FACTUREZI GRATUIT ONLINE

API Methods - FGO integration

v.6.5

Contents

VERSION HISTORY

Version	Details	Data
6.5	Items(Products/Services): - Added a new parameter for method /**articol/articolemodificate**	07.07.2023
6.4	Document issue: - Added stock info on the response; - Updated description for Client[IdExtern]	16.09.2023
6.3	Items(Products/Services): - Added new method /**articol/articolemodificate**: will return all the items modified in the last hour(s) (parametrized value); - /articol/getlist method will be decomissioned starting with 01.07.2023; - /articol/list method will have a throttle of 30sec starting with cu 01.07.2023;	04.04.2023
6.2	Document issue: - Item quantity validation	8.11.2022
6.1	Document issue: - Default setting **TipFactura=X** (Invoice Type=X) if the company has the OSS check mark, the customer is foreign and the type of sent document is Factura (Invoice)	24.10.2022
6.0	Documentation update refering to v.5.5	22.06.2022
5.9	Document issue: - Documentation update: **Continut[i][CodCentruCost]** field	17.05.2022
5.8	Document issue: - the duplicate check will be performed only if true is specified in the **VerificareDuplicat** (Duplicate Check) parameter and only by: a. IdExtern; b. Serie (series) and Numar (number) simultaneously;	13.04.2022
5.7	Invoice return: - Added optional parameters: SerieStorno, NumarStorno, DataEmitere (Return Series, Return number, Issue Date)	04.02.2022
5.5	Key value: - added cities list; Document issue: - added Client[Localitate] field (client's city);	15.12.2021
5.4	Document issue: - improved customer search by IdExtern, CodUnic, Nume (External ID, Unique Code, Name); - Client[CodUnic] validation for individual clients from Romania – if CodUnic is invalid, this info will be ignored for search and save. - minor bug fixes;	25.10.2021
5.3	Document issue: - added optional parameter **ValideazaCodUnicRo** (validate company's unique identification code) – if true, the unique code will be validated for legal entities customers from Romania.	18.10.2021
5.2	Document issue: - Validation for Client[CodUnic] field was implemented; we were forced to introduce this validation because, although in a small percent, there were cases when users din not use it correctly.	05.10.2021
5.1	Document issue: - Documentation update - **Continut[i][CodCentruCost]** field	31.08.2021
5.0	Document issue: - **Client[Strain]** (foreign client) field will be ignored. **Client[Tara]** (client's country) will be taken into account. See detailed explanations below, next to each field.	24.08.2021
4.9	Document issue: - timeout was implemented for the invoice issue method. An invoice will be issued in max 15 seconds; for this period of time we guarantee success for over 99.5% of the calls - Serie (series) validation – mandatory field;	20.08.2021
4.7	Information about multiple methods calls:	06.07.2021

	- Billing/Collection: 1 request per 1 second - Items: 1 request every 5 seconds	
4.6	Info: - PlatformaUrl parameter has been introduced in all API methods; Items: - List, Get, GetList: starting 01.06.2021, information about stock will be available for FGO Premium and Enterprise	13.05.2021
4.4	Items: - new **GetList** method for items list by a list of codes – available for FGO Enterprise Document issue: - additional explanations for these fields: NrProduse (number of products), PretUnitar (unit price), PretTotal (total price)	22.02.2021
4.3	Modified **ListFacturiAsociate** method (Linked invoices list)– also returns the link of the invoice - **ListFacturiAsociate** (Linked invoices list) and **List articole** (items list) methods – starting 1.03.2021 these methods are only available for FGO Enterprise	27.01.2021
4.2	Added **ListFacturiAsociate** method (Linked invoices list)– returnes a list with invoices that are linked to a proforma (Series, Number, Value, Issue date and Collected Value)	18.01.2021
4.1	**Incasare** (Collection) and **StergereIncasare** (Delete collection) methods, **GetStatus** (regarding the collection status) have been decommissioned in 15.12.2020 for FGO Pro; they are available only for FGO Premium & Enterprise	09.12.2020
4.0	Document issue: - added new invoice type: **[TipFactura] = Deviz** (estimate)	23.11.2020
3.9	Collect: - Incasare (collect) and StergereIncasare (delete collection) methods will be decommissioned on 15.12.2020 Issue: - bug fix GetStatus	6.11.2020
3.8	Document issue: - additional explanations for **Continut[i][PretTotal]** (Content- total price) - added new invoice types (**U** art. 311 services, **H** art. 312 sales, **N** Non-taxable operations, **X** art. 314-315 Special regime)	23.10.2020
3.7	Document issue: - possibility of overwriting Continut[i]Descriere (Content- Description) field and/or the possibility to concatenate existing Descriere (Description) with the value sent through API	01.07.2020
3.6	Items: - Added GET method: item search by code	25.03.2020
3.5	Document issue: - Added **Client[PlatitorTVA]** field (Client VAT Payer)	24.02.2020
3.4	Document issue: - If both Series and Invoice number are sent simultaneously, the invoice will be issued without double check the existence of that certain number - Check duplicate invoice by IdExtern (order ID): if the order ID is being sent from the online store (WooCommerce, Prestashop), it will be checked if there is already an invoice issued for that order ID	30.09.2019
3.3	Collect/receipt: - Added new fields: **ContIncasare** (Collect Account) si **SerieChitanta** (Receipt Series)	16.08.2019
3.2	Document issue: - Added **ContBancar** field (Bank Account) – you can save the bank account for each client; AWB: - Added **AWB** method – saves an AWB number for an invoice in order to simplify identification and processing couriers' slips.	07.08.2019
3.1	Document issue: - Added the possibility of creating an order (TipFactura "Comanda"); these will be saved in "Comenzi" (orders) page, in your FGO account.	04.06.2019
3.0	Invoice issue: Added **IdExtern** parameter – order ID (from your online store) for which you issue the invoice;	23.05.2019
2.9	Added **GetStatus** method – returns the total amount of an invoice and the paid amount	22.05.2019

