

Good Afternoon Interactive

C.I.F.: 27384302 | **R.C.:** J40/8697/2010

IBAN: RO44INGB0000999902115301 ING Bank suc. Moșilor

ADRESA: Str. Râmnicu Vâlcea nr. 14 bl. 39A sc. 2 ap. 47, Sector 3, București

EMAIL: welcome@goodafternoon.ro | **SITE WEB:** www.goodafternoon.ro



EasyBill.ro API Integration

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Short description

The scope of this guide is to present the required integration of EasyBill with other platforms via APIs.

The integration will be performed via REST web services (stateless) exposed by EasyBill. All the services must include the SessionId attribute, except the Login web service.

For testing purposes, you can use the following credentials:

End-user (can login in EasyBill interface to manage services)

- Username: test@easybill.ro
- Password: test1234
- URL: <https://apps.easybill.ro>

API user:

- Username: test-api
- Password: test1234
- Endpoint web service: <https://apps.easybill.ro/cgi-bin/index.cgi?action=plugin>

EasyBill account set-up

For EasyBill account creation you need to provide us the following information:

1. Company details: Company name, Unique Identifier, Trade Registry Number, Bank, Bank Account, VAT, etc;
2. Visual elements: logo and background logo;
3. Invoice and payment documents series;
4. Invoice template;
5. Email template (optional)

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Integration methods

You can use one of the following integration methods:

- a) Simple
- b) Complex – the products are added in the Product catalogue.

In both cases, we recommend the invoicing to be performed in RON in order to avoid the roundings..

Simple integration method

It include the following flow:

- 1) Login
- 2) Invoice generation and product addition
 - a) In RON
 - b) In EUR
- 3) Invoice PDF Download
 - a) Using the standard template
 - b) Using the personalized template
- 4) Logout

Complex integration method

- 1) Login
- 2) Client search
- 3) Add new clien in case it doesn't exist
- 4) Invoice generation and product addition
 - a) In RON

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- b) In EUR
- 5) Invoice PDF Download
 - a) Using the standard template
 - b) Using the personalized template
- 6) Logout

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Services' parameters

Login: authenticateUser

This service is used to create the session in EasyBill. It returns the attributes required by other web services. If the status equals 1 (success) you must keep the AppUnique (unique identifier of the company), UserId and SessionId. These attributes must be passed to all other services.

Supported HTTP Methods

Get, Post

End-point

<https://apps.easybill.ro/cgi-bin/index.cgi?action=plugin>

Input parameters:

Parameter	Description	Example
mode(=api)		
Sec (=authenticateUser_fct)		
Username		
Passwords		

Output parameters:

Parametru	Descriere	Exemplu
status		
SessionId		
AppUnique		
UserId		

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Example

https://apps.easybill.ro/cgi-bin/index.cgi?action=plugin&mode=api&sec=authenticateUser_fct&Username=test-api&Password=test1234

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Invoice generation: createInvoice

This service is used to create an invoice

Supported HTTP Methods

POST, GET

End-point

<https://apps.easybill.ro/cgi-bin/index.cgi?action=plugin>

Input parameters:

Parameter	Description	Exemple
sessionId (cookie)		
AppUnique		
UserId		
mode (= api)		
sec (=createInvoice_fct)		
clientId	If the clientId is returned, the service ignore the other attributes: clientName, etc. If it isn't, the service will create a new customer based on these attributes	
clientName		
clientCIF		
clientNrRegCom		
clientAddressLine		
clientCounty		

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Parameter	Description	Exemple
clientEmail		
clientBankAccount		
clientBank		
invoiceNoProducts		
invoiceStatus	0-Open 1-Finalized	
invoiceDate		2012-01-01
invoicePaymentTerms		
productId	If it is present, the service will ignore the other product fields.If it isn't, a new product is created based on the specified product attributes.	
productName		
productSerial		
productWarranty		
productUMI		
productQuantity		
productPrice		
productVAT		
productCurrency	In case the currency is not RON, the conversion will be performed automatically	EUR, RON
representativeName		
representativeIdentitySeries		

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Parameter	Description	Exemple
representativeIdentityNumber		
representativeIdentityEmittedBy		
representativeIdentityTransportType		
representativeIdentityTransportNumber		
productWarehouseI		
json=1	The output will be in JSON format	
xml=1	The output will be in XML format	

I=1..N – are numbers representing the fields.

