



SQL Synchronisation Zabun

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General info

What do we need from you?

- FTP server (IP adres or name server)
- FTP login
- FTP password
- FTP folder where the images and files should be placed from the properties.

- MySQL/SQL server (IP adres or name server)
- MySQL/SQL login
- MySQL/SQL password
- MySQL/SQL name database

Our IP range has to be added to the firewall settings, so we can make the connection to the database and FTP. (IP range: **31.24.112.***)

Warning: Make sure that we have the necessary read/write rights on the database/FTP.

After we have received the info above, we test the connection. If connection works from our server, the synchronisation can be activated.

You don't have to create any tables, indexes, relations, ... in the database. Our synchronisation does everything.

Properties will be **synchronised automatically every night**. If you want to **sync** a **single property** immediately, you can synchronise it through FORTISSIMMO. This property will be available after 15/30min in the database.

Each synchronisation is defined by a mediatoken. This mediatoken is unique for the synchronisation and will be provided by 4all solutions and you can find this **mediatoken** in **TblOffice_Management**. In most of the tables you will find a column 'Mediatoken'. There you should place the token that we give you.

It is possible to add multiple synchronisations of multiple companies to one database. The webdeveloper should build his queries with the mediatoken as filter for the different companies.

If connections to the given FTP en database are succeeded, then the synchronisation can be setup in about 30 minutes to 1 hour for a one time setup cost.

General website guidelines

1. **Please be aware that we need 1 URL, so we can refer an URL in FORTISSIMMO. The URL has to catch all the properties.**

This URL has to contain the FORTISSIMMO reference (ID), and that for each language.

For example:

- NL = www.yourdomain.com/nl/property.aspx?id=123456 (123456 is FORTISSIMMO ref)
- FR = www.yourdomain.com/fr/property.aspx?id=123456 (123456 is FORTISSIMMO ref)



You can use a redirect URL to translate this address to the real web page. e.g.
<http://www.yourdomain.com/nl/va496-ertvelde-appartement-3360.htm>

When this is done, send an email to your contact at FORTISSiMMO with the URL.

2. **Get properties to show them on your website**

The goal of the synchronization is to get the properties automatically from this database. You have to write your own queries based on the tables and columns below.

3. **Store contact forms in FORTISSiMMO**

Another feature is storing contacts and contact forms back in FORTISSiMMO. You can use this for loose contact forms, or contact forms attached to a property as a reaction.

Please find the instructions in Chapter 2 (Exchange tables).

Advanced features include storing requests (Dutch: zoekfiches) into FORTISSiMMO. You will find the necessary instructions in Chapter 3.

4. **Validation**

We have to validate information that comes in into FORTISSiMMO. In chapter 4 you will find several validation rules to follow in order to process the exchange record successfully.

1. Property tables

a. tblProperty_Management

This table contains all the basic information about a property.

Each dynamic item has his own Value and ID.

For example:

Transaction = ID of transaction → TransactionValue = Name of transaction.

City = ID of city → CityValue = Name of city

To search properties linked with your media.

You will have to select on your unique mediaToken.

How to get projects with underlying properties?

The underlying properties can be fetched in tblProperty_Management and search on the column ref_parent. If the ref_parent contains the ID of the parent project, then it is an underlying property.

IMPORTANT: Items that are marked in RED are required to show on the detail page of the property.

Column	Type	Description
address_visible	bit	Show address on the website
allocation_license	int	Allocation license (verkevelingsvergunning, 0 = Nee, 1 = Ja, -1 = niet ingevuld)
area_build	float	Area livable in m ²
area_buildable	float	Area that is build or buildable in m ²
area_ground	float	Area of the ground in m ²
asbestos_inventory	nvarchar(MAX)	Description of the places/locations where asbestos has been found or might be in the property
autoid	int	autoID of table
available	nvarchar(MAX)	When is the property is available
bedrooms	int	Number of bedrooms
box	nvarchar(100)	Box of the property
building_license	int	Building license of the property (bouwvergunning, -1 = niet ingevult, 0 = Nee, 1 = Ja, 3 = Gebouwd voor 1962)
building_name	nvarchar(500)	Name of the building
building_type	int	Type of the building (ID) 0=niet ingevuld, 1=Open, 2=Halfopen, 3= Gesloten
building_typevalue	nvarchar(500)	Name of the type of the building
buyer	bigint	Buyer for the property