2.8	- Client[Tip] – required field; - Automatically mark client as VAT payer (if CodUnic contains RO or other initials of other countries); - client method - list - displays existing clients in FGO;	03.04.2019
2.7	Added the possibility to issue invoice with TipFactura "Scutit cu deducere" – S (exempt with deduction)	11.02.2019
2.6	Data type for **Continut[i][NrProduse]** changed from int to decimal	01.02.2019
2.5	- Added parameter **DataScadenta** for invoice issue; - Bug fixes;	09.01.2019
2.4	- Added method **StergereIncasare** for receipt deletion; - Added method /**articol/list** for items list;	19.12.2018

INTRODUCTION

INFO: FGO platform is also available in English; after login, click on your company's name shown in the right corner from the top bar, go to Language/Limba and select English.

Before API requests, you must follow the steps below:

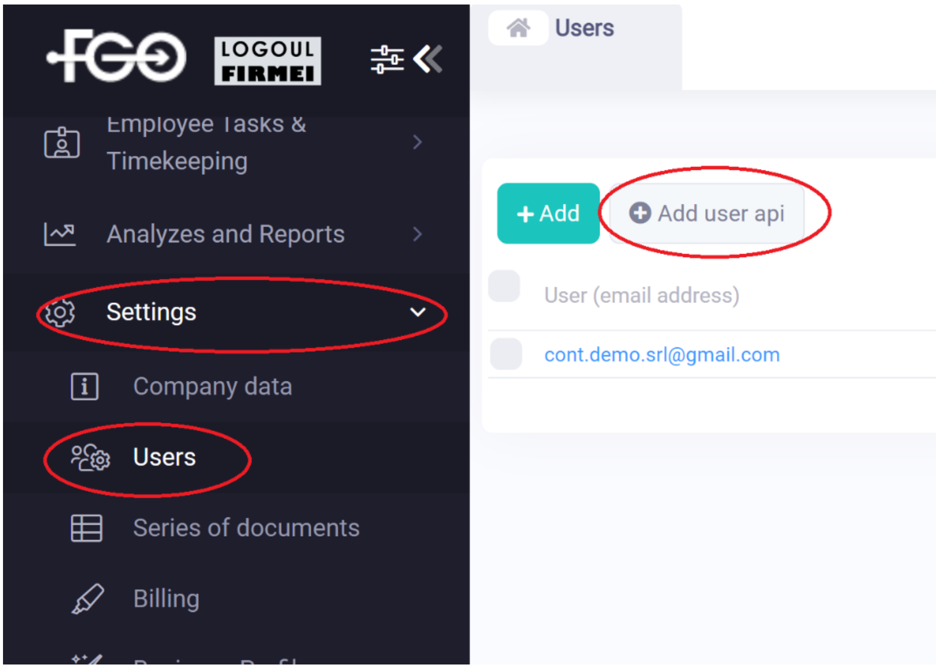
1. **Create FGO account:**
   - Test environment: http://testapp.fgo.ro/inregistrare
   - Production environment: https://www.fgo.ro/inregistrare

   Notes:

   - The two environments are independent and do not synchronize with each other. Therefore, you will have to create an account for each environment in order to switch from testing to production.
   - For the TEST environment, you do NOT need a paid subscription, as it works with FGO Free. For production environment, you need Pro, Premium or Enterprise subscription.