Output parameters:

Parameter	Description	Exemple
status		
ebInvoiceNumber	Unique identifier of the invoice in EasyBill	

Example

Generate a new invoice and add a product

https://apps.easybill.ro/cgi-bin/index.cgi?action=plugin&SessionId=7a29dceaa50d00e0a026ac1eff441986&AppUnique=44235149x19418608&UserId=507&mode=api&sec=createInvoice_fct&clientName=Client%20Test&clientCIF=Ro1234&clientNrRegCom=J11%2F12%2F2013&json=1&&invoiceDate=2013-01-01&invoiceNoProducts=1&productName1=Produs%201&productQuantity1=1&productVAT1=24&productPrice1=10&productCurrency1=RON&invoiceStatus=1

Generate a new invoice and add a product in EUR

<https://apps.easybill.ro/cgi-bin/index.cgi?action=plugin&SessionId=7a29dceaa50d00e0a026ac1eff441986&AppUnique=44235149x1941860>

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[8&UserId=507&mode=api&sec=createInvoice_fct&clientName=Client%20Test&clientCIF=Ro1234&clientNrRegCom=J11%2F12%2F2013&json=1&&invoiceDate=2013-01-01&invoiceNoProducts=1&productName1=Produs%201&productQuantity1=1&productVAT1=24&productPrice1=10&productCurrency1=EUR&invoiceStatus=1](https://apps.easybill.ro/cgi-bin/index.cgi?action=plugin&SessionId=7a29dceaa50d00e0a026ac1eff441986&AppUnique=44235149x19418608&UserId=507&mode=api&sec=createInvoice_fct&clientName=Client%20Test&clientCIF=Ro1234&clientNrRegCom=J11%2F12%2F2013&json=1&&invoiceDate=2013-01-01&invoiceNoProducts=1&productName1=Produs%201&productQuantity1=1&productVAT1=24&productPrice1=10&productCurrency1=EUR&invoiceStatus=1)

Generate the invoice and add a product from Product Catalogue with a different price

https://apps.easybill.ro/cgi-bin/index.cgi?action=plugin&SessionId=7a29dceaa50d00e0a026ac1eff441986&AppUnique=44235149x19418608&UserId=507&mode=api&sec=createInvoice_fct&clientName=Client%20Test&clientCIF=Ro1234&clientNrRegCom=J11%2F12%2F2013&json=1&&invoiceDate=2013-01-01&invoiceNoProducts=1&productId1=2635&productQuantity1=1&productPrice1=15&invoiceStatus=1

Generate the invoice and add a product from Product Catalogue

https://apps.easybill.ro/cgi-bin/index.cgi?action=plugin&SessionId=7a29dceaa50d00e0a026ac1eff441986&AppUnique=44235149x19418608&UserId=507&mode=api&sec=createInvoice_fct&clientName=Client%20Test&clientCIF=Ro1234&clientNrRegCom=J11%2F12%2F2013&json=1&&invoiceDate=2013-01-01&invoiceNoProducts=1&productId1=2635&productQuantity1=1&invoiceStatus=1

Generate the invoice for an existing customer

https://apps.easybill.ro/cgi-bin/index.cgi?action=plugin&SessionId=7a29dceaa50d00e0a026ac1eff441986&AppUnique=44235149x19418608&UserId=507&mode=api&sec=createInvoice_fct&clientId=2688&json=1&&invoiceDate=2013-01-01&invoiceNoProducts=1&productId1=2635&productQuantity1=1&invoiceStatus=1

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Invoice PDF download: downloadInvoice_fct

This method is used to download the invoice from EasyBill in PDF format.

Supported HTTP Methods

Get

End-point

<https://apps.easybill.ro/cgi-bin/index.cgi?action=plugin>

Input parameters:

Parameter	Description	Exemple
mode(=api)		
Sec (=downloadInvoice_fct)		
SessionId		
AppUnique		
nh=1	You must specify the response to be without HTTP header	
fact	Invoice Id	
dim	Template	a4, b5, 2489
UserId		

The HTTP response will contain the invoice PDF.

Exemple

Invoice PDF Download – standard template

https://apps.easybill.ro/cgi-bin/index.cgi?action=plugin&SessionId=7a29dceaa50d00e0a026ac1eff441986&AppUnique=44235149x19418608&mode=api&sec=downloadInvoice_fct&nh=1&fact=4153&dim=a4&UserId=507

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Invoice PDF Download – custom template

https://apps.easybill.ro/cgi-bin/index.cgi?action=plugin&SessionId=7a29dceaa50d00e0a026ac1eff441986&AppUnique=44235149x19418608&mode=api&sec=downloadInvoice_fct&nh=1&fact=4153&dim=2489&UserId=507

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Search customer: searchClient_fct

Search a customer in EasyBill

Supported HTTP Methods

Get

End-point

https://apps.easybill.ro/cgi-bin/index.cgi?action=plugin&mode=api&sec=searchClient_fct

Input parameters:

Parameter	Description	Exemple
SessionId (cookie)		
AppUnique		
UserId		
query		

Output parameters

The results are returned as an array

Parameter	Description	Exemple
Status		
statusMessage		
clientName		
clientCIF		
clientNrRegCom		
clientAddressLine		

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Parameter	Description	Exemple
clientCounty		
clientContactPerson		
clientEmail		
clientBankAccount		
clientBank		

Exemple

https://apps.easybill.ro/cgi-bin/index.cgi?action=plugin&mode=api&sec=searchClient_fct&SessionId=7a29dceaa50d00e0a026ac1eff441986&AppUnique=44235149x19418608&UserId=507&query=Ro1234

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Add a new customer: addClient_fct

