    <APIKey>xxx1</APIKey>
    <APISecret>123</APISecret>
  </Header>
  <Comercial>
    <TR>
      <Document>
        <Reference></Reference>
        <CompanyCode>MS</CompanyCode>
        <Serie>2017</Serie>
        <DocumentDate>2018-02-05</DocumentDate>
        <Entity>
          <EntityCode>ahs</EntityCode>
          <EntityName>CN</EntityName>
          <EntityTypeCode>CN</EntityTypeCode>
          <TaxID>999999990</TaxID>
        </Entity>
        <Currency>EUR</Currency>
        <Obervations />
        <PaymentMethod>NU</PaymentMethod>
        <Bank>123(código da conta bancária)</Bank>
        <Lines>
          <Document>
            <DocumentType>FT_V</DocumentType>
            <Serie>2017</Serie>
            <NumeroDocumento>1719</NumeroDocumento>
            <Amount>10</Amount>
          </Document>
        </Lines>
      </Document>
    </TR>
  </Comercial>
</APIData>

</Comercial>
</APIData>
```

### Information about the fields (TR)

Tag XML	Tag Anterior	Obrigatórios	Tipo	Notas
<b>APIData</b>		Yes	Tag	
<b>Header</b>	APIData	Yes	Tag	
<b>APIKey</b>	Header	Yes	String	
<b>APISecret</b>	APIKey	Yes	String	

<b>Comercial</b>	Header	X	Tag	Tag where you will place the IVA of the product line.
<b>TR</b>	Comercial	X	Tag	Required if you want to create receipts.
<b>Document</b>	TR	Yes	Tag	The tag repeats depending on the documents you want to insert.
<b>Reference</b>	Document	X	String	Document reference.
<b>CompanyCode</b>	Reference	Yes	Document	Company code in the system
<b>Serie</b>	CompanyCode	Yes	String	Document series.
<b>DocumentDate</b>	Serie	Yes	Data	Document date
<b>Entity</b>	DocumentDate	Yes	Tag	Tag where the entity is defined.
<b>EntityCode</b>	Entity	Yes	String	Entity code in the system
<b>EntityName</b>	EntityCode	Yes	String	Entity name. Required if the entity does not already exist in the system.
<b>EntityTypeCode</b>	EntityName	Yes	String	Entity type code (CN or F or any other created by you).
<b>TaxID</b>	EntityTypeCode	X	Number	Entity's NIF. Required if the entity does not already exist in the system.
<b>Currency</b>	Entity	Yes	String	Document Currency.
<b>Observations</b>	Currency	X	String	Document Notes.
<b>PaymentMethod</b>	Observations	X	Tag	Payment method. Required if it is an invoice-receipt. <b>TB</b> (Bank Transfer) <b>NU</b> (Cash) <b>MB</b> (References for PAYMENT ATM) <b>CH</b> (Bank Check) <b>CD</b> (Debit Card) <b>CC</b> (Credit Card).
<b>Bank</b>	PaymentMethod	Yes	String	
<b>Lines</b>	Bank	Yes	Tag	Tag, where you will place the product lines not yet inserted into the system. <b>I</b> (Tax) <b>S</b> (Service) <b>P</b> (Product) <b>O</b> (Other).
<b>Document</b>	Lines	Yes	Tag	The tag repeats depending on the documents you want to insert.
<b>DocumentType</b>	Document	Yes	String	Type of document.
<b>Serie</b>	DocumentType	Yes	String	Serial number.
<b>NumeroDocumento</b>	Serie	Yes	Number	Document Number.
<b>Amount</b>	NumeroDocumento	Yes	Number	Amount.

In the tag `<Document>` you will need to place the invoice you want to pass the **receipt**. You can repeat the tag to pass a single receipt to multiple **invoices**.

To create a **Payment (TP)** just replace the tag `<TR>` by the tag `<TP>`, maintaining the same structure.

**Note:** If you do not want to put the **customer** and **address** information in any of the business **documents**, you can set it as the final **consumer**, as follows:

```
<Entity>
  <EntityCode>CF</EntityCode>
  <EntityName>Consumidor Final</EntityName>
  <EntityTypeCode>CN</EntityTypeCode>
  <TaxID>999999990</TaxID>
  <Country>PT</Country>
  <Classification>CF</Classification>
  <VATType>PT</VATType>
</Entity>
```

**By using the sample code of receipts Receipts (TR) that is above you will acquire:**

```
<ns1:ComercialDocsResponse xmlns:ns1="http://schemas.xmlsoap.org/soap/envelope/">
  <return>
    <Imports>
      <item>
        <Reference>MSFR_V2020A4WHZU0A1</Reference>
        <CompanyCode>MS</CompanyCode>
        <DocumentType>FR_V</DocumentType>
        <Serie>2020</Serie>
        <DocumentNumber>31</DocumentNumber>
        <DocumentOrder>1</DocumentOrder>
      </item>
    </Imports>
  </return>
</ns1:ComercialDocsResponse>
```

- Summarizing:

If you want to create any of the Functions above, **Sales Invoice (FT\_V), Invoice-Receipt (FR\_V), Credit Notes, (NC\_V), Receipts (TR), etc.** just replace the tags <FT\_V>, <FR\_V>, <NC\_V>, <TR>, etc. all the other tags remain the same.