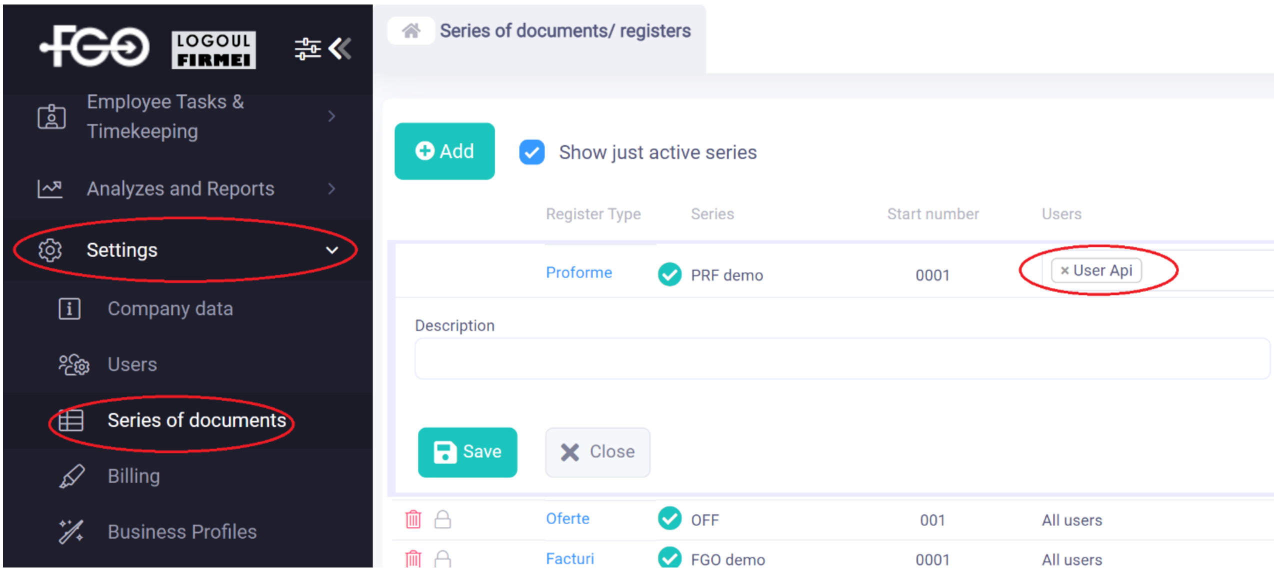
2. **Add API user:**

   Login to your FGO account and go to Settings – Users, from the side menu. Press Add API user to activate API connection. After adding the API user, you will see the password into a popup window. You can see the password again anytime by clicking on „User API" from the users list.
   For PRODUCTION environment, you need PRO, PREMIUM or ENTERPRISE subscription.



3. **Define series:**
In your FGO account, access Settings – Series of documents and define series for:
- Facturi (invoices)
- Proforme (orders)
- Chitante (receipts)

Give user API access to the desired series by selecting it in the „Users” field. You can create new series to be used only by your API user or you can use the same series for all users.



REQUESTS

Root links:

- For testing: http://testapp.fgo.ro/publicws/
- For production: https://api.fgo.ro/v1

You can access test forms and latest documentation at this address:
http://testapp.fgo.ro/publicws/testing.html and https://api.fgo.ro/v1/testing.html

Available API methods:

ROOT	Controller	Method	
	nomenclator/	tara	(country)
	nomenclator/	judet	(county)
	nomenclator/	tva	(vat)
	nomenclator/	banca	(bank)
http://testapp.fgo.ro/publicws/	nomenclator/	tipincasare	(cashing type)
	nomenclator/	tipfactura	(invoice type)
or	nomenclator/	tipclient	(client type)
	nomenclator/	localitati?judet=<<judet>>	
https://api.fgo.ro/v1/	factura/	emitere	(issue)
	factura/	print	(print)
	factura/	stergere	(delete)
	factura/	anulare	(cancel)
	factura/	incasare	(cashing)

KEY VALUE LISTS

You can access key value lists lists through GET.

Example: http://testapp.fgo.ro/publicws/nomenclator/tipfactura

The answer will be a JSON similar to the one below:

{ "Success": true, "List": [{"Nume": "Valoare"}] }

*Nume = Name; Valoare = Value

INVOICE

ISSUE

POST Request

Link: ROOT/factura/emitere

Limit: 1 request per second

Response time is maximum 15 seconds. In case the invoice is not issued in 15 seconds, you should receive this message:

{ Success = false, Message = "Timpul maxim pentru emiterea unei facturi a expirat. Factura nu a fost emisa si este necesar sa reincercati. [x]" Maximum time response has expired. The invoice has not been issued and you must retry. [x] }

Where [x] represents an internal code with values from 1 to 7, which will be helpful in case it is necessary to look further into the problem.

The 15 seconds refer to the period of time between the moment when FGO receives the request and the moment it responds. The total time, including the time your platform builds and sends the request, can be longer than 15 seconds.

