



WPL MLS Add-on

REALTYNA - SALES DEPARTMENT

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Contents of this Manual are applicable to the WPL MLS Add-On. Details of this Manual may be different based on the customizations you have or your software.

Introduction

This manual contains information about the MLS add-on, an extension for WPL plugin.

MLS add-on is a powerful extension that enables real estate WordPress websites to import properties, agents, images etc. from the MLS server directly into their websites. By using the MLS add-on of WPL, you can sync your website with the MLS server properties. This means if a new property is added on the MLS server, it will be imported into your website automatically. Also if a property data was updated or deleted on the MLS server, it will also be updated or deleted on your website.

System Requirements

To use the MLS add-on, you will need the following:

1. WPL PRO. (Don't install any add-on on WPL basic)
2. At least one MLS server access. (MLS username, password and login URL)

Installation

If you have the installation package of the MLS add-on, you can easily upload it from the following path: WordPress->WPL dashboard->Install Add-on form.

Glossary

Below is a list of terms used throughout this manual and their meanings.

MLS Server: A web server used for storing property data, property images and perhaps agent information. MLS add-on needs the login credentials to connect to the MLS server for communicating.

IDX: Process of data exchange between MLS server and client website. IDX is used to refer to a specific technology or solution for achieving that.

RETS: industry standard for IDX integration

VOW: stands for Virtual Office Website. Visitors must register and send their email address before exploring the website.

RETS Version: Used in WPL RETS library. It is commonly known as "RETS/1.8".

MLS Resource: MLS servers categorize the data into sections called a resource section. For syncing/importing the properties, the resource is usually called "Property".

Mapping: For importing/syncing Property data from the MLS server to WPL, you need to link the MLS data fields to WPL data fields. This is called mapping.

Sample data: Having sample data of the MLS fields can help you understand what the MLS field is, and you can map it to the correct field of WPL.

MLS Class: Data of each Resource may be categorized in one or more sections called Class. Example: Resource => Property / Class => Residential.

Sync Period: The duration time between each update request. The MLS Addon calls a request to the MLS server for adding new properties or modifying existing properties. You can set its duration based on days.

Query: You can create various types of queries for importing/syncing the MLS properties to WPL. For example, if your brokerage specializes in commercial listings or rental properties, you

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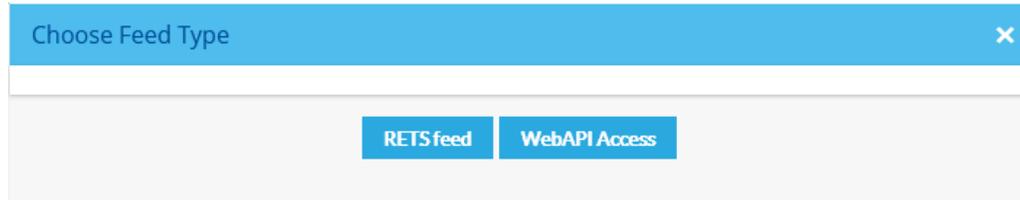
can import/sync these types of properties to your WPL. There is also an amazing interface for creating advanced queries on the query wizard of MLS Add-on.

Running MLS Add-on

After the installation, you should configure the MLS Add-on.

Adding MLS servers

To add MLS servers, please go to WPL->MLS Addon menu and click on the "+" button on top of the page. (The wizard will auto appear if that's the first MLS you want to add)



MLS Add-on supports RETS and RESO WebAPI feeds. Choose proper Type based on the feed and credentials you have.