```
<APIData>
<Header>
<APIKey>xxx</APIKey>
<APISecret>123</APISecret>
</Header>
<Comercial>
<TR> ←
<Document>
<Reference></Reference>
<CompanyCode>MS</CompanyCode>
<Serie>2017</Serie>
<DocumentDate>2018-02-05</DocumentDate>
<Entity>
<EntityCode>ahs</EntityCode>
<EntityName>CN</EntityName>
<EntityTypeCode>CN</EntityTypeCode>
<TaxID>999999990</TaxID>
</Entity>
```

### Documents :

```
<FR_V>, <FR_C>, <FT_V>,
<FT_C>, <ENC_V>,
<ENC_C>, <FC_V>, <FC_C>,
<FPF_V>, <NC_C>, <NC_V>,
<ND_C>, <ND_V>, <TR>,
<TP>.
```

- FTV: To be able to use more than one type of payment you have to use these tags:

```

<PaymentMethods>
  <Method>
    <PaymentMethod>NU</PaymentMethod>
    <Amount>15</Amount>
    <CashRegister>CPOS</CashRegister>
  </Method>
  <Method>
    <PaymentMethod>CD</PaymentMethod>
    <Amount>15</Amount>
    <Bank>99999</Bank>
  </Method>
  <Method>
    <PaymentMethod>TB</PaymentMethod>
    <Amount>40</Amount>
    <Bank>99999</Bank>
  </Method>
</PaymentMethods>

```

### Information about the fields (FTV)

Tag XML	Tag Anterior	Obrigatórios	Tipo	Notas
<b>PaymentMethods</b>		Yes	Tag	
<b>PaymentMethod</b>	Method	Yes	String	Payment method. Required if it is an invoice-receipt. <b>TB</b> (Bank Transfer) <b>NU</b> (Cash) <b>MB</b> (References for PAYMENT ATM) <b>CH</b> (Bank Check) <b>CD</b> (Debit Card) <b>CC</b> (Credit Card).
<b>Amount</b>	PaymentMethod	Yes	Number	Amount.
<b>CashRegister</b>	Amount	X	String	Cash Register.
<b>Method</b>	PaymentMethods	X	Tag	
<b>Bank</b>	Amount	X	String	Bank account. Required if the payment method is CC, CD, TB or MB. Place the system code of the bank account.

If you want to create a **Purchase Receipt Invoice (FR\_C)**, just replace the tag <FR\_V> by the tag <FR\_C>. The other tags are the same.

- `get_document_keys`:

Returns key information about the document such as **company code**, the **type of document** you want to return, the **series**, the **document number**, and you can also define type **T** if you want in **Receipt format**:

```
<get_document_keys>
  <APIData>
    <Header>
      <APIKey>xxxxxx</APIKey>
      <APISecret>12345</APISecret>
    </Header>
    <Parameters>
      <CompanyCode>MS</CompanyCode>
      <DocumentType>TR</DocumentType>
      <Serie>15</Serie>
      <DocumentNumber>190</DocumentNumber>
      <Type>T</Type>
    </Parameters>
  </APIData>
</get_document_keys>
```

### Information about the fields (`get_document_keys`)

Tag XML	Tag Anterior	Obrigatórios	Tipo	Notas
<b>APIData</b>		Yes	Tag	
<b>Header</b>	APIData	Yes	Tag	
<b>APIKey</b>	Header	Yes	String	
<b>APISecret</b>	APIKey	Yes	String	
<b>Parameters</b>	Header	Yes	Tag	
<b>CompanyCode</b>	Parameters	Yes	String	Company code in the system.
<b>Documenttype</b>	CompanyCode	Yes	String	Document type
<b>Serie</b>	DocumentType	Yes	String	Document series.
<b>DocumentNumber</b>	Serie	Yes	Number	Document Number.
<b>Type</b>	DocumentNumber	Yes	String	Document Type.

By using the sample code that is above you will acquire:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:SOAP-
ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <ns1:get_document_keysResponse
xmlns:ns1="http://schemas.xmlsoap.org/soap/envelope/">
      <return>
        <Data>
          <DocumentKeys>
            <CompanyCode>MS</CompanyCode>
            <DocumentType>FT_V</DocumentType>
            <Serie>2020</Serie>
            <DocumentNumber>97</DocumentNumber>
            <DocumentDate>2020-07-01</DocumentDate>
          </DocumentKeys>
        </Data>
      </return>
    </ns1:get_document_keysResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

- `get_tax_percentage`:

Returns the **IVA tax** corresponding to the code provided (**NOR, ISE, INT, RED**) by giving the **company code** and the **IVA from all the regions**:

```
<get_tax_percentage>
<APIData>
<Header>
<APIKey>xxx</APIKey>
<APISecret>123</APISecret>
</Header>
<Parameters>
<CompanyCode>MS</CompanyCode>
<Date>2018-01-09</Date>
<TaxCode>NOR</TaxCode>
<TaxRegion>PT</TaxRegion>
</Parameters>
</APIData>
</get_tax_percentage>
```

### Information about the fields (`get_tax_percentage`)

Tag XML	Tag Anterior	Obrigatórios	Tipo	Notas
<b>APIData</b>		Yes	Tag	
<b>Header</b>	APIData	Yes	Tag	
<b>APIKey</b>	Header	Yes	String	
<b>APISecret</b>	APIKey	Yes	String	
<b>Parameters</b>	Header	Yes	Tag	
<b>CompanyCode</b>	Parameters	Yes	String	Company code in the system.
<b>Date</b>	CompanyCode	Yes	Date	Date.
<b>TaxCode</b>	Date	Yes	String	Tax Code.
<b>TaxRegion</b>	String	Yes	String	Tax Region.

By using the sample code that is above you will acquire:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:SOAP-
ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <ns1:get_tax_percentageResponse
xmlns:ns1="http://schemas.xmlsoap.org/soap/envelope/">
      <return>
        <Data>
          <GetTaxPercentage>
            <item>
              <TaxPercentage>23</TaxPercentage>
            </item>
          </GetTaxPercentage>
        </Data>
      </return>
    </ns1:get_tax_percentageResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## - get\_last\_document:

Returns the last **comercial document**, giving information about it, such as the **code of the entity** to which it was invoiced, the **type of document** you want to **return**, and the **series** to which it belongs.

If you want to return predefined series, place <DefaultSerie> tag with value 1 (true) and remove <Serie> tag:

```
<get_last_document>
  <APIData>
    <Header>
      <APIKey>xx</APIKey>
      <APISecret>123</APISecret>
    </Header>
    <Parameters>
      <CompanyCode>T</CompanyCode>
      <DocumentType>FR_V</DocumentType>
      <Serie>G</Serie>
      OR
      <DefaultSerie>1</DefaultSerie>
    </Parameters>
  </APIData>
</get_last_document>
```

### Information about the fields ([get\\_last\\_document](#))

Tag XML	Tag Anterior	Obrigatórios	Tipo	Notas
APIData		Yes	Tag	
Header	APIData	Yes	Tag	
APIKey	Header	Yes	String	
APISecret	APIKey	Yes	String	
Parameters	Header	Yes	Tag	
CompanyCode	Parameters	Yes	Tag	Company code in the system.
Documenttype	CompanyCode	Yes	String	Document Type.
Serie	DocumentType	Yes	String	Document Series.
DefaultSerie	Serie	No	Int	Default Series.

By using the sample code that is above you will acquire:



```

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:SOAP-
ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <ns1:get_last_documentResponse
xmlns:ns1="http://schemas.xmlsoap.org/soap/envelope/">
      <return>
        <Data>
          <LastDocument>
            <item>
              <CompanyCode>MS</CompanyCode>
              <DocumentType>FT_V</DocumentType>
              <Serie>2020</Serie>
              <DocumentNumber>98</DocumentNumber>
              <DocumentDate>2020-07-06</DocumentDate>
            </item>
          </LastDocument>
        </Data>
      </return>
    </ns1:get_last_documentResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

- `get_stock`:

**Returns the stock** of a certain product by giving a **date**, the desired **product code** and the **company code**.

```

<get_stock>
<APIData>
  <Header>
    <APIKey>xxx</APIKey>
    <APISecret>123</APISecret>
  </Header>
  <Parameters>
    <CodEmpresa>MS</CodEmpresa>
    <CodProduto>P1</CodProduto>
    <Data>2018-01-01</Data>
  </Parameters>
</APIData>
</get_stock>

```

### Information about the fields (`get_stock`)

Tag XML	Tag Anterior	Obrigatórios	Tipo	Notas
<b>APIData</b>		Yes	Tag	
<b>Header</b>	APIData	Yes	Tag	
<b>APIKey</b>	Header	Yes	String	
<b>APISecret</b>	APIKey	Yes	String	
<b>Parameters</b>	Header	Yes	Tag	
<b>CodEmpresa</b>	Parameters	Yes	String	Company code.
<b>CodProduto</b>	CodEmpresa	Yes	String	Product code.
<b>Data</b>	CodProduto	Yes	Date	Date.

By using the sample code that is above you will acquire:

```

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:SOAP-
ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <ns1:get_stockResponse xmlns:ns1="http://schemas.xmlsoap.org/soap/envelope/">
      <return>
        <Data>
          <Stock>
            <item>
              <CodProduto>0001</CodProduto>
              <CodBarras>1234567893280</CodBarras>
              <CodArmazem>1</CodArmazem>
              <ArmazemDesignacao>Armazã@m Teste</ArmazemDesignacao>
              <CodLocalizacao>TESTE</CodLocalizacao>
              <LocalizacaoDesignacao>asdasd</LocalizacaoDesignacao>
              <CodLote/>
              <LoteDesignacao/>
              <StockDisponivel>80</StockDisponivel>
              <StockReservado>0</StockReservado>
              <StockCorrente>80</StockCorrente>
              <StockEsperado>0</StockEsperado>
              <StockSaldo>80</StockSaldo>
            </item>
          </Stock>
        </Data>
      </return>
    </ns1:get_stockResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

- `get_cm_current_account`:

Returns the **current account** of an entity by giving its **NIF**.

```

<get_cm_current_account >
<APIData>
  <Header>
    <APIKey>xx</APIKey>
    <APISecret>123</APISecret>
  </Header>
  <Parameters>
    <CompanyCode>MS</CompanyCode>
    <TaxID>323456789</TaxID>
  </Parameters>
</APIData>
</get_cm_current_account >

```

### Information about the fields (`get_cm_current_account`)

Tag XML	Tag Anterior	Obrigatórios	Tipo	Notas
<b>APIData</b>		Yes	Tag	
<b>Header</b>	APIData	Yes	Tag	
<b>APIKey</b>	Header	Yes	String	
<b>APISecret</b>	APIKey	Yes	String	
<b>Parameters</b>	Header	Yes	Tag	
<b>CompanyCode</b>	Parameters	Yes	String	Company code in the system.
<b>TaxID</b>	CompanyCode	X	String	Entity's NIF. Required if the entity does not already exist in the system.

By using the sample code that is above you will acquire:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:SOAP-
ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <ns1:get_cm_current_accountResponse
xmlns:ns1="http://schemas.xmlsoap.org/soap/envelope/">
      <return>
        <Data>
          <CurrentAccount>
            <item>
              <EntityCode>PT323456789</EntityCode>
              <EntityTypeCode>
                <item>
                  <Code>CN</Code>
                  <Name>Cliente</Name>
                  <Documents>
                    <item>
                      <Value>0.53000000</Value>
                      <Date>2015-05-07</Date>
                      <DueDate/>
                      <DocumentTypeCode>FT_V</DocumentTypeCode>
                      <DocumentTypeName>Fatura de Venda</DocumentTypeName>
                      <DocumentNumber>7</DocumentNumber>
                      <Serie>14</Serie>
                      <EntityName>123</EntityName>
                    </item>
                    <EntityName>123</EntityName>
                  </item>
                </Documents>
              </item>
            </EntityTypeCode>
          </item>
        </CurrentAccount>
      </Data>
    </return>
  </ns1:get_cm_current_accountResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

- get\_cm\_serie:

Returns all **series of a company**, giving only its **company code**.