Parameter	Type	Required	Notes
CodUnic (Unique code)	string	x	Your company's unique identification code
Hash	string	x	Scroll down and read section „How to calculate HASH"
Text	string(2000)		You can add information that will appear on the invoice (example: delegate's name)
Explicatii (Explanations)	string(2000)		Additional information that will appear on the invoice
Valuta (Currency)	string(3)	x	See „Valuta" (currency) key value list
TipFactura (InvoiceType)	string(50)	x	See „TipFactura" (invoice type) key value list If the following conditions are met, invoice type will be automatically set to type **X**: • the company has the OSS check mark • the customer is foreign • document type is Factura (invoice)
DataEmitere (issue date)	datetime		If you don't send any value, the default date will be the date and time of the request Format: yyyy-mm-dd
DataScadenta (due date)	datetime		Optional parameter; If you don't send any value, the default number of days will be the one set in your FGO account (Setari - Factura - Setari facturare -> Zile scadenta Settings – Invoice – Billing settings -> Days to maturity)
Numar (number)	string(50)		If you don't send any value, FGO will automatically generate the next available invoice number, according to your settings
Serie (series)	string(50)		If you don't send any value, FGO will use the default series according to your settings
TvaLaIncasare (VAT on collection)	bool		Accepts true or false
VerificareDuplicat (duplicate verification)	bool		Accepts true or false. The duplicate check will be executed only if „**true**" value is sent along with **IdExtern** (external ID) or **Serial and Number** simultaneously
ValideazaCodUnicRo (unique code validation)	bool		Optional parameter. Gets true/false values. If true is transmitted, the unique code will be validated according to this link only for legal persons customers for which Client[Country] Romania or RO is transmitted in the parameter.
IdExtern	string(36)		The order id (from the online store) for which the invoice is generated.
Client[Denumire] (Client Name)	string(255)	x	Client's name
Client[CodUnic] (Client Unique code)	string(128)		Client's Unique Identification Code If your client is a person, not a company, and you don't have this code or is incorrect, make sure the address is completed following the format: Loc. [city name], Str. [street name], Nr. [street number] and, if neccessary: Bl. [building], Sc. [staircase number] Et. [floor], Ap. [apartment] If the personal identification number is not valid (does not comply with the validation according to this link), the client will not be identified by CodUnic (unique code), respectively the unique code will not be saved in FGO.
Client[NrRegCom] (Client Trade Register Number)	string(128)		Client's trade register number (Registrul Comertului)

Client[Email]	string(100)		Client's email address
Client[Telefon]	string(100)		Client's phone number
Client[Tara] (country)	string(128)		See „Tara" (Country) key value list
Client[Judet] (county)	string(100)		See „Judet" (County) key value list (validation is made only when Client[Tara] contains ROMANIA or is empty)
Client[Localitate] (city)	string(100)		If the sent value for Country is Romania, the value for Localitate belongs to the published key value list, depending on the County field. If the country is other than Romania, the field should be filled in with the name of the city from that country. Attention!: the city and county fields are important for periodic accounting documents.
Client[Adresa] (address)	string(500)		Make sure the address is filled in following the format: Loc. [city name], Str. [street name], Nr. [street number] and, if neccessary: Bl. [building], Sc. [staircase number] Et. [floor], Ap. [apartment] For persons without personal identification number, identification is made using this criteria: • Client[IdExtern] – if transmitted • Denumire (Name) + Judet (County) If there are several clients with the same name and the same county, the city transmitted in the Client[Localitate] field is also taken into account
Client[Tip] (type)	String(2)	x	See „TipClient" (client type) key value list (company/individual)
Client[IdExtern]	int		It allows sending an ID from a third party application, in order to correctly identify and save a client (useful especially for individual clients for whom you do not have the unique code). To enable/disable the identification function by IdExtern field, go to FGO -> Settings -> eCommerce -> API Settings.
~~Client[Strain]~~ (foreign = not romanian)	bool		~~If the value is **true,** you can send any VAT rate for Continut[i][CotaTVA]~~ A customer is considered foreign if you fill in the Client[Tara] field with a country other than Romania. If the country is different from Romania, that country's VAT rate will be accepted. (If the client's country is Romania and you send a VAT rate that does not exist in Romania, you will receive an error)
Client[ContBancar] (bank account)	string(100)		Bank Account
Client[PlatitorTVA] (vat payer)	bool		Gets true/false values. If the client is a company and you send true or false value, this will be taken into account. If you don't send a true/false value, the information will be looked up and retreived from FGO's database regarding companies from Romania. If this information is not found, there are two cases:

<table>
<tr><td></td><td></td><td></td><td>If the company’s unique code that you send is preceded by two letters, the company will be considered a VAT payer
If the company’s unique code that you send is NOT preceded by two letters, the company will be considered a VAT non-payer</td></tr>
<tr><td>Continut[i][Denumire]
(content/item name)</td><td>string(1000)</td><td>x</td><td>Item’s name (product/service).
An article with a different name is a new article and will automatically receive a new identifier</td></tr>
<tr><td>Continut[i][CodArticol]
(content item code)</td><td>string(128)</td><td></td><td>This information is used to search/identify items more easily; when the item code is found, the name is no longer relevant and FGO does not update it automatically.

The item code is received and filled in FGO for new items, only if there is no connection with SAGA; otherwise, the item code is only used for search.