category	nvarchar(100)	Not used
certificate_as_built	int	Property has a build certificate? (1 means available, 0 means not available, -1 means not assigned by customer) http://www.zita.be/lifestyle/wonen/397695_asbuilt-atteest-verplicht-vanaf-juni-2010.html As-built attest (0 = Nee, 1 = Ja, -1 = niet ingevuld)
certificate_asbestos	int	1 = Destructive asbestos, 2 = Non-Destructive Asbestos Inventory, 0 = None
certificate_conformity	int	Property has a certificate of conformity? (1 = available, 0 = not available, -1 = no value given by customer) Only required for rent properties
certificate_conformity_conform	bit	Checkbox if the certificate of conformity is conform Only required for rent properties
certificate_electricity	int	Property has an electricity certificate? (1 means available, 0 means not available, -1 means not assigned by customer)
certificate_epc	int	Property has an EPC certificate? (1 means available, 0 means not available, -1 means not assigned by customer)
certificate_epc_shared	int	Property has an EPC certificate? for the common areas of a property (1 means available, 0 means not available, -1 means not assigned by customer)
city	int	ID of city
cityvalue	nvarchar(500)	Name of the city
Co2	float	CO ² value
Co2_shared	float	CO ² value for the common areas of a property
comment_address	nvarchar(MAX)	Address comments
comment_area	nvarchar(MAX)	Area comments
comment_ki	nvarchar(MAX)	KI comments
comment_price	nvarchar(MAX)	Price comments
community_tax	float	Tax comments
condition	int	Condition ID this is the ID of the condition (General condition) → customer can adapt this in the admin section → personalize lists → property state
conditionvalue	nvarchar(500)	Condition value (condition state of the property) the text that is linked with the ID (example: new, bad state, ...)
construction_value	float	Construction value
construction_year	nvarchar(100)	Construction year of the property
country	int	Country
countryvalue	nvarchar(500)	Name of the country

currency	nvarchar(100)	The currency of the price (\$, €, R€, ...)
date_changed	datetime	Change date of the property on the website
date_changed_fortissimmo	datetime	Change date of the property in FORTISSIMMO
date_created	datetime	Date created of the property on the website
date_created_fortissimmo	datetime	Date created of the property in FORTISSIMMO
date_price_changed	datetime	Date when price of property last changed
date_publication	datetime	Publication date
date_sold	datetime	Date when property is sold
depth_ground	float	Depth ground in m
depth_house	float	Depth house in m
description	ntext	Description of the property
direction_garden	int	Direction garden ID from tblProperty_Direction_Garden
direction_gardenvalue	nvarchar(500)	Name of the direction value
district	int	District ID
district_value	nvarchar(100)	District Value
e_level	int	E level value
e_level_shared	Int	E level value for the common areas of a property
elevator	bit	Elevator available?
custom_epc_label	nvarchar(100)	EPC label of the property
custom_epc_label_shared	nvarchar(100)	EPC label of the common areas of a property
epc_value	int	EPC value of the property -99 means not set
epc_value_shared	Int	EPC value for the common areas of a property -99 means not set
epc_value_total	float	EPC total value of the property required for properties in Wallonia
epc_value_total_shared	float	EPC total value for the common areas of a property
EPB_Reference	nvarchar(100)	EPB reference number (only for projects)
EPB_Reference_Shared	nvarchar(100)	EPB reference number (only for projects) for the common areas of a property
EPC_Date	datetime	Start EPC date
EPC_Date_shared	datetime	Start EPC date for the common areas of a property
EPC_Date_Expire	datetime	End EPC date (when EPC certificate expires)
EPC_Date_Expire_shared	datetime	End EPC date (when EPC certificate expires) for the common areas of a property
EPC_Reference	nvarchar(100)	EPC reference number
EPC_Reference_shared	nvarchar(100)	EPC reference number for the common areas of a property
floor	int	Floor ID -99 means not set
floor_number	nvarchar(100)	Number of the floor
furniture	int	Furnitures available?
ground_value	float	Value of the ground
headtype	int	Headtype ID

headtypevalue	nvarchar(100)	Name of the headtype
heritage_protected	Int	Heritage protected (beschermd erfgoed)
heritage_inventoried	Int	Heritage inventoried (geïinventariseerd erfgoed). ID refers to tblProperty_Heritage_Inventoried
indexed_ki	float	Indexed KI
introducer	bigint	Contact that introduced the property
k_level	int	K level value
k_level_shared	Int	K level value for the common areas of a property
key	nvarchar(MAX)	Where is the key available?
ki_name	nvarchar(500)	Name of the KI
lang	nvarchar(2)	Language
latitude	float	Latitude
longitude	float	Longitude
media_token	nvarchar(100)	Unique mediaToken
miscellaneous_charges	float	Miscellaneous charges (Diverse kosten)
monthly_cost	float	Monthly costs
new_building	bit	Is the property a new building? (0=no, 1=yes)
non_indexed_ki	float	Non indexed ki
notary	bigint	Notary ID
notary_buyer	bigint	Notary buyer ID
notary_document	bigint	Notary document ID
number	nvarchar(100)	Number of the property
nrunits	int	Number of properties in a Project
o_level_sensitivity	int	ID o level sensitivity refers to tblProperty_Flooding_Sensitivity (overstromingsgevoeligheid)
o_level_zone	int	ID o level zone refers to tblProperty_Flooding_Zone (afgebakende oeverzone)
office	bigint	The office who is responsible for the property
owner	bigint	Owner of the property
pets_allowed	int	Are pets allowed
presale_right	int	Presale right (recht van voorkoop, 0 = Nee, 1 = Ja, -1 = niet ingevuld)
price	float	Price of the property
price_class	nvarchar(500)	Price class of the property
price_visible	bit	Price visible on the website?
price_from	bit	Price from
price_period	bigint	Price in day/month/year (0 = n/a, 1 = day, 2 = month, 3 = year) Price field will still display price / month When price_period is 1 then divide price with 30 and when price_period is 3 multiply price with 12.
propertyid	int	FORTISSiMMO ID of the property
project	bit	Is the property a project?