```
<get_cm_serie>
<APIData>
  <Header>
    <APIKey>xxx</APIKey>
    <APISecret>123</APISecret>
  </Header>
  <Parameters>
    <CompanyCode>MS</CompanyCode>
  </Parameters>
</APIData>
</get_cm_serie>
```

### Information about the fields (get\_cm\_serie)

Tag XML	Tag Anterior	Obrigatórios	Tipo	Notas
APIData		Yes	Tag	
Header	APIData	Yes	Tag	
APIKey	Header	Yes	String	
APISecret	APIKey	Yes	String	
Parameters	Header	Yes	Tag	
CompanyCode	Parameters	Yes	String	Company code in the system.
Serie	CompanyCode	X	String	Serie code

By using the sample code that is above you will acquire:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:SOAP-
ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <ns1:get_cm_serieResponse xmlns:ns1="http://schemas.xmlsoap.org/soap/envelope/">
      <return>
        <Data>
          <Series>
            <item>
              <CodSerie>10FTV_2014</CodSerie>
              <SerieDesignacao>10FTV_2014</SerieDesignacao>
              <DataInicial>2014-01-01</DataInicial>
              <DataFinal>2014-12-31</DataFinal>
              <DefaultGeneral>0</DefaultGeneral>
              <DefaultSales>0</DefaultSales>
              <DefaultPurchases>0</DefaultPurchases>
            </item>
          </Series>
        </Data>
      </return>
    </ns1:get_cm_serieResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

- `get_cm_entities`:

Returns the **entities of a company**, and can be define by entity **type** with the tag `<EntityTypeCode>`.

```
<get_cm_entities>
<APIData>
  <Header>
    <APIKey>xxx </APIKey>
    <APISecret>12345</APISecret>
  </Header>
  <Parameters>
    <CompanyCode>MS</CompanyCode>
    <EntityTypeCode>CN</EntityTypeCode>
  </Parameters>
</APIData>
</get_cm_entities>
```

### Information about the fields (`get_cm_entities`)

Tag XML	Tag Anterior	Obrigatórios	Tipo	Notas
<b>APIData</b>		Yes	Tag	
<b>Header</b>	APIData	Yes	Tag	
<b>APIKey</b>	Header	Yes	String	
<b>APISecret</b>	APIKey	Yes	String	
<b>Parameters</b>	Header	Yes	Tag	
<b>CompanyCode</b>	Parameters	Yes	String	Company code in the system.
<b>EntityTypeCode</b>	CompanyCode	Yes	String	Entity type code (CN or F or any other created by you).
<b>EntityCode</b>	EntityTypeCode	X	String	Entity code.
<b>EntityCategory</b>	EntityCode	X	String	Category Entity(Clients or Suppliers or any other created by you).

By using the sample code that is above you will acquire:

```

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:SOAP-
ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <ns1:get_cm_entitiesResponse
xmlns:ns1="http://schemas.xmlsoap.org/soap/envelope/">
      <return>
        <Data>
          <Entities>
            <item>
              <EntityCode>00011</EntityCode>
              <EntityName>Guillermo Assado</EntityName>
              <TaxID>247535427</TaxID>
              <Classification>CF</Classification>
              <VATType>PT-MA</VATType>
              <EntityCountry>Portugal</EntityCountry>
              <EntityCountryCode>PT</EntityCountryCode>
              <AddressDetail>rua</AddressDetail>
              <City>rua</City>
              <PostalCode>1700-266</PostalCode>
              <AddressCountry>Portugal</AddressCountry>
              <EntityTypeName>Cliente</EntityTypeName>
              <EntityTypeCode>CN</EntityTypeCode>
              <EditionDate>2020-06-15 17:37:54</EditionDate>
            </item>
          </Entities>
        </Data>
      </return>

```

```

</ns1:get_cm_entitiesResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope

```

- get\_cm\_prazo\_vencimento:

Returns all **expiration dates** and their information by giving the **company code**.

```

<get_cm_prazo_vencimento>
<APIData>
  <Header>
    <APIKey>xxx </APIKey>
    <APISecret>12345</APISecret>
  </Header>
  <Parameters>
    <CompanyCode>MS</CompanyCode>
  </Parameters>
</APIData>
</get_cm_prazo_vencimento>

```

## Information about the fields ([get\\_cm\\_prazo\\_vencimento](#))

Tag XML	Tag Anterior	Obrigatórios	Tipo	Notas
<b>APIData</b>		Yes	Tag	
<b>Header</b>	APIData	Yes	Tag	
<b>APIKey</b>	Header	Yes	String	
<b>APISecret</b>	APIKey	Yes	String	
<b>Parameters</b>	Header	Yes	Tag	
<b>CompanyCode</b>	Parameters	Yes	String	Company code in the system.

By using the sample code that is above you will acquire:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:SOAP-
ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <ns1:get_cm_prazo_vencimentoResponse
xmlns:ns1="http://schemas.xmlsoap.org/soap/envelope/">
      <return>
        <Data>
          <MaturityTerms>
            <item>
              <Code>D8</Code>
              <Description>Até dia 8 mês seguinte</Description>
              <Days>8</Days>
            </item>
          </MaturityTerms>
        </Data>
      </return>
    </ns1:get_cm_prazo_vencimentoResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

- `get_cm_produto`:

Returns **all products**, or just **one desired product** if you put the tag `<CodProduct>` and its respective **information**, giving the **company code**.