1.1 If the connection with SAGA is active, the items from FGO without a code will go to SAGA and get a code from SAGA

1.2 If there is no connection with SAGA, the new items sent via API in FGO containing item code, will be saved in FGO using the name and code transmitted through API.

There will be no update made on items’ names already saved in FGO and / or SAGA.

If you are connected to SAGA, you can sync all items codes from SAGA to FGO, following these steps:

i. Export data from SAGA to FGO
ii. Import data in FGO (go to Settings – SAGA and click on „Load data from SAGA/Incarca datele din SAGA” button)</td></tr>
<tr><td>Continut[i][CodGestiune]</td><td>string(128)</td><td></td><td>It allows the transmission of the management code for an item, for the correct download into accounting.</td></tr>
<tr><td>Continut[i][Descriere]
(content item description)</td><td>string(4000)</td><td></td><td>The value transmitted in this field will be placed on the issued invoice, instead of the existing description in the product list, but will not overwrite that existing description.
If you want to keep the product description from FGO it is enough to specify the text [[descriere]].
If you want to add more information to the existind description in FGO, you cand use this syntax: [[descriere]] text suplimentar where instead of „text suplimentar” you will write your text and [[descriere]] will be automatically replaced with the description saved in FGO.<table><tr><td>FGO item’s description</td><td>Description sent via API</td><td>Result on the invoice</td></tr><tr><td>ABC</td><td>Empty string “”</td><td>ABC</td></tr><tr><td>ABC</td><td>123</td><td>123</td></tr></table></td></tr>
</table>

<table>
<tr><td></td><td></td><td></td><td><table><tr><td>ABC</td><td>[[descriere]] 123</td><td>ABC 123</td></tr><tr><td>ABC</td><td>[[descriere]]</td><td>ABC</td></tr><tr><td>ABC</td><td>Space „ „</td><td></td></tr></table></td></tr>
<tr><td>Continut[i][PretUnitar] (unit price)</td><td>decimal</td><td></td><td>Calculation direction: classic (from unit price to total price)
Unit price format: XXXX.XX (must be a positive number; for items with a negative value, you must send -XXXX.XX in this field: Continut[i][NrProduse] Content[i][Items number]
Important: for classic calculation,don’t send a value for [PretTotal] (total price), as total price will be automatically calculated.</td></tr>
<tr><td>Continut[i][PretTotal] (total price)</td><td>decimal</td><td></td><td>Calculation direction: reverse (from total price to unit price)
Unit price format: XXXX.XX
PretTotal represents total paid amount, including VAT and number of items
Important: for reverse direction of calculation, don’t send a value for [PretUnitar] (unit price), as unit price will be automatically calculated.</td></tr>
<tr><td>Continut[i][UM]</td><td>string(5)</td><td>x</td><td>Measure unit</td></tr>
<tr><td>Continut[i][NrProduse] (quantity)</td><td>decimal</td><td>x</td><td>Item’s quantity format: XXXX.XXX
For items with a negative value, you must send -XXXX.XX in this field: Continut[i][NrProduse]
Quantity must be <>0</td></tr>
<tr><td>Continut[i][CotaTVA] (vat rate)</td><td>decimal</td><td>x</td><td>See TVA (VAT) key value list
(If the client’s country is Romania and you send a VAT rate that does not exist in Romania, you will receive an error)
The VAT rate is sent according to this example:
- If the VAT is 19%, the value transmitted must be 19
- If the VAT is 6.1%, the value transmitted must be 6.1
- If the VAT is 0%, the value transmitted must be 0</td></tr>
<tr><td>Continut[i][CodCentruCost] (cost center)</td><td>string</td><td></td><td>CodCentruCost represents the cost center of an item. You must send one of the codes set in FGO.</td></tr>
<tr><td>PlatformaURL</td><td>string</td><td>x</td><td>URL address (root) which accesses FGO API. It is recommended that you include the full url address. Example: https://www.fgo.ro</td></tr>
</table>

Response


```
{
	"Success": true,
	"Message": "",
	"Factura": {
		"Numar": "001",
		"Serie": "BV",
		"Link": "",
		"LinkPlata": ""
	},
	"InfoStoc": [
		{
			"CodConta": "A1",
			"Nume": "Produs 1",
			"Stoc": 10.0
```

```
                },
                {
                                "CodConta": "A2",
                                "Nume": "Produs 2",
                                "Stoc": 5.0
                }
        ]
}
```

OR

Response

```
{
        "Success": false,
        "Message": "Mesaj eroare"
}
```

PRINT

POST Request

Link: ROOT/factura/print			
Limit: 1 request per second			
Parameter	Type	Required	Notes
CodUnic	string	x	Your company’s unique identification code
Hash	string	x	Scroll down and read section „How to calculate HASH” (section b)
Numar	string(50)	x	
Serie	string(50)	x	
PlatformaURL	string	x	URL address (root) which accesses FGO API. It is recommended that you include the full url address. Example: https://www.fgo.ro

Response

```
{
        "Success": true,
        "Message": "",
        "Factura": {
                "Numar": "001",
                "Serie": "BV",
                "Link": ""
        }
}
```

