Passion for Technology		

GUS Data Import in Microsoft Dynamics AX/365



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Confidentiality

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1. GUS WEBSERVICE

The REGON registry web service (BIR1, including version BIR1.1) provides access to open public data of the Polish Central Statistical Office (GUS) register.

• The creation or purchase of software for downloading the above data is the responsibility of the Service Recipient

• The same scope of data is also available in the on-line search engine at: https://wyszukiwarkaregontest.stat.gov.pl/appBIR/index.aspx

• Access to the BIR1 service is free, without a time limit.

The BIR1 data sharing service is part of the Regon Internet Database (BIR) module, which is part of the modernized REGON registry system. The BIR1 service provides a programming interface - a set of methods that make it possible to download data from the REGON register directly from an external system. The main functionality of the service is to share data with individuals and commercial entities.

BIR data updates:

The BIR production base is synchronized every few minutes with the state of the transaction base. In turn, the timeliness of transaction database data depends on the state of data in primary registers (including CEIDG, KRS, RSPO), because the REGON register is the, so-called, secondary register.



2. DATABASE ACCESS

The structure of data that can be imported from Polish Central Statistical Office (GUS) is available on the organization's official website:

https://api.stat.gov.pl/Home/RegonApi

Rules of usage of the GUS webservice and data can be found below:

https://bip.stat.gov.pl/kontakt-z-urzedem/ponowne-wykorzystywanie-informacji-sektora-publicznego/

TEST ENVIRONMENT

An access to test database of GUS doesn't require registration

Service address: https://wyszukiwarkaregontest.stat.gov.pl/wsBIR/UslugaBIRzewnPubl.svc

WSDL: https://wyszukiwarkaregontest.stat.gov.pl/wsBIR/wsdl/UslugaBIRzewnPubl-ver11-test.wsdl

User code: abcde12345abcde12345

Keep in mind that the test database is not up to date – the last update happened in 2014. Also addresses and names have been changed.

PRODUCTION ENVIRONMENT

To gain an access to live GUS database, it's required to send an e-mail request on address regon bir@stat.gov.pl that consists below information:

- Full company name
- REGON or NIP/VAT number (for non-corporate users)
- First line of contact info (name, e-mail)
- Company phone number
- Approx. number of end-users that will use webservice simultaneously
- IP addresses of machines that will communicate with GUS webservice



LIMITATIONS

Polish Central Statistical Office described restrictions regarding the number of calling the webservice:

- Maximum number of calls in period 8 AM 4:59 PM is 6000 per hour/120 per minute/3 per second
- Maximum number of calls in period 0AM 7:59 AM and 5 PM 11:59 PM is 8000 per hour/150 per minute/3 per second

3. SOLUTION

GUS Data Import for Dynamics 365 is an application created by Sii Polska, which enables data download from the Central Statistical Office (GUS) database to automatically update information when adding customers and suppliers in the Dynamics 365 for Finance and Operations system.

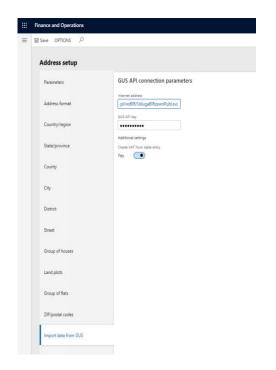
Thanks to the API communication between the Dynamics 365 for F&O system and the CSO database, the application allows you to search for information of vendors and customers within ERP system. When creating a new supplier/vendor, a user can fill in NIP (VAT) number.



First, the communication with GUS webservice BIR has to be set up. Go the system and follow path : Organization administration/Global address book/Address setup:

Finance and Operations			,O Search for a page			Р365 🗘 👹
navigation pane will show up here. ^^	🗐 Expand all 🛛 Collapse all					
Workspaces	▲ Workspaces	Organization email templates		11.		
Modules	Resource lifecycle management	Network printers		11/		
Accounts payable Accounts receivable	Nesource metycle management	Financial reasons		11.		
Audit workbench	Electronic reporting	Bar codes Default descriptions		1.	· .	
Budgeting	My business processes	Activities			- IN	
Cash and bank management	Session date and time					
Common	Select currency	Cases			1-	
Consolidations	Number sequences	Categories				
Cost accounting Cost management	Organizations	Electronic signature				
Credit and collections	 Global address book 		Data validation checklist	linvoicing	Product readiness for discrete manufacturing	Reservation management
Demo data	Global address book	Office integration	-		-	
Expense management	Global address book parameters	Scheduling				
Fixed assets	Name title and suffix	Signing limits	Distributed order	Ledger budgets and	Product readiness for	Resource lifecycle
Fleet management	Address books		ant management	forecasts	process manufacturing	management
General ledger	Name sequences	Microsoft Exchange Server synchronization				
Human resources Inventory management	Relationship types	b the				
Master planning	Address and contact information purpose				Product variant model	
Organization administration	Translations	Calendars	Electronic reporting	Master planning	definition	Retail IT
Payroll	Addresses	Contacts				
Procurement and sourcing		Document branding				
Product Information management	Address setup		Employee self service	My business processes	Production floor	Retail store financials
Production control	Import ZØ/postal codes	Business process	Employee self service	My business processes	management	neum store financiais
Project management and accounting	Registration types					
Questionnaire	Resources					
Retail Sales and marketing	Electronic reporting		Expense management	Optimization advisor	Project management	Retail store management
Service management	♦ Workflow					
Standard Audit File - SII	Document management					-
System administration	Inquiries and reports		Feature management	S Outbound work monitoring	Purchase order confirmation	Sales order processing and inquiry
Tax					Commental I	- milany
Time and attendance	▶ Periodic					
Transportation management Vendor collaboration	🖌 Setup					
Vendor collaboration Warehouse management			Financial insights	Outbound work planning	Purchase order preparation	Sales return processing