publicity	nvarchar(MAX)	Publicity field
purchaser	Bigint	Broker person appointed as purchaser of the property
reason	nvarchar(MAX)	Reason for sale, rent, ...
ref_parent	int	FORTISSIMMO ID of the parent property
reference	nvarchar(100)	Property reference of the broker
regions	nvarchar(500)	Regions (Point comma seperated ID's that refer to tblRegion_management)
registration_cost	float	Registration costs
renovation_year	nvarchar(100)	Renovation year
rentable_guarantee	float	Rent guarantee
renter	bigint	Renter
responsible_sales_rep	bigint	Broker person who is responsible for the sale of the property
seller	Bigint	Broker person appointed as seller of the property
state	int	State ID
statevalue	nvarchar(500)	State name
sticker	Int	ID of the sticker to show on the property
stickervalue	Nvarchar(500)	Name of the sticker
street	nvarchar(500)	Street of the property
syndicus	bigint	Syndicus of the property
tax	float	Tax(Dutch: onroerende voorheffing)
title	nvarchar(MAX)	Title of the property
town_planning	int	Town planning ID from tbl_Property_Town_Planning (dutch: stedenbouwkundige bestemming)
town_planning_violation	int	Town planning violation ID (Dutch: Dagvaardiging voor stedenbouwkundige overtreding. Waardes: -1 = niet geselecteerd, 0 = Nee, 1 = Dagvaarding uitgebracht, 2 = Rechterlijke herstelmaatregel opgelegd, 3 = Bestuursdwang opgelegd, 4 = Last onder dwangsom opgelegd, 5 = Minnelijke schikking aangegaan)
town_planningvalue	nvarchar(500)	Town planning value (dutch: stedenbouwkundige bestemming)
[transaction]	int	Transaction ID
transactionvalue	nvarchar(100)	Transaction value
type	int	Type ID
typevalue	nvarchar(100)	Type value
width_ground	float	Width of the ground
width_house	float	Width of the house
zip	nvarchar(100)	Zip code
investment	bit	Investment
development	bit	development
exclusive	bit	exclusive



Main_Residence	bit	Main_Residence
Student_Residence	bit	Student_Residence
Holiday_Residence	bit	Holiday_Residence
Low_Energy_House	bit	Low_Energy_House
Passive_House	bit	Passive_House
Equity	bit	Equity

b. tblProperty_Picture

This table contains all the pictures that are uploaded for the property

Column	Type	Description
autoid	int	Autoid
Media_token	Varchar(100)	Unique mediatoken
lang	varchar(2)	Language (NL, EN, FR, ...)
picture_autoid	Bigint(20)	Unique ID of picture
picture_comment	int	Comment of picture
picture_file	Nvarchar(500)	Picture file (folder + image)
picture_index	int	Index of picture (index 1 = main picture)
picture_thumb	int	Picture thumb (folder + image)
picture_type	float	ID of type
picture_typevalue	Nvarchar(MAX)	Type value of picture
Propertyid	integer	ID of property

c. tblProperty_Video

This table contains all the links to videos for the property

Column	Type	Description
autoid	int	Autoid
Media_token	Varchar(100)	Unique mediatoken
lang	varchar(2)	Language (NL, EN, FR, ...)
video_autoid	Bigint(20)	Unique ID of the video
video_comment	int	Comment of the video
video_link	Nvarchar(500)	Link to the video
video_index	int	Index of the video (index 1 = main video)
video_type	float	ID of type
video_typevalue	Nvarchar(MAX)	Type value of the video
Propertyid	integer	ID of property

d. tblRegion_Management

If needed the regions could be synchronized to the database. If the customer wants to show the properties that are under a region. In tblProperty_Management there is a field 'Regions' that is filled (comma separated) with the ID's in with regions the property is in.

e. tblProperty_Region

Contains the region ID for each property. ID refers to tblRegion_Management

f. tblProperty_Layout

This table contains the layout information of a property.