OR

Response

```
{
        "Success": false,
        "Message": "Mesaj eroare"
}
```

DELETE

POST Request

Link: ROOT/factura/stergere			
Limit: 1 request per second			
Parameter	Type	Required	Notes
CodUnic	string	x	Your company's unique identification code
Hash	string	x	Scroll down and read section „How to calculate HASH" (section b)
Numar	string(50)	x	
Serie	string(50)	x	
PlatformaURL	string	x	URL address (root) which accesses FGO API. It is recommended that you include the full url address. Example: https://www.fgo.ro

Response


```
{
    "Success": true,
    "Message": "Factura a fost stearsa"
}
```


OR

Response


```
{
    "Success": false,
    "Message": "Mesaj eroare"
}
```


*Message="Error"

CANCEL

POST Request

Link: ROOT/factura/anulare			
Limit: 1 request per second			
Parameter	Type	Required	Notes
CodUnic	string	x	Your company's unique identification code
Hash	string	x	Scroll down and read section „How to calculate HASH" (section b)
Numar	string(50)	x	
Serie	string(50)	x	
PlatformaURL	string	x	URL address (root) which accesses FGO API. It is recommended that you include the full url address. Example: https://www.fgo.ro

Response


```
{
  "Success": true,
  "Message": "Factura a fost anulata.",
}
```


OR

Response

```
{
	"Success": false,
	"Message": "Mesaj eroare"
}
```

*Message="Error"

GETSTATUS

returns the total amount of an invoice and the paid amount

POST Request

Link: ROOT/factura/getstatus			
Limit: 1 request per second			
Parameter	Type	Required	Notes
CodUnic	string	x	Your company's unique identification code
Hash	string	x	Scroll down and read section „How to calculate HASH" (section b)
Numar	string(50)	x	
Serie	string(50)	x	
PlatformaURL	string	x	URL address (root) which accesses FGO API. It is recommended that you include the full url address. Example: https://www.fgo.ro

Response

```
{
	"Success": true,
	"Factura": {
		"Numar": "1",
		"Serie": "X",
		"Valoare": "167.69",
		"ValoareAchitata": "167.69"
	}
}
```

OR

Response

```
{
	"Success": false,
	"Message": "Mesaj eroare"
}
```

*Message="Error"

ADD RECEIPT / CASHING

This method is available only for FGO Premium & Enterprise

POST Request

Link: ROOT/factura/incasare			
Parameter	Type	Required	Notes
CodUnic	string	x	Your company's unique identification code
Hash	string	x	Scroll down and read section „How to calculate HASH" (section b)
NumarFactura (invoice number)	string(50)	x	Invoice number for which you add cashing/receipt

SerieFactura (invoice series)	string(50)	x	Invoice series for which you add cashing/receipt
SerieChitanta (receipt series)	string(50)		Specify the receipt series if there are several series.
ContIncasare (collection account)	string(50)		The collection account that can be found in FGO Settings->Encashment -> accounting account
TipIncasare (cashing type)	string(50)	x	See TipIncasare (cashing type) key value list
SumaIncasata (ammount cashed in)	decimal	x	Ammount cashed in format: XXXX.XX
DataIncasare (cashing date)	datetime	x	Cashing date in format: yyyy-mm-dd hh:mm:ss
PlatformaURL	string	x	URL address (root) which accesses FGO API. It is recommended that you include the full url address. Example: https://www.fgo.ro

Response

```
{
	"Success": true,
	"Message": "",
	"Incasare": {
		"Numar": "001",
		"Serie": "BV"
	}
}
```

OR

Response

```
{
	"Success": false,
	"Message": "Mesaj eroare"
}
```

*Message="Error"

DELETE RECEIPT

This method is available only for FGO Premium & Enterprise

POST Request

Link: ROOT/factura/stergereincasare			
Limit: 1 request per second			
Parameter	Type	Required	Notes
CodUnic	string	x	Your company's unique identification code
Hash	string	x	Scroll down and read section „How to calculate HASH" (section b)
NumarFactura (invoice number)	string(50)	x	Invoice number for which you add cashing/receipt
SerieFactura (invoice series)	string(50)	x	Invoice series for which you add cashing/receipt
SerieIncasare (cashing series)	string(50)	x	Cashing series of the receipt you want to delete
NumarIncasare (cashing number)	string(50)	x	Cashing number of the receipt you want to delete

PlatformaURL	string	x	URL address (root) which accesses FGO API. It is recommended that you include the full url address. Example: https://www.fgo.ro

Response

```
{
   "Success": true,
   "Message": "Incasarea a fost stearsa.",
}
```

OR

Response

```
{
        "Success": false,
        "Message": "Mesaj eroare"
}
```

*Message="Error"