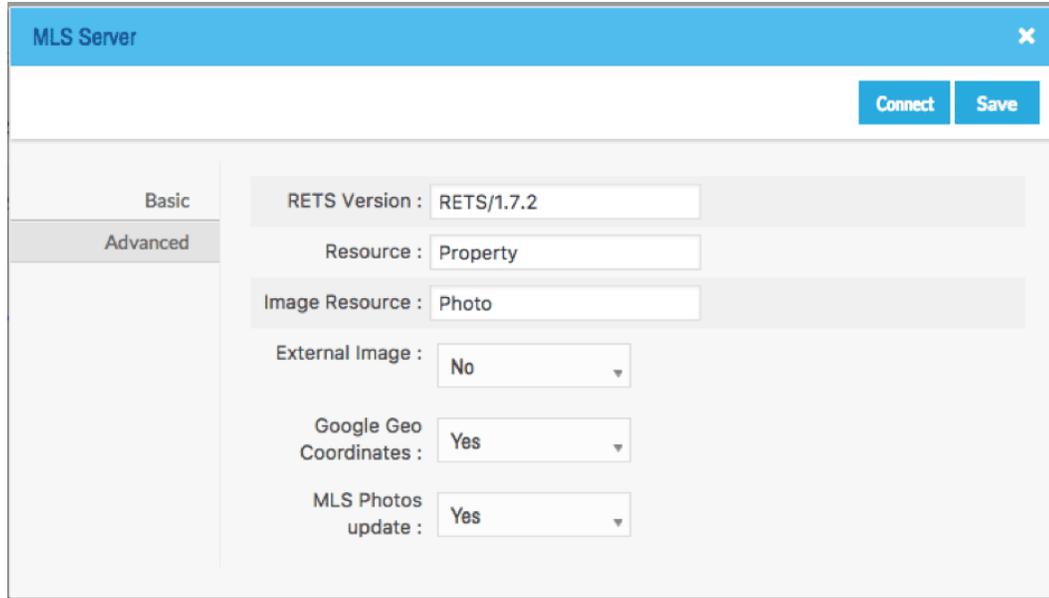
- **RETS Feed configuration:**

The screenshot shows the 'MLS Server' configuration window. The window title is 'MLS Server'. There are 'Connect' and 'Save' buttons in the top right. The 'Advanced' tab is selected in the sidebar. The form fields are as follows:

- Name: RETS Info
- URL: http://[redacted]platinum/login
- Username: [redacted]
- Password: [redacted]
- Agent Username: CARETS-General/1.0
- Agent Password: [redacted]
- Unique Field: [redacted] (Required for import!)
- Sample Query: [redacted] (Required for sample data!)

- **Name:** You can add your desired name.
- **URL:** Enter login URL of RETS server.
- **Username:** Your RETS server username
- **Password:** Your RETS server password
- **Agent Username:** Your MLS Agent Username. (If the MLS Provider needs this field to connect into their server)
- **Agent Password:** Your MLS Agent Password. (If the MLS Provider needs this field to connect into their server)
- **Unique Field:** Every property record on MLS server has a unique ID. MLS add-on may find that during the “import fields” step. Otherwise, you should find the name of a unique ID field in MLS fields and then place it here.
- **Sample Query:** Use DMQL syntax and set a query here to get sample data and do the mapping more precisely. Based on MLS server structures, it can be different.

Advanced Tab



The screenshot shows a web application window titled "MLS Server". It features a blue header bar with a close button (X) on the right. Below the header, there are two buttons: "Connect" and "Save". The main content area is divided into two tabs: "Basic" and "Advanced". The "Advanced" tab is currently selected and displays the following configuration options:

- RETS Version :** A text input field containing "RETS/1.7.2".
- Resource :** A text input field containing "Property".
- Image Resource :** A text input field containing "Photo".
- External Image :** A dropdown menu with "No" selected.
- Google Geo Coordinates :** A dropdown menu with "Yes" selected.
- MLS Photos update :** A dropdown menu with "Yes" selected.

- **RETS Version:** it could be RETS/1.5, RETS/1.7.2 or RETS/1.8. The MLS provider mentions that in the RETS information.
- **Resource:** The Listing resource in the MLS data, most cases it's "Property".
- **Image Resource:** Type of the Image object on the MLS server should be set here. Some MLS providers include multiple types of photos based on its resolution . This feature helps you get the higher resolution photos from the MLS.
- **External Image:** Some of the providers have a CDN for photos and return Image URLs (as External image). It means the photos won't download on your website/host.
- **Download External Image:** You can download the photos from MLS CDN on your host/server, if you select the 'Yes' value of this option. It works for the MLS providers that return External images.
- **Google GEO Coordinates:** If it's enabled (Yes), it will generate the Google Geocoding from Google directly, using the property address.
- **MLS Photos update:** If It's enabled (Yes), it will update the listing photos in each MLS update process.

After filling out the form and clicking on the save button, the page will refresh automatically to see the added MLS server.

- **WebAPI access configuration:**

WebAPI Access
✕

Save

Basic

Name :

Feed Provider :

BridgeAPI
▼

URL :

Generate Token :

No
▼

Access Token :

Unique Field :

Required for import!

