globimmo.net XML version 1.3

Globimmo.net XML specification

Each globimmo.net XML file describes the real estate data to be imported to the system globimmo.net. These data include information of real estates, contacts to the sellers of these properties as well as summary information about real estate companies offering those properties. Due to transparency of the information is this file structure divided into logical blocks. Each XML document may contain information about a number of real estate companies and all of the properties they offer. Each of them (real estate agencies) have their own section *<agency>* containing information about them and at the same time one block *<objects>* which contains several blocks *<object>* describing each property belonging to that particular real estate company.

The list of all attributes, their meaning and use is described below in the **Specification of globimmo.net XML attributes**.

For illustration, an example XML file containing one real estate agency with two listings is shown below. You can download example file **here**.

Example of globimmo.net XML file

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<globimmo xmlns:g="http://www.globimmo.net">
<info version="2.0" techsupport="support@globimmo.net"/>
        <agency>
                <agency_info>
                        <agency_id>12345</agency_id>
                        <agency_name><![CDATA[Real Estate Agency]]></agency_name>
                        <agency_email>info@agency.com</agency_email>
                        <agency_tel>+421918337466</agency_tel>
                        <agency_country>Slovakia</agency_country>
                        <agency_city>Nitra</agency_city>
                        <agency_zip>94901</agency_zip>
                        <agency_street>Nice street 5</agency_street>
                        <agency_logo><![CDATA[http://www.globimmo.net/images/logo.png]]></agency_logo>
                </agency_info>
                <objects>
                        <object>
                                <object_id>0000123</object_id>
                                <advert_type>RENT</advert_type>
                                <object_type>1_ROOM_APARTMENT</object_type>
                                <object_price currency="EUR">450</object_price>
                                <object_area unitSystem="M">45</object_area>
                                <object_Floor>2</object_Floor>
                                <object_NoOfFloors>5</object_NoOfFloors>
                                <object_BuiltYear>1985</object_BuiltYear>
                                <object_Condition>COMPLETE_REC</object_Condition>
                                <object_Material>PANEL</object_Material>
                                <object_Balcony>true</object_Balcony>
                                <object_Cellar>true</object_Cellar>
                                <object_Elevator>true</object_Elevator>
                                <object_availableFrom>05.10.2012</object_availableFrom>
                                <object_rentalPeriod>12</object_rentalPeriod>
```

```xml
<object_maxPersons>2</object_maxPersons>
<object_Furnishing>FURNISHED</object_Furnishing>
<object_address>
        <object_country>Slovakia</object_country>
        <object_city>Bratislava</object_city>
        <object_zip>85104</object_zip>
        <object_street>Dolnozemská 15</object_street>
        <object_lat>48.10554</object_lat>
        <object_long>17.122514</object_long>
</object_address>
<object_titles>
        <object_title lang="en"><![CDATA[Nice 1 room apartment]]></object_title>
        <object_title lang="sk"><![CDATA[Pekný 1 izbový byt]]></object_title>
</object_titles>
<object_descriptions>
        <object_description lang="en"><![CDATA[Nice 1 room apartment in
        Bratislava]]></object_description>
        <object_description lang="sk"><![CDATA[Pekný 1 izbový byt v
        Bratislave]]></object_description>
</object_descriptions>
<object_images>
        <image><![CDATA[http://www.globimmo.net/images/1.jpg]]></image>
        <image><![CDATA[http://www.globimmo.net/images/2.jpg]]></image>
        <image><![CDATA[http://www.globimmo.net/images/3.jpg]]></image>
        <image><![CDATA[http://www.globimmo.net/images/4.jpg]]></image>
        <image><![CDATA[http://www.globimmo.net/images/5.jpg]]></image>
</object_images>
<object_contact>
        <agent_id>001</agent_id>
        <agent_FirstName>Christina</agent_FirstName>
        <agent_Surname>Zemkovic</agent_Surname>
        <agent_email>zemkovic@gmail.com</agent_email>
        <agent_tel>+42190874324165</agent_tel>
        <agent_photo><![CDATA[http://www.globimmo.net/images/christina.jpg]]></agent_photo>
```