REVERSING INVOICE

POST Request

Link: ROOT/factura/stornare			
Limit: 1 request per second			
Parameter	Type	Required	Notes
CodUnic	string	x	Your company's unique identification code
Hash	string	x	Scroll down and read section „How to calculate HASH" (section b)
Numar (number)	string(50)	x	
Serie (series)	string(50)	x	
SerieStorno	string(50)		Reverse invoice series
NumarStorno	string(50)		Reverse invoice number
DataEmitere (issue date)	datetime		Issue date for the reverse invoice. If you don't send any value, the default date will be the date and time of the request Format: yyyy-mm-dd
PlatformaURL	string	x	URL address (root) which accesses FGO API. It is recommended that you include the full url address. Example: https://www.fgo.ro

Response

```
{
        "Success": true,
        "Message": "",
        "Factura": {
                "Numar": "001",
                "Serie": "BV",
                "Link": ""
        }
}
```

OR

Response

```
{
	"Success": false,
	"Message": "Mesaj eroare"
}
```

*Message="Error"

AWB

POST Request

Link: ROOT/factura/awb			
Limit: 1 request per second			
Parameter	Type	Required	Notes
CodUnic	string	x	Your company's unique identification code
Hash	string	x	Scroll down and read section „How to calculate HASH" (section b)
Numar (number)	string(50)	x	
Serie (series)	string(50)	x	
AWB	string(128)	x	AWB number
PlatformaURL	string	x	URL address (root) which accesses FGO API. It is recommended that you include the full url address. Example: https://www.fgo.ro

Response

```
{
	"Success": true
}
```

OR

Response

```
{
	"Success": false,
	"Message": "Mesaj eroare"
}
```

*Message="Error"

LINKED INVOICES LIST

POST Request

Link: ROOT/factura/listfacturiasociate			
Limit: 1 request per second			
Parameter	Type	Required	Notes
CodUnic	string	x	Your company's unique identification code
Hash	string	x	Scroll down and read section „How to calculate HASH" (section b)
Numar (number)	string(50)	x	
Serie (series)	string(50)	x	
PlatformaURL	string	x	URL address (root) which accesses FGO API. It is recommended that you include the full url address. Example: https://www.fgo.ro

Response

```
{
	"Success": true,
	"Facturi": [
		{
			"Numar": "1",
			"Serie": "X",
			"Valoare": "167.69",
			"ValoareAchitata": "167.69",
			"DataEmitere": "2020-12-14"
		}
	]
}
```

OR

{ Success = false, Message = "Mesaj eroare" } }

*Message="Error"

ITEMS (PRODUCTS/SERVICES)

LIST

This method is only available with FGO Enterprise. It is designed to be used for initial synchronization or other low-frequency synchronizations.

POST Request

Link: ROOT/articol/list			
Limit: 1 request per 5 seconds (starting with 01.0.7.2023 the value will be increased at 1 request per 30 seconds)			
Parameter	Type	Required	Notes
CodUnic	string	x	Your company's unique identification code
Hash	string	x	Scroll down and read section „How to calculate HASH" (section b)
NrPagina (number of pages)	int	x	For the paging calculation, consider the parameter „Total" you receive in response.
NrArticole (number of items)	int	x	Represents the number of items displayed on request. The default value is 10. For the paging calculation, will be considered the parameter „Total" received in response.
PlatformaURL	string	x	URL address (root) which accesses FGO API. It is recommended that you include the full url address. Example: https://www.fgo.ro

Response

```
{
	"Result": {
		"Total": 1335,
		"NrPagina": 1,
```

```
                "NrArticole": 1,
                "List": [
                        {
                                "Nume": " storno partial factura 036 servicii juridice",
                                "PretUnitar": 0,
                                "UM": "",
                                "CodConta": null,
                                "CotaTva": 0.19,
                                "Stoc": -4
                        }
                ]
        },
        "Success": true
}
```


OR

Response


```
{
        "Success": false,
        "Message": "Mesaj eroare"
}
```


GET

POST Request

Link: ROOT/articol/get			
Limit: 1 request per 5 seconds			
Parameter	Type	Required	Notes
CodUnic	string	x	Your company's unique identification code
Hash	string	x	Scroll down and read section „How to calculate HASH" (section b)
CodArticol (item code)	string	x	Item's code
PlatformaURL	string	x	URL address (root) which accesses FGO API. It is recommended that you include the full url address. Example: https://www.fgo.ro

Response


```
{
        "Result": {
                "Nume": " storno partial factura 036 servicii juridice",
                "PretUnitar": 0,
                "UM": "",
                "CodConta": null,
                "CotaTva": 0.19,
                "Stoc": -4
        },
        "Success": true
}
```


SAU

Response


```
{
```

"Success": false,
"Message": "Mesaj eroare"
}

GETLIST

This method will be replaced with /articol/articolemodificate

POST Request

Link: ROOT/articol/getlist			
Limit: 1 request per 5 seconds			
Parameter	Type	Required	Notes
CodUnic	string	x	Your company's unique identification code
Hash	string	x	Scroll down and read section „How to calculate HASH" (section b)
Coduri (codes)	array	x	Items' codes, maximum 30
PlatformaURL	string	x	URL address (root) which accesses FGO API. It is recommended that you include the full url address. Example: https://www.fgo.ro