Photo Timestamp Field :

Sample Query :

Required for sample data!

Decode MLS Values :

No
▼

Support Expand for Media :

Yes
▼

- **Name:** You can add your desired name.
- **Feed Provider:** Select feed provider i.e. MLSGrid, BridgeAPI, Trestle etc.
- **URL:** The login URL of WebAPI access
- **Access Token:** Your access token provided by the MLS (server token)
- **Unique Field:** Every property record on MLS server has a unique ID. MLS add-on may find that during the “import fields” step. Otherwise, you should find the system name of a unique ID field in MLS fields and then place it here. (Normally it’s ListingKey for WebAPIs)

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- **Photo Timestamp Field:** Every property record on MLS server has a Photo Timestamp Field. MLS add-on may find that during the "import fields" step. Otherwise, you should find the system name of a Photo Timestamp field in MLS fields and then place it here.
- **Sample Query:** Use DMQL syntax and set a query here to get sample data and do the mapping more precisely. Based on MLS server structures, it can be different.

Note: You can add as many MLS servers as you like.

After that you must check the connection and import MLS classes and MLS fields in order to map with WPL fields. For this you can simply click on the "Import fields" button.

The screenshot shows the 'MLS Addon / Servers' interface. At the top right, there is a gear icon. Below the title, there is a table with the following columns: ID, Name, RETS Version, Connection / Import, Mapping, and Actions. The table contains two rows of data. The first row has ID 3, Name RMLS, RETS Version RETS/1.5, Connection / Import with a checkmark and 'Update fields', Mapping 'Map with WPL', and Actions with a gear, edit, and delete icon. The second row has ID 6, Name Toronto, RETS Version RETS/1.5, Connection / Import with an 'x' and 'Import fields', Mapping 'Map with WPL', and Actions with a gear, edit, and delete icon. Two yellow callout boxes are present: one on the left says 'You can update it later!' with a red arrow pointing to the 'Update fields' button; the other on the right says 'Click for testing connection and importing the MLS classes and fields.' with a red arrow pointing to the 'Import fields' button.

ID	Name	RETS Version	Connection / Import	Mapping	Actions
3	RMLS	RETS/1.5	✓ Update fields	Map with WPL	⚙️ ✎️ 🗑️
6	Toronto	RETS/1.5	✗ Import fields	Map with WPL	⚙️ ✎️ 🗑️

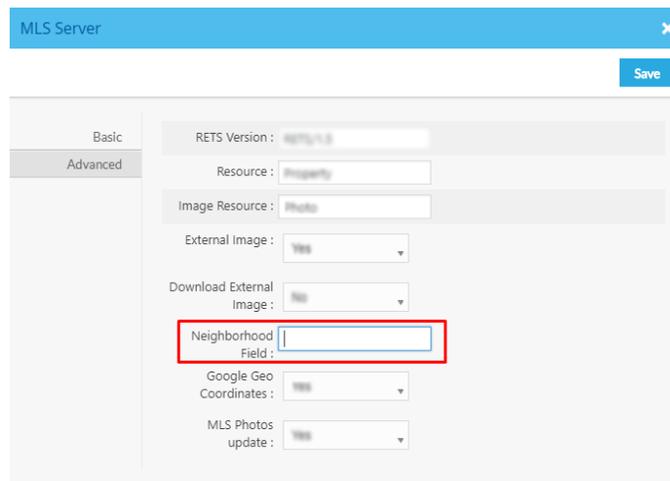
You can also update MLS classes and fields later if needed by clicking on the "Update Fields" button.

Note: If the MLS Add-on shows a connection error in this step, check your login credentials and insert correct information in order to proceed to the next step.

When the MLS connection has been successfully set up, You will see an (i) icon in the Actions column. By clicking on that, all the MLS object types and MLS classes will be shown.

Automate neighborhood creation and assignment (RETS feed)

If you installed neighborhood add-on, MLS Add-on can create neighborhood and assign listings to the neighborhood automatically, wherein during the import process, the listings will be assigned automatically based on a field that represents neighborhood.