```
<get_cm_produto>
<APIData>
  <Header>
    <APIKey>xxx </APIKey>
    <APISecret>12345</APISecret>
  </Header>
  <Parameters>
    <CompanyCode>MS</CompanyCode>
    <CodProduto>1</CodProduto>
  </Parameters>
</APIData>
</get_cm_produto>
```

## Information about the fields ([get\\_cm\\_produto](#))

Tag XML	Tag Anterior	Obrigatórios	Tipo	Notas
APIData		Yes	Tag	
Header	APIData	Yes	Tag	
APIKey	Header	Yes	String	
APISecret	APIKey	Yes	String	
Parameters	Header	Yes	Tag	
CompanyCode	Parameters	Yes	String	Company code in the system.
ProducCode	CompanyCode	X	String	Product code. If you do not submit the product code, all company codes will be returned.

By using the sample code that is above you will acquire:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:SOAP-
ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <ns1:get_cm_produtoResponse
xmlns:ns1="http://schemas.xmlsoap.org/soap/envelope/"
      <return>
        <Data>
          <Products>
            <item>
              <CodProduto>1</CodProduto>
              <ProdutoDesignacao>asd</ProdutoDesignacao>
              <PrecoVenda>1.00000000</PrecoVenda>
              <CodIva>IS</CodIva>
              <PesoUnitario/>
              <CentroCusto/>
            </item>
          </Products>
        </Data>
      </return>
    </ns1:get_cm_produtoResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

- CreateCRMClient:

By relying on the **CreateCRMCLiente** function, the API enables the clients in **CRM**. To enter more than one Customer, you must add a <Parameters> tag again and repeat the process of the respective tags:



```

<CreateCRMClient>
  <APIData>
    <Parameters>
      <CompanyCode>MS</CompanyCode>
      <ClientCode>LojaC2</ClientCode>
      <ClientName>Loja</ClientName>
      <Phone>932357934</Phone>
      <Email> Loja@hotmail.com</Email>
      <NIF>247393093</NIF>
      <Address>Rua Artilharia 1</Address>
      <PostalCode>1234-567</PostalCode>
      <City>Lisboa</City>
      <CountryCode>PT</CountryCode>
    </Parameters>
    Para mais um utilizador
    <Parameters>
      <CompanyCode>MS</CompanyCode>
      <ClientCode>LojaC1</ClientCode>
      <ClientName>Loja1</ClientName>
      <Phone>932357934</Phone>
      <Email> Loja1@hotmail.com</Email>
      <NIF>247392093</NIF>
      <Address>Rua Artilharia 2</Address>
      <PostalCode>1234-567</PostalCode>
      <City>Lisboa</City>
      <CountryCode>PT</CountryCode>
    </Parameters>
  </APIData>
</CreateCRMCliente>

```

### Information about the fields ([CreateCRMClient](#))

Tag XML	Tag Anterior	Obrigatórios	Tipo	Notas
<b>APIData</b>		Sim	Tag	
<b>Header</b>	APIData	Sim	Tag	
<b>APIKey</b>	Header	Sim	String	
<b>APISecret</b>	APIKey	Sim	String	
<b>Parameters</b>	APISecret	Sim	Tag	
<b>CompanyCode</b>	CompanyCode	Sim	Tag	Company code in the system.
<b>ClientCode</b>	CompanyCode	Sim	String	Client code.
<b>ClientName</b>	ClientCode	Sim	String	Client name.
<b>Phone</b>	ClientName	Não	Number	Cell number.
<b>Email</b>	Phone	Não	String	Email.
<b>NIF</b>	Email	Sim	String	Entity's NIF. Required if the entity does not already exist in the system.
<b>Address</b>	NIF	Sim	String	Address.
<b>PostalCode</b>	Address	Sim	String	Postal code.
<b>City</b>	PostalCode	Sim	String	City.
<b>CountryCode</b>	City	Sim	String	City code.

By using the sample code that is above you will acquire:

```

<SOAP-ENV:Envelope SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:tns="urn:Masterway">
  <SOAP-ENV:Body>
    <ns1:CreateCRMClientResponse xmlns:ns1="http://schemas.xmlsoap.org/soap/envelope/">
      <return xsi:type="tns:Responses">
        <Imports xsi:type="SOAP-ENC:Array" SOAP-ENC:arrayType="tns:Imports[1]">
          <item xsi:type="tns:Imports">
            <Reference xsi:type="xsd:string">LojaC2</Reference>
          </item>
        </Imports>
      </return>
    </ns1:CreateCRMClientResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

#### - AccountingDocs:

By relying on the **AccountingDocs** function, the API enables the creation of accounting **documents**, the system will automatically open **journals, accounts, cash flows, IVA codes, dimensions** and **cost centers**, if they are not **open in system**. All Documents contained in the **<Accounting>** tag are handled by the system.

```

<AccountingDocs>
  <APIData>
    <Header>
      <APIKey>xxx</APIKey>
      <APISecret>12345</APISecret>
    </Header>
    <Accounting>
      <Document>
        <CompanyCode>MS</CompanyCode>
        <Journal>600</Journal>
        <Year>2018</Year>
        <Period>9</Period>
        <Currency>EUR</Currency>
        <ProcessingDate>2015-09-09T11:57:55.913</ProcessingDate>
        <DocumentDate>2015-05-10T00:00:00</DocumentDate>
        <Line>
          <AccountID>5383</AccountID>
          <MovementType>C</MovementType>
          <LineDescription>Dia Financiamiento</LineDescription>
          <Amount>178.0100</Amount>
        </Line>
        <Line>
          <AccountID>111</AccountID>
          <MovementType>D</MovementType>
          <LineDescription>Dia Financiamiento</LineDescription>
          <Amount>178.0100</Amount>
        </Line>
      </Document>
    </Accounting>
  </APIData>
</AccountingDocs>