Response


```
{
	"Result": [
		{
			"Nume": "Produs 1",
			"PretUnitar": 0,
			"CotaTva": 0.19,
			"UM": "BUC",
			"CodConta": "00000101",
			"Stoc": 0,
			"CodBare": null
		},
		{
			"Nume": "Produs 2",
			"PretUnitar": 0,
			"CotaTva": 0.19,
			"UM": "BUC",
			"CodConta": "00000102",
			"Stoc": 0,
			"CodBare": null
		},
		{
			"Nume": "Produs 3",
			"PretUnitar": 0,
			"CotaTva": 0.19,
			"UM": "BUC",
			"CodConta": "00000103",
			"Stoc": 0,
			"CodBare": null
		}
	],
	"Success": true
}
```

OR

Response

```
{
	"Success": false,
	"Message": "Mesaj eroare"
}
```

ARTICOLEMODIFICATE

This method is only available with FGO Enterprise. You can use this method when you want to see which items have undergone changes in the last 7 days (for example, to update stocks according to the sales of the last 7 days).

POST Request

Link: ROOT/articol/articolemodificate			
Limit: 1 request per **30 minutes**			
Parametru	Tip	Obligatoriu	Observatii
CodUnic	string	x	Your company's unique identification code
Hash	string	x	Scroll down and read section „How to calculate HASH" (section b)
NumarOre	int	x	The default number of hours if the parameter is not transmitted: 24. The maximum number of hours allowed: 170 hours.
NumarOrePanaLa	Int		If it is not provided, the most recent 200 changes from NumarOre (the previous parameter) until now are taken. If it is provided, the most recent 200 changes from NumarOre to NumarOrePanaLa are taken. The mechanism allows the simulation of pagination if there are more than 200 modified articles in the chosen interval.
PlatformaUrl	string	x	Adresa url (root) de la care se face apelul catre API FGO. Este recomandat ca url site-ului să fie introdus complet. Exemple: https://www.fgo.ro https://www.24edu.ro

Sample:

NumarOre=24, NumarOrePanaLa=20

If the request is made today at 12:00 p.m., all items modified, sold or purchased between yesterday 12:00 p.m. and yesterday 3:59:59 p.m. will be considered, **BUT NOT MORE THAN 200**

Response

```
{
	"Result": [
		{
			"Nume": "Produs 1",
			"CodConta": "00000101",
			"Stoc": 0,
			"CodBare": null,
			"UltimaUtilizare": "2023-03-15 20:45:00"
		},
		{
			"Nume": "Produs 2",
			"CodConta": "00000102",
```

```
                    "Stoc": 0,
                    "CodBare": null,
                    "UltimaUtilizare": "2023-03-15 20:55:00"
                }
        ],
        "Success": true
}
```

OR

Response

```
{
        "Success": false,
        "Message": "Mesaj eroare"
}
```

ADMINISTRATION

POST Request

Link: ROOT/articol/gestiune			
Limit: 1 request per 5 seconds			
Parameter	Type	Required	Notes
CodUnic	string	x	Your company's unique identification code
Hash	string	x	Scroll down and read section „How to calculate HASH" (section b)
PlatformaURL	string	x	URL address (root) which accesses FGO API. It is recommended that you include the full url address. Example: https://www.fgo.ro

Response

```
{
        "Result": {
                "List": [
                        {
                                "CodGestiune": "Cod1",
                                "Nume": "Nume1"
                        }
                ]
        },
        "Success": true
}
```

OR

Response

```
{
        "Success": false,
        "Message": "Mesaj eroare"
}
```

HOW TO CALCULATE HASH?

For any request, there will be built a SHA-1 **Uppercase** HASH, formed of:

a. Invoice issue

Hash=Cod Unic Furnizor (Your Unique Code)+Cheie Privata (Private Key)+Denumire Client (Client's name)

Ex:

- Cod Unic Furnizor: 2864518,
- Cheie Privata: 1234567890
- Denumire Client: Ionescu Popescu

Encryption is done -> SHA-1(28645181234567890Ionescu Popescu)

Hash=8C3A7726804C121C6933F7D68494B439463996E2

b. Anulare (cancel), Stornare (reverse), Print (print), Incasare (cashing) or StergereIncasare (cashing deletion), instead of client's name you will send **invoice number**, exactly as returned by the issuing method (Ex. "001", "123") without series.

Ex:

- Cod Unic Furnizor (Your Unique Code): 2864518,
- Cheie Privata (Private Key): 1234567890
- Numar Factura (Invoice Number): 123

Encryption is done -> SHA-1(28645181234567890**123**)

c. Items

Ex:

- Cod Unic Furnizor: **2864518**,
- Cheie Privata: 1234567890

Encryption is done -> SHA-1(**2864518**1234567890)