The service will add a new customer in EasyBill

Supported HTTP Methods

Get, Post

End-point

https://apps.easybill.ro/cgi-bin/index.cgi?action=plugin&mode=api&sec=addClient_fct

Input parameters:

Parameter	Description	Exemple
SessionId (cookie)		
AppUnique		
UserId		
mode(=api)		
sec(=addClient_fct)		
clientName		
clientCIF		
clientNrRegCom		
clientAddressLine		
clientCounty		
clientContactPerson		
clientEmail		
clientBankAccount		
clientBank		

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Output parameters

Parameter	Description	Exemple
Status		
statusMessage		
clientId		

Exemple

https://apps.easybill.ro/cgi-bin/index.cgi?action=plugin&mode=api&sec=addClient_fct&SessionId=7a29dceaa50d00e0a026ac1eff441986&AppUnique=44235149x19418608&UserId=507&clientName=Client%20Name%201&clientCIF=Ro1234&clientNrRegCom=J11%2F12%2F2013

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Logout: logoutUser_fct

Destroy the current session

Supported HTTP Methods

Get

End-point

<https://apps.easybill.ro/cgi-bin/index.cgi?action=plugin>

Input parameters:

Parameter	Description	Exemple
mode(=api)		
Sec (=authenticateUser_fct)		
Username		
Passwords		

Output parameters:

Parameter	Description	Exemple
status		

Exemple

https://apps.easybill.ro/cgi-bin/index.cgi?action=plugin&mode=api&sec=authenticateUser_fct&Username=test-api&Password=test1234

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EasyBill allows you to personalize you invoice

EasyBill allows you to personalize your invoice and adapt it to your branding. We create a list of placeholders which can be added in the invoice template. When the invoice is generated, these placeholders are automatically replaced with the specific invoice information by EasyBill.

Invoice information

<!--InvoiceType-->	Invoice type
<!--InvoiceNumber-->	Invoice number
<!--InvoiceSeries-->	Invoice series
<!--InvoiceWithoutVAT-->	If the invoice is without VAT, the value of this parameter will be 1
<!--InvoiceVATCollection-->	Specifies if the VAT is at collection of the invoice
<!--InvoiceDate-->	Invoice date
<!--InvoiceNotice-->	Notice
<!--InvoiceCustomer-->	Customer name
<!--InvoiceTradeRegistry-->	Trade registry number of the customer
<!--InvoiceFiscalCode-->	Fiscal code / Unique identifier of the customer
<!--InvoiceCustomerAddress-->	Billing address of the customer
<!--InvoiceCustomerCounty-->	Billing address county of the customer
<!--InvoiceBankAccount-->	Bank account of the customer
<!--InvoiceBank-->	Customer's bank
<!--InvoiceRepresentativeName-->	Delegated person
<!--InvoiceRepresentativeIdentityCard-->	Delegate person ID
<!--InvoiceRepresentativeVehicle-->	Delegated person vehicle number
<!--InvoiceClosed-->	If the invoice is closed, this parameter will be set to 1

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<!--InvoiceCanceled-->	If the invoice is cancelled, this parameter will be set to 1
<!--InvoiceBalancePayment-->	The amount to be paid
<!--InvoiceTotalPayment-->	Total amount of the invoice
<!--InvoiceTotalVAT-->	Total VAT for the invoice
<!--InvoicePaymentTerms-->	Payment terms
<!--InvoiceOverdue-->	Invoice due date
<!--InvoicePaymentURL-->	The online payment link. This link allow the customer to pay online the invoice using EasyBill
<!--InvoiceComments-->	Invoice comments

Product entries

The start and the end for the product zone template must be marked using the following placeholders:

<!--invoiceEntryStart-->

<!--invoiceEntryEnd-->

The product zone must be specified using the following placeholder <!--invoiceProducts-->

You can use the following placeholder to personalize your product zone

<!--productName-->	Product name
<!--productSerialNumber-->	Product Serial Number
<!--productWarranty-->	Product warranty
<!--productMeasurementUnit-->	Unit of measurement
<!--productQuantity-->	Quantity
<!--productPrice-->	Price
<!--productVAT-->	VAT (percentage)
<!--productVATValue-->	VAT (value)
<!--productTotalWithoutVAT-->	Total product without VAT

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<!--productTotalWithVAT-->	Total product with VAT
<!--productWarehouseName-->	Warehouse/Store name
<!--productComments-->	Product comments

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<!--sellerName-->	Seller name
<!--sellerSSN-->	Seller fiscal code/unique identifier
<!--sellerTradeRegistry-->	Seller trade registry number
<!--sellerAddress-->	Seller address
<!--sellerLogo-->	Seller logo
<!--sellerBackgroundLogo-->	Seller background logo
<!--sellerPerson-->	Seller Name
<!--sellerPersonSSN-->	SSN of the seller's agent
<!--sellerPersonId-->	Seller's agent ID
<!--sellerVAT-->	Seller VAT value
<!--sellerWithoutVAT-->	This parameter will be set to 1 in case the seller doesn't pay VAT
<!--sellerVATAtCollection-->	This parameter will be set to 1 in case the seller pays VAT at collection