Column	Type	Description
autoid	int	Autoid
propertyid	int	Fortissimo property ID
lang	varchar(2)	Language (NL, EN, FR, ...)
media_token	nvarchar(100)	Unique media token
id	int	ID of layout in tblProperty_Layout_Type
value	Nvarchar(500)	Name of the layout
count	int	count
floor	int	floor
Surface	float	surface
Comment	Nvarchar(MAX)	Comments on this layout
Sort	Int	Index of the layout

g. tblProperty_Layout_Type

This table contains all the possible layout types

Column	Type	Description
autoID	int	autoid
Media_token	nvarchar(100)	Unique media token
id	float	Layout ID
Lang	Nvarchar(2)	Language
name	Nvarchar(500)	Layout name

h. tblProperty_Environment

This table contains the environment information of a property.

Column	Type	Description
autoid	int	Autoid
propertyid	int	Fortissimmo property ID
lang	varchar(2)	Language (NL, EN, FR, ...)
media_token	nvarchar(100)	Unique media token
environment_id	int	ID of environment in tblProperty_Environment_Type
environment_value	nvarchar(100)	Name of the environment
environment_comment	Nvarchar(500)	Comments on this environment

i. tblProperty_Environment_Type

This table contains all the possible environment types

Column	Type	Description
autoID	int	autoid
Media_token	nvarchar(100)	Unique media token
id	float	Environment ID
Lang	Nvarchar(2)	Language
name	Nvarchar(500)	Environment name

j. tblProperty_Facility

This table contains the facility information of a property

Column	Type	Description
autoid	int	Autoid
propertyid	int	Fortissimmo property ID
lang	varchar(2)	Language (NL, EN, FR, ...)
media_token	nvarchar(100)	Unique media token
facility_id	int	ID of facility in tblProperty_Facility_Type
facility_value	nvarchar(100)	Name of the facility

k. tblProperty_Facility_Type

This table contains all the possible facility types

Column	Type	Description
autoID	int	autoid
Media_token	nvarchar(100)	Unique media token
id	float	Facility ID
Lang	Nvarchar(2)	Language
name	Nvarchar(500)	Facility name

l. tblProperty_Technical

This table contains the technical information of a property

Column	Type	Description
autoid	int	Autoid
propertyid	int	Fortissimmo property ID
lang	varchar(2)	Language (NL, EN, FR, ...)
media_token	nvarchar(100)	Unique media token
technical_id	int	ID of technical in tblProperty_Technical_Type
technical_value	nvarchar(100)	Name of the facility
evaluation_id	Int	ID of evaluation
evaluation_value	Nvarchar(100)	Value of evaluation
technical_comment	Nvarchar(500)	Comments of technical

m. tblProperty_Technical_Type

This table contains all the possible technical types

Column	Type	Description
autoID	int	autoid
Media_token	nvarchar(100)	Unique media token
id	float	Technical ID
Lang	Nvarchar(2)	Language
name	Nvarchar(500)	Technical name

n. tblProperty_HeadType

This table contains all the possible head types of properties

Column	Type	Description
autoID	int	autoid
Media_token	nvarchar(100)	Unique media token
id	int	Head type ID
Lang	Nvarchar(2)	Language
value	Nvarchar(500)	Head type name

o. tblProperty_Type

This table contains all the possible types of properties

Column	Type	Description
autoID	int	autoid
Media_token	nvarchar(100)	Unique media token
id	float	Type ID
Lang	nvarchar(2)	Language
value	nvarchar(500)	Type name
Headtype	int	Head type ID from tblProperty_HeadType
Date_changed	Datetime	Date last changed

p. tblProperty_Direction_Garden

This table contains all the possible direction garden values of properties

Column	Type	Description
autoID	int	autoid
Media_token	nvarchar(100)	Unique media token
id	float	Direction garden ID

Lang	Nvarchar(2)	Language
name	Nvarchar(500)	Direction name

q. **tblProperty_Town_Planning**

This table contains all the possible town planning values of properties

Column	Type	Description
autoID	int	autoid
Media_token	nvarchar(100)	Unique media token
id	float	Town planning ID
Lang	Nvarchar(2)	Language
name	Nvarchar(500)	Town planning name

r. **tblProperty_Extra_Field**

This table contains all the possible extra fields of properties

Column	Type	Description
autoID	int	autoid
media_token	nvarchar(100)	Unique media token
propertyid	float	FORTISSIMMO property ID
lang	nvarchar(2)	Language
extra_field_id	bigint	Extra field ID
extra_field_name	nvarchar(100)	Extra field name
extra_field_value	nvarchar(MAX)	Extra field value

TblProperty_Extra_Field can be used to put a featured property on your page. If a property is set in FORTISSIMMO as featured, there should be a record in tblProperty_Extra_Field for this featured property.