```xml
        </object_contact>
    </object>
    <object>

        <object_id>0000124</object_id>
        <advert_type>SALE</advert_type>
        <object_type>HOUSE</object_type>
        <object_price currency="EUR">1558900</object_price>
        <object_area unitSystem="M">156</object_area>
        <object_NoOfFloors>1</object_NoOfFloors>
        <object_BuiltYear>2012</object_BuiltYear>
        <object_Condition>NEW</object_Condition>
        <object_Material>EX_BRICK</object_Material>
        <object_Land unitSystem="M">1060</object_Land>
        <object_Balcony>true</object_Balcony>
        <object_Cellar>true</object_Cellar>
        <object_Basement>true</object_Basement>
        <object_address>
            <object_country>Slovakia</object_country>
            <object_city>Bratislava</object_city>
            <object_zip>85104</object_zip>
            <object_street>Dolnozemská 23</object_street>
            <object_lat>48.10554</object_lat>
            <object_long>17.122514</object_long>
        </object_address>
        <object_titles>
            <object_title lang="en"><![CDATA[Nice house]]></object_title>
            <object_title lang="sk"><![CDATA[Pekný dom]]></object_title>
        </object_titles>
        <object_descriptions>
            <object_description lang="en"><![CDATA[Nice house in Bratislava]]></object_description>
            <object_description lang="sk"><![CDATA[Pekný dom v Bratislave]]></object_description>
        </object_descriptions>
        <object_images>
            <image><![CDATA[http://www.globimmo.net/images/11.jpg]]></image>
```

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```xml
                    <image><![CDATA[http://www.globimmo.net/images/12.jpg]]></image>
                    <image><![CDATA[http://www.globimmo.net/images/13.jpg]]></image>
                    <image><![CDATA[http://www.globimmo.net/images/14.jpg]]></image>
                    <image><![CDATA[http://www.globimmo.net/images/15.jpg]]></image>
                </object_images>
                <object_contact>
                    <agent_id>002</agent_id>
                    <agent_FirstName>Matias</agent_FirstName>
                    <agent_Surname>Both</agent_Surname>
                    <agent_email>both@gmail.com</agent_email>
                    <agent_tel>+42190854324135</agent_tel>
                    <agent_photo><![CDATA[http://www.globimmo.net/images/matias.jpg]]></agent_photo>
                </object_contact>
            </object>
        </objects>
    </agency>
</globimmo>
```

Note: The mandatory part of every (even empty) globimmo.net XML document is marked by red color.

CDATA encapsulating for strings

As shown in the example most of the values that include user-defined strings (e.g. descriptions, addresses, names etc.) is encapsulated in a *CDATA* structure. It's all about prevention against the incorrect characters in the section where the XML structure does not allow them (finishing tags and other control characters of XML). Using *CDATA* is not mandatory, but it is recommended to use this structure for all values content of which is unknown in advance and can theoretically contain control characters of XML document.

You can read more about *CDATA* here:

http://www.w3schools.com/xml/xml_cdata.asp

http://www.quackit.com/xml/tutorial/xml_cdata.cfm

XML file transfer to the globimmo.net

Transferring XML files to globimmo.net can be done in two ways. You can:

- Save the XML file to your server and send us the URL to that file by email: support@globimmo.net. Our system will automatically on regular basis download this file and import the data from this file.
- Request the FTP access (support@globimmo.net). Once You receive the FTP credentials, you can upload your XML file to our FTP server and our import system will import the data from this file every time a new one is uploaded.

Based on our experience we prefer the first method of transmission of XML files.

Please use zip compression to minimize the transfer data size and time.

XML file import to globimmo.net

Generally, the import into the system can be performed once a day, however, upon request (email to support@globimmo.net) we can setup the specific time interval for Your import.

During the run a single import (usually one XML file) all the new listings are inserted in to the globimmo.net, those that have been changed since the last import are updated (e.g., price, pictures, description, etc.) and also all the listings that are already inactive are removed from our system. Inactive listings are all those not included in the current XML file (but were included in the past). Therefore it is important to ensure that every XML file always contains all the current (active) listings.

Specification of globimmo.net XML attributes

Attributes marked with red are mandatory.

Atribute name	Atribute description	Atribute type	Note
globimmo	Main node		
agency	Sub node - contains all real estate agency data (globimmo/agency)		
agency_info	Sub node - contains information about real estate agency (globimmo/agency/agency_info/)		
agency_id	Real estate agency ID	string	Consider using CDATA.
agency_name	Real estate agency name	string	Mandatory attribute. We recommend using CDATA.
agency_email	Real estate agency email	email	Mandatory attribute. Consider using CDATA.