Then enter the service web address and the API key that was received from GUS. Create VAT Num table entry will create a new record in Polish-specific VAT Number Table in D365:





To use the new feature, simply create either a new customer or vendor and add its name (this will be updated with the full name from GUS database afterwards) and group:

V	New Record												Rela
-	General											KR Not Active	< inform
	Change party association	Import dat	a from GUS										mation
	IDENTIFICATION		Type		Name		Group	Organization number	a	THER INFORMATION	Phonetic name		-
	Vendor account		Organization	\sim	Sii	\sim	KR 🗸		A	iddress books			
	P365-000042		Payment priority		Search name		ORGANIZATION DETAILS	ABC code None UINS number	ĸ	inown as	Language pl V		L
											VENDOR COLLABORATION Collaboration activation		
											Not Active		

Then select a new button 'Import data from GUS':

New Record					
General					
Change party association	Import data from GUS				
IDENTIFICATION	Туре	Name		Group	Organization r
Vendor account	Organization \checkmark	Sii	\sim	KR 🗸	
P365-000042	Payment priority	Search name			ABC code
	rayment pronty	Sii		ORGANIZATION DETAILS	None
				Number of employees	
				0	DUNS number

Now enter vendor's/customer's VAT number in the field 'Tax exempt number' and click the 'Search in GUS' button:

	Finance and Operations			$\mathcal O$ Search for a page		
≡	☐ Save + New Î Delete OPTIONS P					
7	Import data from GUS					
	Tax exempt number Search in GUS					
	✓ Routing number Type	Name	City	Street	ZIP/postal code	County
			We didn't find a	nything to show here.		



System calls GUS webservice and receives back vendor/customer data which can be seen in the staging table:

	Finar	nce and Operations				$\mathcal P$ Search for a page				
≡	🗟 Sa	ve 🕂 New 🗊 Delete	OPTIONS 🔎							
7	Tax	port data from G	US Search in GUS							
		Routing number	Туре	Name	City	Street	ZIP/postal code	County	State	
		140381516	Organization	"SII SPÓŁKA Z OGRANICZONĄ	Warszawa	Aleja Niepodległości 69	02-626	m. st. Warszawa	MAZOWIECKIE	^

To transfer data to vendor/supplier master record, select 'Move data' button and confirm:

	Financ	e and Operations							
=	🗟 Save	e 🕂 New 🗎 Delete	OPTIONS ,P						
7	Tax e	port data from GL xempt number 52352907	JS Search in GUS						
	~	Routing number	Туре	Name	City	Street	ZIP/postal code	County	State
		140381516	Organization	"SII SPÓŁKA Z OGRANICZONĄ	Warszawa	Aleja Niepodległości 69	02-626	m. st. Warszawa	MAZOWIECKIE
		Move data							



Now, using only VAT number, supplier/customer record has been updated with proper information taken from Polish Central statistical office:

General						
Change party association Imp	ort data from GUS					
IDENTIFICATION Vendor account	Type Organization	Name "SILSP	ÓŁKA Z OGRANICZONĄ 🗸	Group	Organization number	
P365-000042	Payment priority	Search ni Sii		ORGANIZATION DETAILS	ABC code	
Addresses				0		
Addresses + Add 2 [®] Edit A Map Mo Name or description	pre options v	Purpose	Primary ↓			

INVOICE	Vendor price tolerance group	OFFSET ACCOUNT	DELIVERY	Mode of delivery	Prices include sales tax	VAT date is required
Invoice account	~	Account type	UPS zone	~	No	No 💌
\sim	Vendor exception group	Ledger		Destination code	Tax exempt number	VAT report date code
Number sequence group	vendor exception group	Offset account	Delivery terms	Destination code	5252352907 V	VAT report date code
	Ű.	Chart account		· ·	555555501	
Ť			*			
				SALES TAX		WITHHOLDING TAX
				Sales tax group		Calculate withholding tax
				~		No 💿
						Withholding tax group

Thanks to GUS Import solution:

• Due to the use of data import from the CSO website, the process of creating new vendors and customers is several times faster.

• It's guaranteed that the information in the system is fully consistent with the data collected by the Central Statistical Office.

• The 'human error' that can occur during manual data entry is eliminated



4. **BUSINESS TERMS AND CONTACT**

- 1. The rates quoted are net price
- 2. Payment schedule:
 - a. 100 % payments after transferring the XPO project with the Sii solution

Sii Sp. z o.o. Al. Niepodległości 69 02-626 Warszawa

http://pl.sii.eu/