```

## Information about the fields ([AccountingDocs](#))

Tag XML	Tag Anterior	Obrigatórios	Tipo	Notas
<b>APIData</b>		Yes	Tag	
<b>Header</b>	APIData	Yes	Tag	
<b>APIKey</b>	Header	Yes	String	
<b>APISecret</b>	APIKey	Yes	String	
<b>Accounting</b>	Header	Yes	Tag	
<b>Document</b>	Accounting	Yes	Tag	The tag repeats depending on the documents you want to insert.
<b>CompanyCode</b>	Document	Yes	String	Company code in the system.
<b>Journal</b>	CompanyCode	Yes	Number	Journal code. If it is not in the system, it will be created.
<b>JournalDescription</b>	Journal	Yes	String	Journal description.
<b>Year</b>	JournalDescription	Yes	Number	Year.
<b>Period</b>	Year	Yes	Number	
<b>Currency</b>	Period	Yes	String	Document currency.
<b>ProcessingDate</b>	Currency	Yes	Data	Date it was processed.
<b>DocumentDate</b>	ProcessingDate	Yes	Data	DocumentDate
<b>Line</b>	DocumentDate	Yes	Tag	
<b>AccountID</b>	Line	Yes	String	Account ID.
<b>AccountDescription</b>	AccountID	Yes	String	Account description.
<b>MovementType</b>	AccountDescription	Yes	String	Movement Type.
<b>CashFlow</b>	MovementType	Yes	String	Cash flow code.
<b>CashFlowDescription</b>	CashFlow	Sim	Int	Cash flow description.
<b>VatCode</b>	CashFlowDescription	X	Int	IVA code.
<b>VatCodeDescription</b>	VatCode	X	String	IVA description.
<b>EsclusionReason</b>	VatCodeDescription	X	Int	Recap - IES
<b>OperationType</b>	EsclusionReason	X	String	Operation code.
<b>Amount</b>	OperationType	X	Int	Amount.
<b>Dimension</b>	Amount	X	String	Dimension code.
<b>DimensionDescription</b>	Dimension	X	String	Dimension description.
<b>CostCenter</b>	DimensionDescription	X	String	Cost center code.
<b>CostCenterDescription</b>	CostCenter	X	String	Cost center code description.
<b>LineDescription</b>	MovementType	Yes	String	
<b>Obervations</b>	LineDescription	X	String	Observations.

By using the sample code that is above you will acquire:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:SOAP-
ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <ns1:AccountingDocsResponse
xmlns:ns1="http://schemas.xmlsoap.org/soap/envelope/">
      <return>
        <Errors>
          <item>
            <Reference>MS2019600E6UXZ53Y1</Reference>
            <Msg>A Conta 111 tem que ser Lançadora.</Msg>
          </item>
        </Errors>
      </return>
    </ns1:AccountingDocsResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## - EditAccountingDocs:

Call this function if you want to **edit an accounting document**. Giving key information about the document.

```
<EditAccountingDocs>
<APIData>
  <Header>
    <APIKey>xxx</APIKey>
    <APISecret>123</APISecret>
  </Header>
  <Accounting>
    <Document>
      <CompanyCode>MS</CompanyCode>
      <Journal>0081</Journal>
      <Year>2018</Year>
      <Period>9</Period>
      <DocumentNumber>9000060</DocumentNumber>
      <Currency>EUR</Currency>
      <ProcessingDate>2018-09-01</ProcessingDate>
      <DocumentDate>2018-09-01</DocumentDate>
      <Line>
        <CodLinha>2</CodLinha>
        <AccountID>24212</AccountID>
        <MovementType>C</MovementType>
        <Amount>30.00</Amount>
      </Line>
    </Document>
  </Accounting>
</APIData>
</EditAccountingDocs>
```

### Information about the fields ([EditAccountingDocs](#))

Tag XML	Tag Anterior	Obrigatórios	Tipo	Notas
<b>APIData</b>		Yes	Tag	
<b>Header</b>	APIData	Yes	Tag	
<b>APIKey</b>	Header	Yes	String	
<b>APISecret</b>	APIKey	Yes	String	
<b>Accounting</b>	Header	X	Tag	Required if the AccountingDocs method is invoked.
<b>Document</b>	Accounting	Yes	Tag	This tag is repeated depending on the documents you want to insert.
<b>CompanyCode</b>	Document	Yes	String	Company code in the system.
<b>Journal</b>	CompanyCode	Yes	Number	Journal code. If it is not in the system, it will be created.
<b>JournalDescription</b>	Journal	YES	String	Journal description.
<b>Year</b>	JournalDescription	Yes	Number	Year.
<b>Period</b>	Year	Yes	Number	Period.
<b>DocumentNumber</b>	Period	Yes	String	Document Number.
<b>Currency</b>	DocumentNumber	Yes	String	Document Currency.
<b>ProcessingDate</b>	Currency	Yes	Data	Date it was processed.
<b>DocumentDate</b>	ProcessingDate	Yes	Data	Document date.
<b>Line</b>	DocumentDate	Yes	Tag	
<b>CodLinha</b>	Line	Yes	Number	
<b>AccountID</b>	CodLinha	Yes	String	Account ID.
<b>MovementType</b>	AccountID	Yes	String	Movement Type.
<b>Amount</b>	MovementID	Yes	Number	Amount.
<b>AccountDescription</b>	AccountID	X	String	Account Description.
<b>CashFlow</b>	MovementType	Yes	String	Cash flow code.

<b>CashFlowDescription</b>	CashFlow	Yes	Int	Cash flow description.
<b>VatCode</b>	CashFlowDescription	X	Int	IVA code.
<b>VatCodeDescription</b>	VatCode	X	String	IVA description.
<b>EsclusionReason</b>	VatCodeDescription	X	Int	Recap – IES
<b>OperationType</b>	EsclusionReason	X	String	Operation code.
<b>LineDescription</b>	CostCenterDescription	Yes	String	Line Description.
<b>Obervations</b>	LineDescription	X	String	Obervations.