By default there is no extra field in FORTISSIMMO for featured properties. The FORTISSIMMO customer has to create one in FORTISSIMMO and then synchronize the property to the own site. Then there should be a record added with the new created extra feature field. For example: Customer creates new field in FORTISSIMMO 'In de kijker'. Checks a property as 'In de kijker'. Then record with extra_field_name 'In de kijker' should be added in tblProperty_Extra_Field.

s. tblProperty_File

This table contains all the possible files of properties

Column	Type	Description
autoID	int	autoid
media_token	nvarchar(100)	Unique media token
propertyid	int	FORTISSIMMO property ID
lang	nvarchar(2)	Language
file_type	int	File type ID
file_typevalue	nvarchar(100)	File name value
file_file	nvarchar(100)	Location of the file
file_comment	nvarchar(500)	File comments
file_name	nvarchar(100)	Name of the file

t. tblProperty_Sticker

This table contains all the possible stickers of properties

Column	Type	Description
autoID	int	autoid
Media_token	nvarchar(100)	Unique media token
id	float	Sticker ID
Lang	nvarchar(2)	Language
value	nvarchar(500)	Type name
Date_changed	Datetime	Date last changed

2. Exchange tables (Send information to FORTISSiMMO)

a. tblExchange_Contact_Management

Insert record into this table, to synchronize contact to FORTISSiMMO.

It's a general contact form? Insert records with column propertyid = 0.

It's a contact form for a property? Insert records with propertyid = ID of selected property which the contact is interested in.

You can send a specific lead_source or responsible sales rep to FORTISSiMMO (if not, default settings will be taken). See table below for specific settings and comments for the fields that can be inserted.

Records are removed when we read and successfully inserted them in FORTISSiMMO. In case of invalid data, the record will stay in the table with an error in the status cell.

Default settings:

- Lead source type 'web'
- Responsible sales rep is the default user of FORTISSiMMO, or the responsible sales rep of the given property.

Column	Type	Required	Description
autoid	int	yes	Autoid
media_token	nvarchar(100)	yes	Unique media token
birthday	datetime	No	Birthday
box	nvarchar(100)	No	Box
can_contact_be_mailed	bit	Yes	Can the contact be mailed Here you can specify if this contact can be mailed with mailings from FORTISSiMMO (marriage emails, communications,)
City	nvarchar(100)	No	City value
country	nvarchar(100)	No	Country value
date_created	datetime	Yes	Date contact is created
description	nvarchar(MAX)	No	Description of contact
email	nvarchar(100)	Yes	Email address
fax	nvarchar(100)	No	Fax
fax_cc	nvarchar(2)	No	Fax cc
firstname	nvarchar(100)	No	Firstname of the contact
home_email	nvarchar(100)	No	Home e-mail
lang	nvarchar(2)	Yes	Language
lastname	nvarchar(100)	Yes	Lastname of the contact
mobile	nvarchar(100)	No	Mobile
mobile_cc	nvarchar(2)	No	Mobile cc
number	nvarchar(100)	No	Number
password	nvarchar(100)	No	Password
phone	nvarchar(100)	No	Phone

phone_cc	nvarchar(2)	No	Phone cc
propertyid	int	yes	FORTISSIMMO property ID where the contact is interested in. If it is a regular contact form, you can let this field 0.
question	nvarchar(MAX)	No	Question
street	nvarchar(500)	No	Street
title	int	No	Title
zip	nvarchar(100)	No	Zip code
lead_source	int	No	Lead source ID (ID you can find in tblContact_Lead_Source)
responsible_sales_rep	int	No	Responsible sales rep ID (The ID you can find in tblContact_Management, ask FORTISSIMMO to active this table in sync)
status	nvarchar(500)	Empty	status field (should be empty)
task_id	int	No	Specific tasktype it should be in FORTISSIMMO (default type 'Web' = ID 13)
referrer	nvarchar(MAX)	No	Free text field for information similar to lead_source
categories	nvarchar(100)	No	',' separated string with categories. For list of Id's contact support@zabun.be

b. tblExchange_Property_Management

Insert record into this table, to synchronize property to FORTISSIMMO.

Column	Type	Description
address_visible	bit	Show address on the website
allocation_license	int	Allocation license (verkevelingsvergunning, 0 = Nee, 1 = Ja, -1 = niet ingevuld)
area_build	float	Area livable in m ²
area_buildable	float	Area that is build or buildable in m ²
area_ground	float	Area of the ground in m ²
autoid	int	autoID of table
available	nvarchar(MAX)	When is the property is available
bedrooms	int	Number of bedrooms
box	nvarchar(100)	Box of the property
building_license	int	Building license of the property (bouwvergunning, -1 = niet ingevult, 0 = Nee, 1 = Ja, 3 = Gebouwd voor 1962)
building_name	nvarchar(500)	Name of the building
building_type	int	Type of the building (ID) 0=niet ingevuld, 1=Open, 2=Halfopen, 3= Gesloten
certificate_as_built	int	Property has a build certificate? (1 means available, 0 means not available, -1 means not assigned by customer) http://www.zita.be/lifestyle/wonen/397695_asbuilt-attest-verplicht-vanaf-juni-2010.html