The screenshot shows the 'MLS Server' configuration window. The 'Advanced' tab is selected. The 'Neighborhood Field' input field is highlighted with a red rectangular box. Other visible fields include 'RETS Version' (set to 'NRTS/1.0'), 'Resource' (set to 'Property'), 'Image Resource' (set to 'Photo'), 'External Image' (set to 'Yes'), 'Download External Image' (set to 'No'), 'Google Geo Coordinates' (set to 'Yes'), and 'MLS Photos update' (set to 'Yes'). A 'Save' button is located in the top right corner of the configuration area.

Note: The neighborhood field has to be defined before importing the listings

Note: The neighborhood field has to be the 'SystemName' of the MLS field and should be mapped with a WPL field.

Map with WPL

Click on the "Map with WPL" link or Go to the WPL->MLS mapping to see the Mapping interface of WPL. Select MLS server and MLS class to see the MLS fields.

ID	Name	Data type	Sample data	WPL field	Mapping	
<input type="checkbox"/>	849	Amps	Character		Map a field	
<input type="checkbox"/>	850	SqFtApproximateLot	Character	[20400][13939]	Map a field	
<input type="checkbox"/>	851	SqFtApproximateManufacturing	Int	[45400][5540]	Map a field	
<input type="checkbox"/>	852	SqFtApproximateOffice	Int	[1586][100][1782]	Map a field	
<input type="checkbox"/>	853	SqFtApproximateWarehouse	Int	[7120]	Map a field	
<input type="checkbox"/>	854	BuildingsTotal	Int	[2][3][5][1]	Map a field	
<input type="checkbox"/>	855	BusinessName	Character	[NA][None] [N/A][Former Umpqua Resources Group.] [none][Mt Hood Beverage][Qualman Oysters]	Map a field	
<input type="checkbox"/>	856	CeilingHeight	Int	[24][20]	Map a field	
<input type="checkbox"/>	857	Volts	Character		Map a field	
<input type="checkbox"/>	858	OperatingExpensesActual	Int	[8820]	Map a field	
	859	GarageOrParkingSpaces	Int	[20][30][6][25]	Features -> Parking	Modify mapping

The Mapping functionality is designed in a way that helps you map all the fields easily. Normally there are a lot of fields in MLS servers, therefore mapping them one by one is a time-consuming process. So, if you map an MLS field in a specific MLS class, the MLS Addon will map the same fields on the other MLS classes automatically.

There is also a mass auto create field in the bottom of the mapping table. You can select some fields and then click on the "Create All" button.

If you want to integrate multiple MLS Servers on the website or you want to rename MLS values into the website (Like change Resi to Residential), you could use the value mapping feature by clicking on the respective checkbox at the bottom of MLS Mapping popup. It will map a field value for all the MLS servers.

Moreover, MLS add-on has a feature to create MLS import query automatically. By clicking on that, you will see a new record in the MLS query page which could be modified. The default query will retrieve all the active listings of the respective MLS category.

Important note: The mapping process is very important. Wrong or incomplete mapping can create serious numerous issues on your website.

For example, if you map the MLS bedrooms field to a wrong field, the properties won't be able to find the bedrooms through WPL search widget. If a visitor looks for 2 bedroom properties, the WPL search widget will search in the WPL bedrooms field. It won't find the information it is looking for because the bedroom information of MLS properties is on another field.

The same issue will happen for property listing/property show page. Depending on your theme, there are some fixed positions for showing some basic information of the property such as listing, property type, price, bedrooms, rooms, bathrooms, parking spaces, property location etc. So if you mapped the fields wrongly WPL will show 0, null or wrong information on your theme.

So you must do the mapping very carefully. Note the following items during mapping:

- Map the MLS fields to existing WPL fields.
- Avoid creating new fields using the "Auto Create" button unless there are really no related fields on WPL for those fields.
- It's better if you don't map the fields which don't have any data on sample data. It can make your website messy with unnecessary information.
- WPL's most important fields are: listing type, property type, price, price unit, price type (for rental properties), listing ID, bedrooms, bathrooms, rooms, view, property description, built up area, lot area, images, location information, property title (if exists). Map these fields carefully.

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- Select a proper field type if you want to use the auto create feature. For example, you should use the URL field type for the Virtual Tour field.
- Mapping some fields may need to be manually tailored based on customizations you may have on your WPL, other Addons, or the data structure of your MLS server.