Atribute name	Atribute description	Atribute type	Note
agency_country	Country, where the real estate agency is located	string	*Consider using CDATA.*
agency_city	City, where the real estate agency is located	string	*Consider using CDATA.*
agency_zip	Postal code, where the real estate agency is located	string	*Consider using CDATA.*
agency_street	Street, where the real estate agency is located	string	*Consider using CDATA.*
agency_logo	Real estate agency logo	url	*We recommend using CDATA.*
objects	*Sub node - contains all real estate agency listing (**globimmo**/**agency**/**objects**/)*		
object	*Sub node - contains information about listing (**globimmo**/**agency**/**objects**/**object**)*		
agency_tel	Real estate agency phone	string	*Consider using CDATA.*
object_id	Listing ID	string	*Consider using CDATA.*
advert_type	Advert type	Option: **RENT** or **SALE**	*Mandatory attribute.*
object_type	Type of property	Option: see Table 1	*Mandatory attribute.*
object_price	Listing price	integer	*Mandatory attribute. Use only in combination with the attribute "currency".*
currency	Price currency	Option: see Table 2	*Mandatory attribute.*
object_Area	Useful area	integer	*Use only in combination with the attribute "unitSystem".*
unitSystem	Linear unit (meter or feet)	Option: **M** or **FT**	
object_Floor	Floor	integer	*Can be used only for property group Apartments (see Table 1)*
object_NoOfFloors	Number of floor	integer	*Can be used only for property groups Apartments, Residential, Commercial (see Table 1)*
object_BuiltYear	Built year	integer	*Can be used only for property groups Apartments, Residential, Commercial, Parking (see Table 1)*
object_Condition	Condition	Option: see Table 3	*Can be used only for property groups Apartments, Residential, Commercial, Parking (see Table 1)*
object_Material	Material	Option: see Table 4	*Can be used only for property groups Apartments, Residential, Commercial, Parking (see Table 1)*
object_NoOfRooms	Number of rooms	integer	*Can be used only for property groups Residential, Commercial (see Table 1)*
object_Land	Land area	integer	*Use only in combination with the attribute "unitSystem". Can be used only for property groups Residential, Commercial*

Atribute name	Atribute description	Atribute type	Note
object_LandWidth	Land width	integer	*Use only in combination with the attribute "unitSystem". Can be used only for property group Lands (see Table 1)*
object_BuiltArea	Built up area	integer	*Use only in combination with the attribute "unitSystem". Can be used only for property group Commercial (see Table 1)*
object_Balcony	Balcony	boolean	*Can be used only for property groups Apartments, Residential (see Table 1)*
object_Terrace	Terace	boolean	*Can be used only for property groups Apartments, Residential (see Table 1)*
object_Store	Store-room	boolean	*Can be used only for property groups Apartments, Residential (see Table 1)*
object_Cellar	Cellar	boolean	*Can be used only for property groups Apartments, Residential (see Table 1)*
object_Elevator	Elevator	boolean	*Can be used only for property groups Apartments, Residential (see Table 1)*
object_Garage	Garage	boolean	*Can be used only for property groups Apartments, Residential (see Table 1)*
object_Parking	Parking space	boolean	*Can be used only for property groups Apartments, Residential (see Table 1)*
object_NoOfBathrooms	Number og bathrooms	integer	*Can be used only for property groups Apartments, Residential (see Table 1)*
object_NoOfToilets	Number of toilets	integer	*Can be used only for property groups Apartments, Residential (see Table 1)*
object_Pool	Pool	boolean	*Can be used only for property group Residential (see Table 1)*
object_Sauna	Sauna	boolean	*Can be used only for property group Residential (see Table 1)*
object_FirePlace	Fire place	boolean	*Can be used only for property group Residential (see Table 1)*
object_Basement	Basement	boolean	*Can be used only for property group Residential (see Table 1)*
object_Electricity	Electicity connection	boolean	*Can be used only for property groups Residential, Commercial, Parking, Lands (see Table 1)*