		As-built attest (0 = Nee, 1 = Ja, -1 = niet ingevuld)
city	int	ID of city
cityName	nvarchar(500)	Name of the city
Co2	float	CO ² value
comment_address	nvarchar(MAX)	Address comments
comment_area	nvarchar(MAX)	Area comments
comment_ki	nvarchar(MAX)	KI comments
comment_price	nvarchar(MAX)	Price comments
community_tax	float	Tax comments
condition	int	Condition ID this is the ID of the condition (General condition) → customer can adapt this in the admin section → personalize lists → property state
construction_value	float	Construction value
construction_year	nvarchar(100)	Construction year of the property
country	int	Country
currency	nvarchar(100)	The currency of the price (\$, €, R€, ...)
date_created	datetime	Date created of the property on the website
depth_ground	float	Depth ground in m
depth_house	float	Depth house in m
description	ntext	Description of the property
direction_garden	int	Direction garden ID from tblProperty_Direction_Garden
district	int	District ID
district_value	nvarchar(100)	District Value
e_level	int	E level value
elevator	bit	Elevator available?
EPB_Reference	nvarchar(100)	EPB reference number (only for projects)
EPC_Date	datetime	Start EPC date
EPC_Date_Expire	datetime	Enn EPC date (when EPC certificate expires)
EPC_Reference	nvarchar(100)	EPC reference number
floor	int	Floor ID -99 means not set
floor_number	nvarchar(100)	Number of the floor
furniture	int	Furnitures available?
ground_value	float	Value of the ground
headtype	int	Headtype ID
heritage_protected	Int	Heritage protected (beschermd erfgoed)
heritage_inventoried	Int	Heritage inventoried (geinventariseerd erfgoed). ID refers to tblProperty_Heritage_Inventoried
indexed_ki	float	Indexed KI
introducer	bigint	Contact that introduced the property
k_level	int	K level value

key	nvarchar(MAX)	Where is the key available?
ki_name	nvarchar(500)	Name of the KI
lang	nvarchar(2)	Language
latitude	float	Latitude
longitude	float	Longitude
media_token	nvarchar(100)	Unique mediaToken
miscellaneous_charges	float	Miscellaneous charges (Diverse kosten)
monthly_cost	float	Monthly costs
new_building	bit	Is the property a new building? (0=no, 1=yes)
non_indexed_ki	float	Non indexed ki
notary	bigint	Notary ID
notary_buyer	bigint	Notary buyer ID
notary_document	bigint	Notary document ID
number	nvarchar(100)	Number of the property
nrunits	int	Number of properties in a Project
o_level_sensitivity	int	ID o level sensitivity refers to tblProperty_Flooding_Sensitivity (overstromingsgevoeligheid)
o_level_zone	int	ID o level zone refers to tblProperty_Flooding_Zone (afgebakende oeverzone)
office	bigint	The office who is responsible for the property
owner	bigint	Owner of the property
pets_allowed	int	Are pets allowed
presale_right	int	Presale right (recht van voorkoop, 0 = Nee, 1 = Ja, -1 = niet ingevuld)
price	float	Price of the property
price_class	nvarchar(500)	Price class of the property
price_visible	bit	Price visible on the website?
price_from	bit	Price from
price_period	bigint	Price in day/month/year (0 = n/a, 1 = day, 2 = month, 3 = year) Price field will still display price / month When price_period is 1 then divide price with 30 and when price_period is 3 multiply price with 12.
propertyid	int	FORTISSIMMO ID of the property
project	bit	Is the property a project?
publicity	nvarchar(MAX)	Publicity field
purchaser	Bigint	Broker person appointed as purchaser of the property
reason	nvarchar(MAX)	Reason for sale, rent, ...
ref_parent	int	FORTISSIMMO ID of the parent property
reference	nvarchar(100)	Property reference of the broker
regions	nvarchar(500)	Regions (Point comma separated ID's that refer to tblRegion_management)
registration_cost	float	Registration costs