Value to Value mapping feature

Since we save values of a MLS field (using MLS Lookup) in the new version of MLS add-on. You might want to save a value on your website with another name.

So, you can define desired values for a field after mapping that (MLS field) to one WPL field (The WPL field should be a Select/Feature type).

For example, you can find a mapped MLS field in WPL Flex page; and click on its Edit button to add new values. Now there is a sample field called 'Appliances Included' that is added as a Feature field in WPL.

General Options

×
Save

General Options

Data category

Name

Text Search

Detail Page

Search Widget

PDF Flyer

Compare

Specific Options

Specificable

Params

+

Type

Option 1

Option 2

Option 3

Accesses

Membership Add-on must be installed for this!

As you see in the screenshot above, we added 3 values for this field.

Now you can find the MLS field that you already mapped it to this field (For example: 'Appliances Included'), and click the 'Modify mapping' link to open the Mapping box.

Annual Gross Income	Int		Map a field
Annual Net Income	Decimal		Map a field
Annual Rent	Decimal		Map a field
Annual Total Scheduled Income	Int		Map a field
Appliances Included	Character	MLS Addon -> Appliances Included	Modify mapping
Application Fee	Int		Map a field
Approval Process	Character		Map a field

Click this link to open the Mapping box.

The Mapping box:

When you checked this field, it will show the below list of MLS values in relation to this field.

Front Exposure Street Dir Suffix Virtual Tour URL Unbranded

Virtual Tou rURL Unbranded2 Elementary School Lot Size Dimensions

Parcel Number Association Fee Frequency

Association Fee Association Fee 2 Frequency

Square Feet Appliances Included

Enable value mapping for this field

Built In Oven Value 1

Compactor Value 2

Convection Oven Another value

Cook Top Only -----

You can add desired values for them now.

It means if you save this mapping with this sample structure, it saves 'Built in Oven' as 'Value 1' to your website, or saves 'Compactor' as 'Value 2'.

MLS Query (Query wizard)

After the mapping process, you should use the "MLS Query" menu for importing properties to your website.

The screenshot displays the "MLS Addon / Query Wizard" interface. At the top, there are two buttons: "Default user/agent" and "Manual Import". Below these is a table with the following columns: ID, MLS Server, MLS Class, Default User, Import, and Actions. A "+" button is located to the left of the table. A callout box labeled "Add new Query" points to the "+" button. Another callout box labeled "Default user/agent" points to the "Default User" column. A third callout box labeled "Manual Import" points to the "Manual Import" button. A fourth callout box labeled "Enabling/Disabling the Query for auto sync process" points to the "Import" column of the table.

ID	MLS Server	MLS Class	Default User	Import	Actions
1	RMLS	Residential	admin	Import	⚙️ ✎️ 🗑️ ✓
2	RMLS	Common	agent1	Import	⚙️ ✎️ 🗑️ ✓
4	RMLS	Commercial	admin	Import	⚙️ ✎️ 🗑️ ✖
5	RMLS	LotsAndLand	admin	Import	⚙️ ✎️ 🗑️ ✖
6	RMLS	MultiFamily	admin	Import	⚙️ ✎️ 🗑️ ✖
11	RMLS	Enabling/Disabling the Query for auto sync process		Import	⚙️ ✎️ 🗑️ ✖
12	Toronto	ResidentialProperty	admin	Import	⚙️ ✎️ 🗑️ ✖

If you click on the "+" button for adding a query or click on the edit icon of each Query, you will see the interfaces below.

Query Wizard ✕

Save

Basic

Advanced

Server :

Server Class :

Default User :

Images : Insert -1 for unlimited

Limit :

Sync Period : (Days)

Query Wizard ✕

Save

Basic

Advanced

Query :

Acres :

AmenitiesAppDistBikePath :

AmenitiesAppDistMultiUsePath :

AmenitiesAppDistOceanBeach :

AmenitiesAppDistPublicBus :

.....

