

WEB SERVICE of electronic invoice / CONSUMO DE WEB SERVICE DE FACTURA ELECTRÓNICA

Definitions:

- **GFACE** : Electronic invoice generator (Invoice validator company authorized for the government)
- **EFACE**: Electronic invoice emitter (vendor)
- **NIT**: TAX identificatory number (this number is unique and each person and company has one)
- **CF**: When a client is not providing a NIT, it will be identified as a “CF” (consumidor final)

Web service scheme (test server)

http://pruebas.ecofactura.com.gt:8080/gface/servlet/ar_car_fac?wsdl

XML transaction structure (test server)

http://pruebas.ecofactura.com.gt:8080/gface/xsd/r_car_fac_sdt.xsd

Web service contains the following parameters

CodCliente	Client code, Provided by the GFACE
CodUsuario	User code, Provided by the GFACE
NITEmisor	Vendor Tax identificatory (EFACE NIT)
NumEstablecimiento	EFACE store number.
ResolucionNo	Gov authorization number
XMLS	XML that will be sent to the GFACE with the transaction to generate the electronic documents.
RetPDF	Included document in PDF base 64. 0.no inclusión 1 inclusión
DTE	XML returned by the GFACE, including the transactions converted in electronic documents
Respuesta	Error message/ Aprobación

Transaction structure to load (XMLS)

It includes by header, detail and taxes, it can include several details and taxes per header and it is possible to load several documents.

Header / Cabecera		
TrnLotNum	integer	Lot number
TipTrnCód	string	Transaction type
TrnNum	integer	Transaction number
TrnFec	date	Transaction date
TrnBenConNIT	string	Final client TAX ID number (NIT)
TrnEFACEcliCod	string	Client code if exporting (EXPO) or “Consumidor Final”(CF)

TrnEFACEcliNom	string	Client name if exporting (EXPO) or “Consumidor Final”(CF)
TrnEFACEcliDir	String	Client address if exporting (EXPO) or “Consumidor Final”(CF)
TrnObs	string	Comments
TrnEMail	string	Transaction email, separate by comas

TDFEPAutResNum	string	Authorization, Document to cancel
TDFEPTipTrnCod	string	Transaction type, Document to cancel
TDFEPSerie	string	serial of the Document to cancel
TDFEPDispElec	string	Electronic device, Document to cancel
TDFEPYear	integer	Year, Document to cancel
TDFEPNum	integer	Document number
MonCod	string	Currency code
TrnTasCam	integer	Exchange rate
TrnCampAd01	string	Additional field
TrnCampAd02	string	Additional field
TrnCampAd03	string	Additional field
TrnCampAd04	string	Additional field
TrnCampAd05	string	Additional field
TrnCampAd06	string	Additional field
TrnCampAd07	string	Additional field
TrnCampAd08	string	Additional field
TrnCampAd09	string	Additional field
TrnCampAd10	string	Additional field
TrnCampAd11	string	Additional field
TrnCampAd12	string	Additional field
TrnCampAd13	string	Additional field
TrnCampAd14	string	Additional field
TrnCampAd15	string	Additional field
TrnCampAd16	string	Additional field
TrnPaisCod	String	Country of destination
TrnUltLinD	Integer	Total number of line in the detail

Details / Detalles

TrnLiNum	Integer	Line number
TrnArtCod	string	Item code
TrnArtNom	string	Item name

TrnCan	decimal	Quatity
TrnVUn	decimal	Item price
TrnUniMed	string	Item messure (onz, ml, punds, etc)
TrnVDes	decimal	Discount ammount
TrnArtBienSer	integer	Product=0/Service=1
TrnArtExcento	integer	Tax Exempt=1/No Exempt=0
TrnDetCampAd01	string	Aditonal field
TrnDetCampAd02	string	Aditonal field
TrnDetCampAd03	string	Aditonal field
TrnDetCampAd04	string	Aditonal field
TrnDetCampAd05	string	Aditonal field
Additional taxes / Impuestos Adicionales		
TrnImpCod	integer	Tax code
TrnImpValor	decimal	TAX value

Rejected transaction variable includes all the transaction information as: gface code, eface NIT, store number, transaction type and error message.