Atribute name	Atribute description	Atribute type	Note
object_Water	Watter connection	boolean	*Can be used only for property groups Residential, Commercial, Parking, Lands (see Table 1)*
object_Gas	Gas connection	boolean	*Can be used only for property groups Residential, Commercial, Parking, Lands (see Table 1)*
object_Sewer	Sewer connection	boolean	*Can be used only for property groups Residential, Commercial, Parking, Lands (see Table 1)*
object_Septic	Septic	boolean	*Can be used only for property groups Residential, Commercial, Parking, Lands (see Table 1)*
object_TV	TV	boolean	*Can be used only for advert type RENT and property groups Apartments, Residential (see Table 1)*
object_Internet	Internet	boolean	*Can be used only for advert type RENT and property groups Apartments, Residential (see Table 1)*
object_Phone	Phone	boolean	*Can be used only for advert type RENT and property groups Apartments, Residential (see Table 1)*
object_availableFrom	Date, since the property is available (only for advert type RENT)	date (DD.MM.YYYY)	*Can be used only for advert type RENT and property groups Apartments, Residential (see Table 1)*
object_rentalPeriod	Rental period	Option: see Table 5	*Can be used only for advert type RENT and property groups Apartments, Residential (see Table 1)*
object_maxPersons	Max. number of persons	integer	*Can be used only for advert type RENT and property groups Apartments, Residential (see Table 1)*
object_Furnishing	Property furnishing	Option: see Table 6	*Can be used only for advert type RENT and property groups Apartments, Residential (see Table 1)*
object_address	*Sub node - contains information about property location (globimmo/agency/objects/object/object_address)*		
object_country	Country, where the property is located	string	*Mandatory attribute. Consider using CDATA.*
object_city	City, where the property is located	string	*Mandatory attribute. Consider using CDATA.*
object_zip	Postal code, where the property is located	string	*Consider using CDATA.*
object_street	Street, where the property is located	string	*Consider using CDATA.*
object_lat	Latitude of loaction, where the property is located	integer	
object_long	Longitude of location, where the property is located	integer	
object_titles	*Sub node – contains information about property titles (globimmo/agency/objects/object/object_titles)*		
object_title	Property title	string	*Mandatory attribute. Use only in combination with the attribute "lang". We recommend using CDATA.*

Atribute name	Atribute description	Atribute type	Note
lang	Language of a title	string	2-letter code ISO 3166 (http://en.wikipedia.org/wiki/ISO_3166-1). Mandatory attribute.
object_descriptions	Sub node – contains information about property descriptions (**globimmo**/agency/objects/object/object_descriptions)		
object_description	Property description	string	Mandatory attribute. Use only in combination with the attribute "lang". We recommend using CDATA.

object_images	Sub node - contains information about property photos (**globimmo**/agency/objects/object/object_images)		
image	Property photo	url	We recommend using CDATA.
object_contact	Sub node - contains information about contact person (**globimmo**/agency/objects/object/object_contact)		
agent_id	Agent ID	string	Consider using CDATA.
agent_FirstName	Agent name	string	Consider using CDATA.
agent_Surname	Agent surname	string	Consider using CDATA.
agent_email	Agent email	email	Consider using CDATA.
agent_tel	Agent phone	string	Consider using CDATA.
agent_photo	Agent photo	url	We recommend using CDATA.
lang	Language of a description	string	2-letter code ISO 3166 (http://en.wikipedia.org/wiki/ISO_3166-1). Mandatory attribute.

Table 1 – Property type

Value	Description
Apartments	
STUDIO_APARTMENT	studio apartment
1_ROOM_APARTMENT	1 room apartment
2_ROOM_APARTMENT	2 room apartment
3_ROOM_APARTMENT	3 room apartment
4_ROOM_APARTMENT	4 room apartment
5_ROOM_APARTMENT	5 room apartment
MORE_ROOM_APARTMENT	more room apartment
Residential	
HOUSE	house

HOLIDAY_APARTMENT	holiday apartment
COTTAGE	cottage
FARM_SETTLEMENT	farm settlement
VILLA	villa, farmhouse, castle, mansion, luxury real estate
Commercial	
COMMERCIAL	object, space for bussiness and services
OFFICE	office building, space
MULTIFUNCTIONAL	multifunctional building
RESTAURANT	restaurant, ba, pub, disco
HOTEL	hotel, hostel, pension
APARTMENT_HOUSE	apartment house, retirement home
SPORT_AND_ENTERTAINMENT	object for sport, entertainment
MANUFACTURING	manufacturing, operation facility
STORAGE	storage facility, warehouse
FARM	farm, ranch, agricultural property
Parking	
SINGLE_GARAGE	single garage
PARKING_SPACE_EXTERIOR	parking space exterior
PARKING_SPACE_INTERIOR	parking space interior
CAR_PARK	car park, lot, park house
Lands	
RESIDENTIAL_LAND	building land residential
RECREATION_LAND	building land recreation
COMMERCIAL_LAND	building land commercial
INDUSTRIAL_LAND	building land industrial
ARABLE_LAND	arable land, meadow
GARDEN	garden, orchard, vineyard
WATER	water area, lake, fishpond
FOREST	forest land