renovation_year	nvarchar(100)	Renovation year
rentable_guarantee	float	Rent guarantee
renter	bigint	Renter
responsible_sales_rep	bigint	Broker person who is responsible for the sale of the property
seller	Bigint	Broker person appointed as seller of the property
state	int	State ID
statevalue	nvarchar(500)	State name
sticker	Int	ID of the sticker to show on the property
stickervalue	Nvarchar(500)	Name of the sticker
street	nvarchar(500)	Street of the property
syndicus	bigint	Syndicus of the property
tax	float	Tax(Dutch: onroerende voorheffing)
title	nvarchar(MAX)	Title of the property
town_planning	int	Town planning ID from tbl_Property_Town_Planning (dutch: stedenbouwkundige bestemming)
town_planning_violation	int	Town planning violation ID (Dutch: Dagvaardiging voor stedenbouwkundige overtreding. Waardes: -1 = niet geselecteerd, 0 = Nee, 1 = Dagvaarding uitgebracht, 2 = Rechterlijke herstelmaatregel opgelegd, 3 = Bestuursdwang opgelegd, 4 = Last onder dwangsom opgelegd, 5 = Minnelijke schikking aangegaan)
town_planningvalue	nvarchar(500)	Town planning value (dutch: stedenbouwkundige bestemming)
[transaction]	int	Transaction ID
transactionvalue	nvarchar(100)	Transaction value
type	int	Type ID
typevalue	nvarchar(100)	Type value
width_ground	float	Width of the ground
width_house	float	Width of the house
zip	nvarchar(100)	Zip code
investment	bit	Investment
development	bit	development
exclusive	bit	exclusive
Main_Residence	bit	Main_Residence
Student_Residence	bit	Student_Residence
Holiday_Residence	bit	Holiday_Residence
Low_Energy_House	bit	Low_Energy_House
Passive_House	bit	Passive_House
Equity	bit	Equity

c. Sync Tasks to FORTISSIMMO

If tasks has to be synchronised to FORTISSIMMO, please contact FORTISSIMMO support and ask to activate this. Then you can insert the tasks into this table below.

To synchronise the task, you first need to put a contact in tblExchange_Contact_Management and then put this contact autoid into tblExchange_Task_Management.

Column	Type	Description
autoid	int	Autoid
media_token	nvarchar(100)	Mediatoken
contact_comment	nvarchar(500)	Comment for contact
contactid	bigint	Contact autoid from tblExchange_Contact_Management
date_created	datetime	Date created task
description	nvarchar(MAX)	Description task
end_date	datetime	End date task
propertyid	bigint	Property (FORTISSIMMO ID) linked to task
start_date	datetime	Start date task
status	int	1 = open, 2, completed, 3 = canceled
subject	nvarchar(100)	Subject task
type	int	Type ID of task
responsible_sales_rep	bigint	ID of resposible sales rep. of task

d. **tblExchange_Property_Visitor**

Insert record into this table, to synchronize property visits to FORTISSIMMO.

Records are removed when we read and successfully inserted them in FORTISSIMMO. In case of invalid data, the record will stay in the table while showing an error in the status cell.

Column	Type	Description
autoid	int	Autoid
media_token	nvarchar(100)	Mediatoken
propertyid	bigint	ID of visited Property (FORTISSIMMO ID)
amount	int	Visit count
date_created	datetime	Visit datetime
status	Varchar(Max)	status field (should be empty)

e. **tblTask_Type**

This table contains all the possible types of tasks.

Column	Type	Description
autoid	int	Autoid
media_token	nvarchar(100)	Mediatoken
id	int	Type ID
lang	nvarchar(2)	Language
value	text	Type name



3. *Create request managements*

Request management = What kind of property is the customer looking for?

If a request management is created, send this back to FORTISSiMMO. When a property matches the criteria that were given, there will be automatically send an e-mail to the customer with the properties that matches this criteria.

a. tblRequest_Management_Contact

This table contains the contact of the request

Column	Type	Description
autoid	int	Autoid
media_token	nvarchar(100)	Unique media token
firstname	nvarchar(100)	Firstname of the contact
lastname	nvarchar(100)	Lastname of the contact
title	int	Title of the contact
street_number	nvarchar(500)	Streetnumber of the contact
zip	nvarchar(100)	Zip code
city	nvarchar(100)	City value
country	nvarchar(100)	Country value
lang	nvarchar(2)	language
phone_cc	nvarchar(2)	Phone cc
phone	nvarchar(100)	Phone
mobile_cc	nvarchar(2)	Mobile cc
mobile	nvarchar(100)	Mobile
fax_cc	nvarchar(2)	Fax cc
fax	nvarchar(100)	Fax
email	nvarchar(100)	Email address
home_email	nvarchar(100)	Home email address
birthday	datetime	Birthday
can_contact_be_mailed	bit	Can the contact be mailed
description	nvarchar(MAX)	Description
password	nvarchar(100)	Password
date_changed	datetime	Date contact has been changed
contact_autoid	bigint	Contact autoid

b. tblRequest_Management

This table contains the requests values (Dutch: zoekfiches) inserted by the customer.