By using the sample code that is above you will acquire:

```
<ns1:EditAccountingDocsResponse
xmlns:ns1="http://schemas.xmlsoap.org/soap/envelope/%22%3E">
  <return>
    <Confirmation>
      <item>
        <Reference/>
        <CompanyCode>MS</CompanyCode>
        <Year>2020</Year>
        <Journal>0031</Journal>
        <DocumentNumber>7000009</DocumentNumber>
      </item>
    </Confirmation>
  </return>
</ns1:EditAccountingDocsResponse>
```

#### - DeleteAccountingDocs:

Call this function if you want to **delete one or more accounting documents** by giving key information about them and repeating the tag `<document>`.

```
<DeleteAccountingDocs>
<APIData>
  <Header>
    <APIKey>xxx</APIKey>
    <APISecret>123</APISecret>
  </Header>
  <Accounting>
    <Document>
      <CompanyCode>MS</CompanyCode>
      <Year>2018</Year>
      <Journal>081</Journal>
      <DocumentNumber>9000060</DocumentNumber>
    </Document>
  </Accounting>
</APIData>
</DeleteAccountingDocs>
```

### Information about the fields ([DeleteAccountingDocs](#))

Tag XML	Tag Anterior	Obrigatórios	Tipo	Notas
<b>APIData</b>		Yes	Tag	
<b>Header</b>	APIData	Yes	Tag	
<b>APIKey</b>	Header	Yes	String	
<b>APISecret</b>	APIKey	Yes	String	
<b>Accounting</b>	Header	X	Tag	Required if the AccountingDocs method is invoked

<b>Document</b>	Accounting	Yes	Tag	This tag is repeated depending on the documents you want to insert.
<b>CompanyCode</b>	Document	Yes	String	Company code in the system.
<b>Year</b>	CompanyCode		Number	Year.
<b>Journal</b>	Year	Yes	Number	Journal code. If it is not in the system, it will be created.
<b>DocumentNumber</b>	Journal	Yes	String	Document number.
<b>Reference</b>	DocumentNumber	X	String	Document reference

By using the sample code that is above you will acquire:

```
<ns1:DeleteAccountingDocsResponse
xmlns:ns1="http://schemas.xmlsoap.org/soap/envelope/%22%3E">
  <return>
    <Confirmation>
      <item>
        <CompanyCode>MS</CompanyCode>
        <Year>2020</Year>
        <Journal>0031</Journal>
        <DocumentNumber>7000009</DocumentNumber>
      </item>
    </Confirmation>
  </return>
</ns1:DeleteAccountingDocsResponse>
```

#### - TaxCodes:

Call this function if you want to get **the IVA code from Accounting**.

```
<TaxCodes>
<APIData>
  <Header>
    <APIKey>xxx</APIKey>
    <APISecret>123</APISecret>
  </Header>
  <TaxCodes>
    <CompanyCode>MS</CompanyCode>
    <Year>2018</Year>
  </TaxCodes>
</APIData>
</TaxCodes>
```

### Information about the fields (TaxCodes)

Tag XML	Tag Anterior	Obrigatórios	Tipo	Notas
<b>APIData</b>		Yes	Tag	
<b>Header</b>	APIData	Yes	Tag	
<b>APIKey</b>	Header	Yes	String	
<b>APISecret</b>	APIKey	Yes	String	
<b>TaxCodes</b>	Header	Yes	Tag	
<b>CompanyCode</b>	TaxCodes	Yes	String	Company Code in the system.
<b>Year</b>	CompanyCode	Yes	Number	Year.

By using the sample code that is above you will acquire:

```
<ns1:TaxCodesResponse
xmlns:ns1="http://schemas.xmlsoap.org/soap/envelope/%22%3E">
  <return>
    <Data>
      <TaxCodes>
        <item>
          <Code>L01</Code>
          <Description>VENDAS DE MERC. E PRODUTOS-TAXA
REDUZIDA</Description>
          <ClassType>L</ClassType>
          <ClassTypeDescription>LanÃ§ador</ClassTypeDescription>
        </item>
      </TaxCodes>
    </Data>
  </return>
</ns1:TaxCodesResponse>
```

- Journals:

Call this function if you want to get the journals from the accounting.

```
<Journals>
<APIData>
  <Header>
    <APIKey>xxx</APIKey>
    <APISecret>123</APISecret>
  </Header>
  <Journals>
    <CompanyCode>MS</CompanyCode>
    <Year>2018</Year>
  </Journals>
</APIData>
</Journals>
```

### Information about the fields (Journals)

Tag XML	Tag Anterior	Obrigatórios	Tipo	Notas
APIData		Yes	Tag	
Header	APIData	Yes	Tag	
APIKey	Header	Yes	String	
APISecret	APIKey	Yes	String	
Journals	Header	Yes	Number	
CompanyCode	Journals	Yes	String	Company code in the system.
Year	CompanyCode	Yes	Number	Year.

By using the sample code that is above you will acquire:

```

<ns1:JournalsResponse
xmlns:ns1="http://schemas.xmlsoap.org/soap/envelope/%22%3E">
  <return>
    <Data>
      <Journals>
        <item>
          <Code>0021</Code>
          <Description>Caixa A</Description>
          <TransactionType>N</TransactionType>
          <Analytic>1</Analytic>
          <OpenJournal>0</OpenJournal>
        </item>
      </Journals>
    </Data>
  </return>
</ns1:JournalsResponse>

```

- [Dimensions](#):

Call this function if you want to get the **analytical dimensions of accounting**.

```

<Dimensions>
<APIData>
  <Header>
    <APIKey>xxx</APIKey>
    <APISecret>123</APISecret>
  </Header>
  <Dimensions>
    <CompanyCode>MS</CompanyCode>
    <Year>2018</Year>
  </Dimensions>
</APIData>
</Dimensions>

```

**Information** about the fields ([Dimensions](#))

Tag XML	Tag Anterior	Obrigatórios	Tipo	Notas
<b>APIData</b>		Yes	Tag	
<b>Header</b>	APIData	Yes	Tag	
<b>Dimensions</b>	Header	Yes	Tag	
<b>APIKey</b>	Header	Yes	String	
<b>APISecret</b>	APIKey	Yes	String	
<b>CompanyCode</b>	Dimensions	Yes	String	Company code in the system.
<b>Year</b>	CompanyCode	Yes	Number	Year.