Table 2 – Currency

Value	Description	Value	Description	Value	Description	Value	Description	Value	Description
AED	UAE dirham	CZK	Czech koruna	JPY	Japanese Yen	MZN	metical	SYP	Syrian pound
AFN	Afghanistan (new)	DJF	Djibouti franc	KES	Kenyan shilling	NAD	Namibian dollar	SZL	lilangeni
ALL	Albanian lek	DKK	Danish Crown	KGS	som	NGN	naira	THB	Thai baht
AMD	Armenian dram	DOP	Dominican peso	KHR	riel	NIO	cordoba	TMT	manat
AOA	kwanza	DZD	Algerian dinar	KPW	North Korean won	NOK	Norwegian krone	TND	Tunisian dinar
ARS	Argentine peso	EGP	Egyptian pound	KRW	South Korean won	NPR	Nepalese rupee	TRY	Turkish lira
AUD	Australian dollar	ETB	Ethiopian birr	KWD	Kuwaiti dinar	NZD	New Zealand dollar	TTD	Trinidad and Tobago dollar
AZN	Azerbaijani manat	EUR	euro	KYD	Cayman Islands dollar	OMR	Omani rial	TWD	New Taiwan dollar
BAM	convertible marka	FJD	Fijian dollar	KZT	Kazakhstan's tenge	PAB	balboa	TZS	Tanzanian shilling
BBD	Barbadian dollar	FKP	Falkland pound	LAK	kip	PEN	new sol	UAH	Ukrainian Hryvnia
BDT	taka	GBP	British pound	LBP	Lebanese pound	PGK	kina	UGX	Ugandan shilling
BGN	Bulgarian lev	GEL	Georgian lari	LKR	Sri Lankan rupee	PHP	Philippine peso	USD	U.S. dollar
BHD	Bahraini dinar	GHS	Ghanaian Cedi	LRD	Liberian dollar	PKR	Pakistani rupee	UYU	Uruguayan peso
BIF	Burundi franc	GMD	dalasi	LSL	loti	PLN	Polish zloty	UZS	Uzbek sum
BMD	Bermuda dollar	GNF	Guinean franc	LTL	Lithuanian litas	PYG	guarani	VEF	Bolivar
BND	Brunei dollar	GTQ	quetzal	LVL	lats	QAR	Qatari Rial	VND	dong
BOB	boliviano	GYD	Guyanese dollar	LYD	Libyan dinar	RON	Romanian new leu	WST	tala
BRL	Brazilian Real	HKD	Hong Kong dollar	MAD	Moroccan dirham	RSD	Serbian dinar	XAF	Franc BEAC / CFA
BSD	Bahamian dollar	HNL	Lempira	MDL	Moldovan lei	RUB	Russian ruble	XCD	East Caribbean dollar
BWP	pula	HRK	Croatian kuna	MGA	Malagasy ariary	RWF	Rwandan franc	XDR	Special Drawing Rights
BYR	Belarusian ruble	HTG	gourd	MKD	Macedonian penny	SAR	Saudi Arabian riyal	XOF	Franc BCEAO / CFA
CAD	Canadian dollar	HUF	Hungarian forint	MMK	Kyat	SBD	Solomon Islands dollar	YER	Yemeni rial
CDF	Congolese franc	IDR	Indonesian rupiah	MNT	Mongolian Tugrik	SCR	Seychelles rupee	ZAR	South African rand
CHF	Swiss franc	ILS	Dirhams	MOP	pataca	SDG	Sudanese pound	ZMK	Zambian kwacha
CLP	Chilean peso	INR	Indian rupee	MRO	ukija	SEK	Swedish krona	ZWR	Zimbabwean dollar
CNY	Chinese yuan	IQD	Iraqi Dinar	MUR	Mauritius rupee	SGD	Singapore Dollar		
COP	Colombian peso	IRR	Iranian rial	MVR	Maldivian rupee	SLL	leone		
CRC	Costa Rican Colón	ISK	Icelandic krona	MWK	Malawi kwacha	SOS	Somali shilling		
CUP	Cuban peso	JMD	Jamaican dollar	MXN	Mexican peso	SRD	Surinam Dollar		
CVE	Cape Verde escudo	JOD	Jordanian dinar	MYR	Malaysian ringgit	SVC	El Salvador Colon		

Table 3 – Property condition

Value	Description
ORIGINAL	Original
PARTIAL_REC	Partial reconstruction
COMPLETE_REC	Complete reconstruction
NEW	New building

Table 4 – Material

Value	Description
PANEL	Panel
CONCRETE	Cast concrete
EX_BRICK	Extruded brick
UN_BRICK	Unburnt brick
BLOCKS	Blocks
WOOD	Wood

Table 5 – Rental period

Value	Description
LESS_6	Less than 6 months
6	6 months
12	Year
MORE_12	More than a year

Table 6 – Property furnishing

Value	Description
FURNISHED	Furnished
PART_FURNISHED	Partially furnished
UNFURNISHED	Unfurnished