Column	Type	Description
autoid	int	Autoid
bedrooms_max	int	Maximum of bedrooms
bedrooms_min	int	Minimum of bedrooms
city	int	City ID
cityvalue	nvarchar(100)	City value
city_autoids	varchar(MAX)	semicolon separated city ID string
construction_year_max	int	Maximum construction year
construction_year_min	int	Minimum construction year
contactid	bigint	Autoid from contact in tblRequest_Management_Contact
country	int	Country ID
countryvalue	nvarchar(100)	Country value
currency	int	Currency of price (\$, €, R€, ...)
date_changed	datetime	Date request has changed
date_created	datetime	Date request has been created
date_start	datetime	Date request has started
date_stop	datetime	Date request has stopped
deleted	bit	Request deleted?
description	nvarchar(MAX)	Request description
district	nvarchar(500)	
headtypes	nvarchar(500)	Headtypes ; seperated (Ids from table TblProperty_Headtype, if you fill in the headtypes, you don't have to fill in the types, fortissimmo will link this automatically)
investment	int	Investement (Opbrengst eigendom, 0 = Nee, 1 = Ja, -1 = niet ingevuld)
media_token	nvarchar(100)	Unique media token
name	nvarchar(100)	Name request (can be whatever you want or an inputfield. Does not have to be unique)
new_building	int	New building? (nieuwbouw, 0 = Nee, 1 = Ja, -1 = niet ingevuld)
pets_allowed	int	Are pets allowed (0 = Nee, 1 = Ja, -1 = niet ingevuld)
price_max	float	Maximum price
price_min	float	Minimum price
region	int	Region
request_autoid	bigint	Request_autoid (Filled in by Fortissimmo)
resort	int	Resort
round	int	Set request to include x km around a city (1= 1km ,2= 5km, 3= 10km, 4= 20km)
surface_max	float	Maximum surface
surface_min	float	Minimum surface



transactions	nvarchar(500)	Transactions ; separated (ID's from tblProperty_Transaction)
types	nvarchar(500)	Types of properties ; seperated (Ids from table TblProperty_Type, if you fill in the types, you don't have to fill in the headtypes, fortissimmo will link this automatically)

c. tblExchange_Request_Management

Column	Type	Description
autoid	int	Autoid
media_token	nvarchar(100)	Unique media token
request_management_contact_autoid	int	Autoid from tblRequest_Management_Contact
request_management_autoid	int	Autoid from tblRequest_management
date_created	datetime	Date created

How to create request managements:

1. Insert the contact in [tblRequest_Management_contact](#)
2. The ID that you get back from point 1, this ID you have to fill in the field contactid in [tblRequest_Management](#) and the values of the request management (street, city, ...)
3. The autoid's that you get back from [tblRequest_Management_contact](#) & [tblRequest_Management](#), you have to insert into [tblExchange_Request_Management](#)
4. Request management will then be synced to FORTISSIMMO (+/- 30 minutes)

4. Validation

All exchange tables are tables that synchronise information back to FORTISSIMMO.

All exchange tables will be validated during synchronisation. Please keep in mind that some fields are required and some fields have constraints.

Please review this piece of documentation, so you can build the proper validation logic into your code.

In all the **exchange tables**, there is a column '**status**'. This tells you if there is a problem to sync the record in the table.

IMPORTANT: After you have fixed the problem, you should **clear the field 'status'**.

Otherwise the next time the synchronisation runs, the record will be ignored because the status field has an error. So records in exchange tables with an empty status field will be processed.

tblExchange_Contact_Management

- Always fill in a date in the date fields and it should not be 0000-00-00. With an empty date, you can use 1900-01-01.
- Email, Home_Email or Phone are required and Phone has to be bigger than 3 characters.
- Lang is required and should be 2 characters (for example NL,EN,FR,DU)
- Media_token is required (you can find this token in tblProperty_Management).
- We search for the 'Country' in our own database (through the name)

tblExchange_Request_Management

- Date_created should be a valid date, no empty date and not 1900-01-01.
- Media_token is required.
- Required request_management_autoid, request_management_contact_autoid and request_management_autoid should be bigger than 0.
- Contact will be validated as described above for tblExchange_Contact_Management
- Request will be validated as described below for tblRequest_Management

tblRequest_Management_Contact

- Date_changed should be a valid date, no empty date and not 1900-01-01.
- Media_token is required.
- Lang is required and should be 2 characters (for example NL,EN,FR,DU)
- Email or Home_Email is required.

tblRequest_Management

- contactid should be bigger than 0.
- round should be smaller or equal to 4.
- transactions cannot be empty, is required.
- types and headtypes cannot be empty, is required.
- price_max should be bigger or equal to 0.
- price_min should be bigger or equal to 0.



- surface_min should be bigger or equal to 0.
- surface_max should be bigger or equal to 0.
- construction_year_min cannot be bigger than current year.
- construction_year_max cannot be bigger than current year + 1 year
- bedrooms_min and bedrooms_max cannot be smaller than 0.
- if both fields are filled in, then the min value cannot be bigger than the max value.
- Same for the min price and max price, and also for min bedrooms and max bedrooms.
- Always fill in a date in the date fields and it should not be 0000-00-00. With an empty date, you can use 1900-01-01.
- You don't need to fill in the fields city and country, these id's will be filled in by our synchronization. Only **cityvalue** and **countryvalue** have to be filled in, these values will become the matching id by the synchronization that searches on the value in our database.