By using the sample code that is above you will acquire:

```
<ns1:DimensionsResponse
xmlns:ns1="http://schemas.xmlsoap.org/soap/envelope/%22%3E">
  <return>
    <Data>
      <Dimensions>
        <item>
          <Dimension>1</Dimension>
          <DimensionDescription>Maquinas</DimensionDescription>
          <CostCenterPlan>
            <item>
              <CostCenter>101</CostCenter>
              <CostCenterDescription>Trator
Escavadora</CostCenterDescription>
              <ClassType>L</ClassType>
<ClassTypeDescription>Lanã$ador</ClassTypeDescription>
            </item>
          </Dimensions>
        </Data>
      </return>
    </ns1:DimensionsResponse>
  </ns1:DimensionsResponse>
```

#### - InternalChartOfAccounts:

Call this function if you want to get the **internal accounts code from accounting**.

```
<InternalChartOfAccounts>
<APIData>
  <Header>
    <APIKey>xxx</APIKey>
    <APISecret>123</APISecret>
  </Header>
  <InternalChartOfAccounts>
    <CompanyCode>MS</CompanyCode>
    <Year>2018</Year>
  </InternalChartOfAccounts>
</APIData>
</InternalChartOfAccounts>
```

### Information about the fields ([InternalChartOfAccounts](#))

Tag XML	Tag Anterior	Obrigatórios	Tipo	Notas
<b>APIData</b>		Yes	Tag	
<b>Header</b>	APIData	Yes	Tag	
<b>APIKey</b>	Header	Yes	String	
<b>APISecret</b>	APIKey	Yes	String	
<b>InternalChartOfAccounts</b>	Header	Yes	Tag	
<b>CompanyCode</b>	InternalChartOfAccounts	Yes	String	Company code in the system.
<b>Year</b>	InternalChartOfAccounts	Yes	Number	Year.
<b>ClassType</b>	Year	X	String	Classification Code (L – launcher, T- totalizer)
<b>Active</b>	ClassType	X	String	Active account (YES or NO)

By using the sample code that is above you will acquire:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:SOAP-
ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <ns1:InternalChartOfAccountsResponse
xmlns:ns1="http://schemas.xmlsoap.org/soap/envelope/">
      <return>
        <Data>
          <InternalChartOfAccounts>
            <item>
              <AccountID>11</AccountID>
              <AccountDescription>Caixa</AccountDescription>
              <ClassType>T</ClassType>
              <ClassTypeDescription>Totalizador</ClassTypeDescription>
              <Active>YES</Active>
              <MovTAXCode>NO</MovTAXCode>
              <MovCashFlow>YES</MovCashFlow>
            </item>
          </InternalChartOfAccounts>
        </Data>
      </return>
    </ns1:InternalChartOfAccountsResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## - Cashflows:

Call this function if you want to get the **cash flow code from accounting**.

```
<Cashflows>
<APIData>
  <Header>
    <APIKey>xxx</APIKey>
    <APISecret>123</APISecret>
  </Header>
  <Cashflows>
    <CompanyCode>MS</CompanyCode>
    <Year>2018</Year>
  </Cashflows>
</APIData>
</Cashflows>
```

### Information about the fields (Cashflows)

Tag XML	Tag Anterior	Obrigatórios	Tipo	Notas
APIData		Yes	Tag	
Header	APIData	Yes	Tag	
APIKey	Header	Yes	String	
APISecret	APIKey	Yes	String	
Cashflows	APISecret	Yes	Tag	
CompanyCode	Cashflows	Yes	String	Company code in the system.
Year	CompanyCode	Yes	Number	Year.

By using the sample code that is above you will acquire:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:SOAP-
ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <ns1:CashflowsResponse
xmlns:ns1="http://schemas.xmlsoap.org/soap/envelope/">
      <return>
        <Data>
          <Cashflows>
            <item>
              <Code>AF</Code>
              <Description>Atividades de Financiamento</Description>
              <ClassType>T</ClassType>
              <ClassTypeDescription>Totalizador</ClassTypeDescription>
            </item>
          </Cashflows>
        </Data>
      </return>
    </ns1:CashflowsResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## - CoConfig:

Call this function if you want to see **the current accounting settings**.

```
<CoConfig>
<APIData>
  <Header>
    <APIKey>xxx</APIKey>
    <APISecret>123</APISecret>
  </Header>
  <CoConfig>
    <CompanyCode>MS</CompanyCode>
    <Year>2018</Year>
  </CoConfig>
</APIData>
</CoConfig>
```

### Information about the fields (CoConfig)

Tag XML	Tag Anterior	Obrigatórios	Tipo	Notas
APIData		Yes	Tag	
Header	APIData	Yes	Tag	
APIKey	Header	Yes	String	
APISecret	APIKey	Yes	String	
CoConfig	Header	Yes	Tag	
CompanyCode	CoConfig	Yes	String	Company code in the system.
Year	CompanyCode	Yes	Number	Year.

By using the sample code that is above you will acquire:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:SOAP-
ENC="http://schemas.xmlsoap.org/soap/encoding/">
  <SOAP-ENV:Body>
    <ns1:CoConfigResponse xmlns:ns1="http://schemas.xmlsoap.org/soap/envelope/">
      <return>
        <Data>
          <CoConfig>
            <Analytic>1</Analytic>
            <NumerationType>PA</NumerationType>
            <Decimals>2</Decimals>
            <NumberLength>8</NumberLength>
            <AnalyticConfig>
              <item>
                <AccountID>7</AccountID>
                <Dimension>1</Dimension>
              </item>
            </AnalyticConfig>
            <CashFlowConfig>
              <item>
                <AccountID>1</AccountID>
              </item>
            </CashFlowConfig>
            <TaxCodeConfig/>
          </CoConfig>
        </Data>
      </return>
    </ns1:CoConfigResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```



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