It returns a Xml with the DTE and PDF of the generated invoice: ***check DTE description first page***

```
<DTE NombreDTE="" NoDocto="" Fecha="">
<CFDArchivo Tipo="XML">Base64</CFDArchivo>
<CFDArchivo Tipo="PDF">Base64</CFDArchivo>
</DTE>
```

Xml that returns if error

```
<ERRORES>
<ERRORCodigo="" Linea="" Columna="">Mensaje de Error</ERROR>
</ERRORES>
```

ESQUEMA DEL WEB SERVICEhttp://pruebas.ecofactura.com.gt:8080/gface/servlet/ar_car_cfac?wsdl**ESQUEMA DEL XML DE TRANSACCIONES (XMLS)**http://pruebas.ecofactura.com.gt:8080/gface/xsd/r_car_cfac_sdt.xsd

WebService contains the following parameters

CodCliente	Client code, Provided by the GFACE
CodUsuario	User code, Provided by the GFACE
NITEmisor	Vendor Tax identificatory (client EFACE unique number)
NumEstablecimiento	EFACE store number.
ResolucionNo	Gov authorization number
XMLS	XML that will be sent to the GFACE with the transaction to generate the electronic documents.
RetPDF	Included document in PDF base 64. 0.no inclusión 1 inclusión
DTE	XML returned by the GFACE, including the transactions converted in electronic documents
Respuesta	Error message/ Aprobación

Transaction structure to load (XMLS)

It includes by header, detail and taxes, it can include several details and taxes per header and it is possible to load several documents.

Header / Cabecera		
EmpCod	integer	GFACE code
CliCod	string	Client code
DFEConNIT	string	NIT vendor
DFEEstNum	integer	Vendor store code
DFEAutResNum	string	Document resolution
DFETipTrnCod	string	Transaction type
DFESerie	string	Serial
DFEDispElec	string	Electronic device
DFEYear	integer	Year
DFENum	integer	Number
DFEFec	date	Date
DFEBenConNIT	string	NIT Buyer
DFEEFACECliCod	string	Client code if exportation(EXPO) or Consumidor Final(CF)

DFEEFACEcliNom	string	Client name if exportation(EXPO) or Consumidor Final(CF)
DFEEFACEcliDir	string	Client address if exportation(EXPO) or Consumidor Final(CF)
DFEObs	string	Comments
DFEEstado	String	Document state E=emited, A=Cancelled
DFEEMail	string	Email
MonCod	string	Currency code
DFETasCam	decimal	Exchange rate
DFECampAdi01	string	Additional field
DFECampAdi02	string	Additional field
DFECampAdi03	string	Additional field
DFECampAdi04	string	Additional field
DFECampAdi05	string	Additional field
DFECampAdi06	string	Additional field
DFECampAdi07	string	Additional field
DFECampAdi08	string	Additional field
DFECampAdi09	string	Additional field
DFECampAdi10	string	Additional field
DFECampAdi11	string	Additional field
DFECampAdi12	string	Additional field
DFECampAdi13	string	Additional field
DFECampAdi14	string	Additional field
DFECampAdi15	string	Additional field
DFECampAdi16	string	Additional field
DFEPaisCod	String	Destination country
DFEUltLinD	Integer	Total of lines in the detail
Details / Detalle		
DFELiNum	Integer	Line number
DFEArtCod	String	Item code
DFEArtNom	string	Item name
DFEVUn	decimal	Item price
DFECan	decimal	Quantity
DFEValDesc	decimal	Discount
DFEUniMed	string	Measure unit
DFEArtBienSer	integer	Product=0/Service=1
DFEArtExcento	integer	Tax exempt=1/No exempt =0
DFEDetCampAdi01	string	Additional field
DFEDetCampAdi02	string	Additional field

DFEDetCampAdi03	string	Additional field
DFEDetCampAdi04	string	Additional field
DFEDetCampAdi05	string	Additional field
Taxes / Impuestos		
EmplImpCod	integer	TAX code
EmplImpDocValor	decimal	TAX value

Returns an Xml with the DTE and PDF of the electronic invoice generated:

```
<DTE NombreDTE="" NoDocto="" Fecha="">
<CFDArchivo Tipo="XML">Base64</CFDArchivo>
<CFDArchivo Tipo="PDF">Base64</CFDArchivo>
</DTE>
```

Xml that returns if error:

```
<ERRORES>
<ERRORCodigo="" Linea="" Columna="">Mensaje de Error</ERROR> </ERRORES>
```