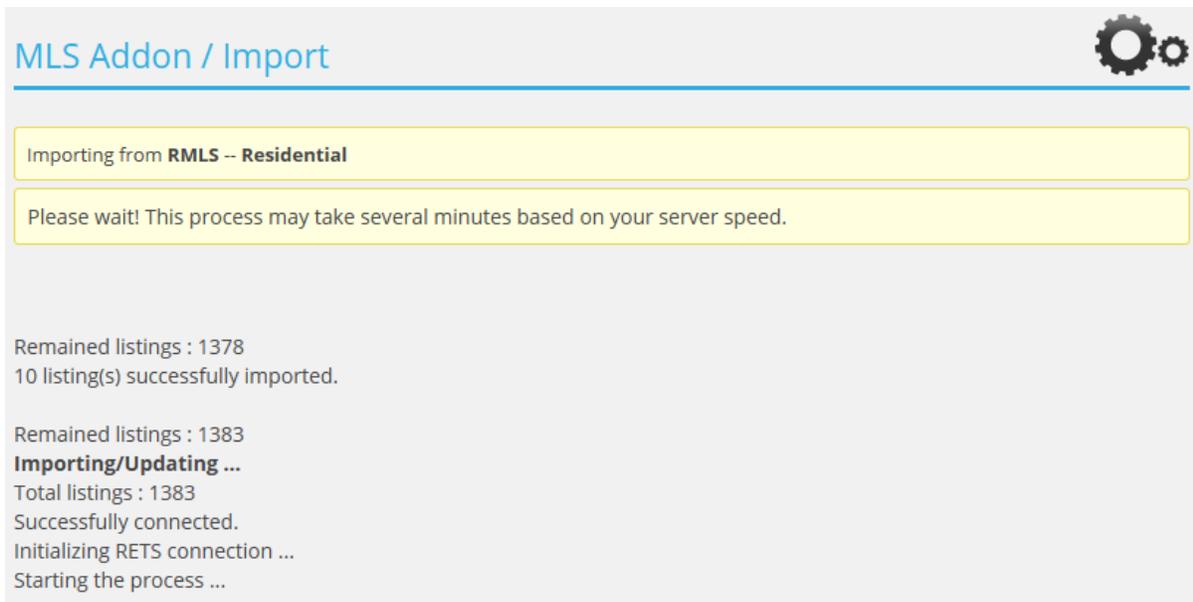
- **Default User:** The properties will be assigned to this user by default. You can select any user/agent you want by using the dropdown menu.
- **Images:** You can specify how many images you would like to have downloaded from the MLS server and imported to WPL. Depending on your server space and resources, you can increase this parameter. Do not set it to unlimited (-1) if you don't have a strong server.
- **Limit:** Connecting to the MLS server, fetching the data and downloading images are a resource taking process. On some servers it can create internal server errors. We have created an option to do the import/sync actions step by step to reduce server load. Please don't set a high number. This is another reason why you should have a dedicated server for utilizing MLS integrations.
- **Sync Period:** You can set the sync period if needed. Set it to a higher number if your MLS server won't update daily, or you're not sure about your server resources. You can set it to 5 days (for example).
- **Query:** MLS Addon has an amazing Query Wizard, so you can set the credentials for the import or sync process if needed. Please leave this empty if you're uncertain.

Enabling the Query for sync process

After adding the queries you should enable/disable it for the sync process if needed by clicking on "x" or tick icon on "Actions" column.

Import

You can click on the "Import" link after creating the query for manually importing the properties. After clicking on the "Import" link, you will be redirected to a new page. Click on the "Start" link for starting the import process. It may take several minutes based on your server load.



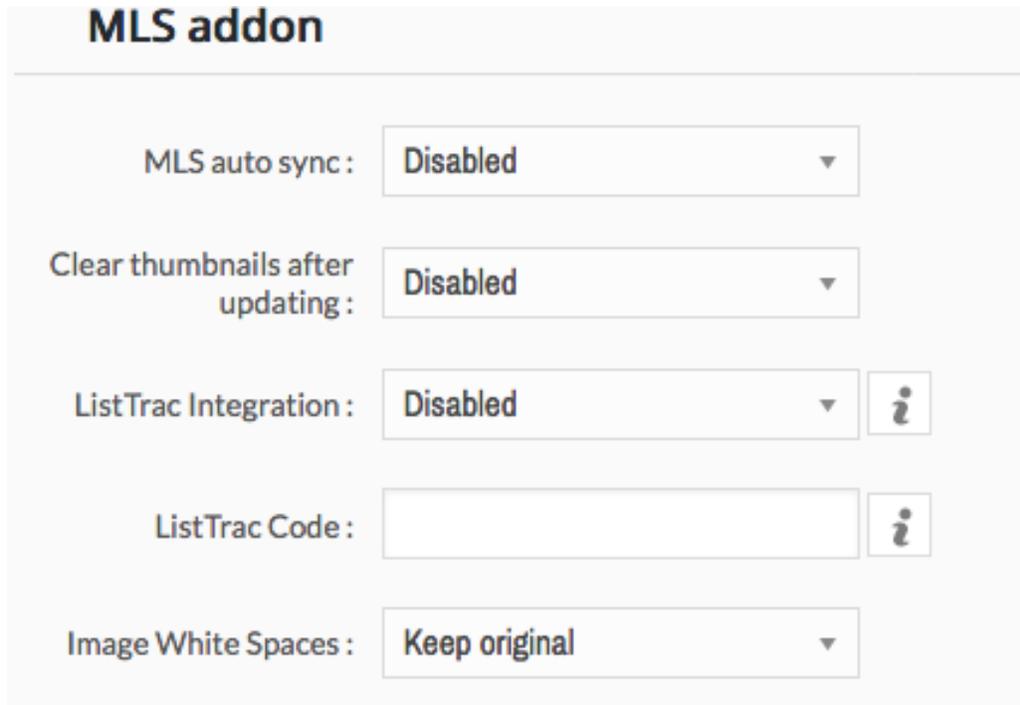
The screenshot shows the 'MLS Addon / Import' interface. At the top right, there is a gear icon. Below the header, there are two yellow boxes: the first says 'Importing from RMLS -- Residential' and the second says 'Please wait! This process may take several minutes based on your server speed.' Below these boxes, the status is updated: 'Remained listings : 1378', '10 listing(s) successfully imported.', 'Remained listings : 1383', and 'Importing/Updating ...'. At the bottom, there are several lines of text: 'Total listings : 1383', 'Successfully connected.', 'Initializing RETS connection ...', and 'Starting the process ...'.

Don't refresh the page or navigate to other pages while it's importing the listings.

MLS Addon settings (Some other MLS features)

You can find these options from WPL Backend -> Settings menu -> Global tab -> MLS Addon section.

You will see the following fields.



MLS addon

MLS auto sync : Disabled ▼

Clear thumbnails after updating : Disabled ▼

ListTrac Integration : Disabled ▼ ⓘ

ListTrac Code : ⓘ

Image White Spaces : Keep original ▼

MLS auto sync: It's an outdated field in the new version of MLS add-on (since 3.5.0), so it doesn't work anymore.

Clear thumbnails after updating: It removes thumbnail images of a listing whenever it updates on your website.

ListTrac Integration: You need to implement List Trac (<http://www.listtrac.com/>) rules on your website for some MLS providers like (Utah MLS). So, you can integrate that simply by adding an API Key/Code provided by the List Trac website in the 'ListTrac Code' field.

Image White Spaces: Sometimes the MLS images have a white space around it. You can set this field to 'Trim' value to remove the white space of that.

(WPL) MLS Disclaimer

MLS has a specific widget for adding MLS Disclaimer text in Listing or Details pages.

Property Show Bottom ▲

Appears on bottom of single property/property show page

(WPL) MLS Disclaimer ▲

Title

Layout

Copyright

Last Update

CSS Class

[View Shortcode](#)

[Delete](#) | [Close](#) [Save](#)

You can Show/Hide the Copyright and Last Update texts (that are important items in MLS Compliances/Rules) in this widget as well.

MLS add-on auto sync

After creating the queries, you need to add the relevant Commands in your cron-job system to run the MLS import process automatically. We suggest making them by a technical person, you also can ask our team to help you in this regard.

The following commands are required for cron-jobs system:

1. `wget -O - 'https://website.com/?rets_cron_job=1&rets_cron_job_type=offline&time=$(date +%s) > /dev/null 2>&1`

It will fetch all the MLS RAW data and store them into the local database. It could be run twice a day.

2. `wget -O - 'https://website.com/?rets_import_cron_job=1&time=$(date +%s) > /dev/null 2>&1`

It will translate all the stored RAW data and display them on the website. It could run every 5 - 15 minutes.

3. `wget -O - 'https://website.com/?rets_purge_cron_job=1&time=$(date +%s) > /dev/null 2>&1`

It will purge all the expired listings. It should run every 15 minutes.