USER MANUAL

P4J - MultiTool

Favicon · Touch icons · Open Graph · Generator · Microdata — from a single panel

Version 1.1.0 · Joomla 5 and Joomla 6 · PHP 8.1 or later

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1. Introduction

P4J - MultiTool is a plugin that gathers in one tabbed panel the settings for the `<head>` of your site's pages, which usually require several separate extensions:

- **Favicon** — set your own favicon on every page, even with Cassiopeia (which has no such option), without editing the template files.
- **Touch / shortcut icons** — the icons used when a page is added to the home screen of a phone or tablet.
- **Open Graph** — title, description and image shown when a link to your site is shared on WhatsApp, Facebook, LinkedIn, Telegram and similar apps, with optional Twitter/X cards.
- **Generator** — keep, hide or customise the `generator` meta tag that reveals that the site runs on Joomla.
- **Microdata** — schema.org structured data for search engines: Organization, Local business, Person or your own block.

The plugin acts on the public side of the site (frontend) only and never modifies template files: if you disable or uninstall it, the pages return exactly as they were.

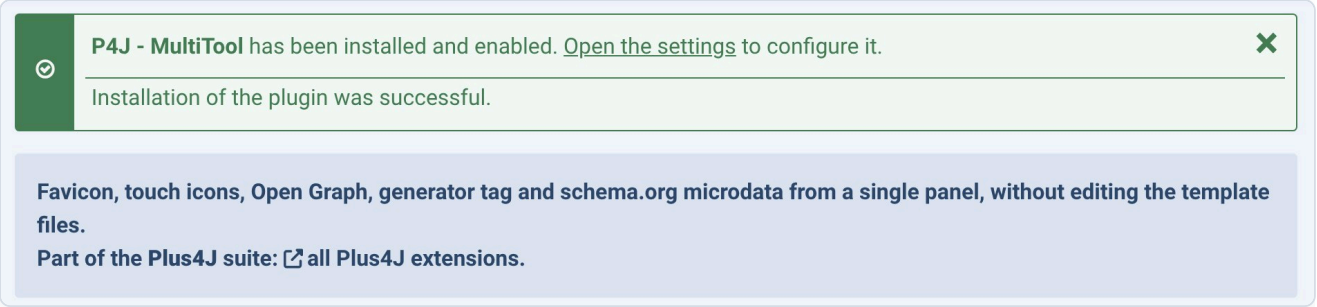
Requirements

Joomla	5.0 or later, or Joomla 6
PHP	8.1 or later
Template	any template; designed with Cassiopeia in mind

2. Installation and updates

Installing

1. In the administrator panel go to **System → Install → Extensions**.
2. Drag the file `plg_system_multitool_v1.1.0.zip` onto the upload area, or click *Or browse for file* and select it.
3. When the installation is complete, a message confirms that **P4J - MultiTool** has been installed and **enabled**. Click *Open the settings* to configure it.

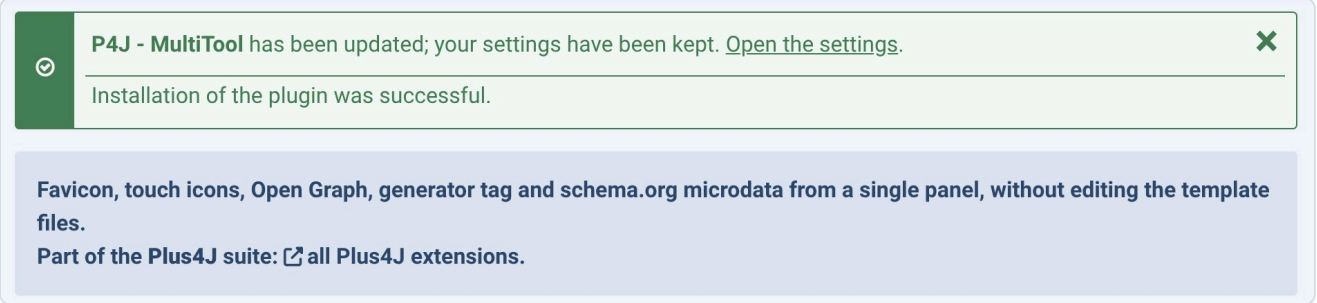


The message shown after the installation.

> **Good to know.** The plugin is enabled automatically. Until you change the settings, the only visible effect is that the `generator` tag is hidden (the default choice of the Generator tab); all the other functions stay off until you switch them on.

Updating from a previous version

Install the new package exactly as described above, without uninstalling the previous version. Your settings are kept and a message confirms the update.

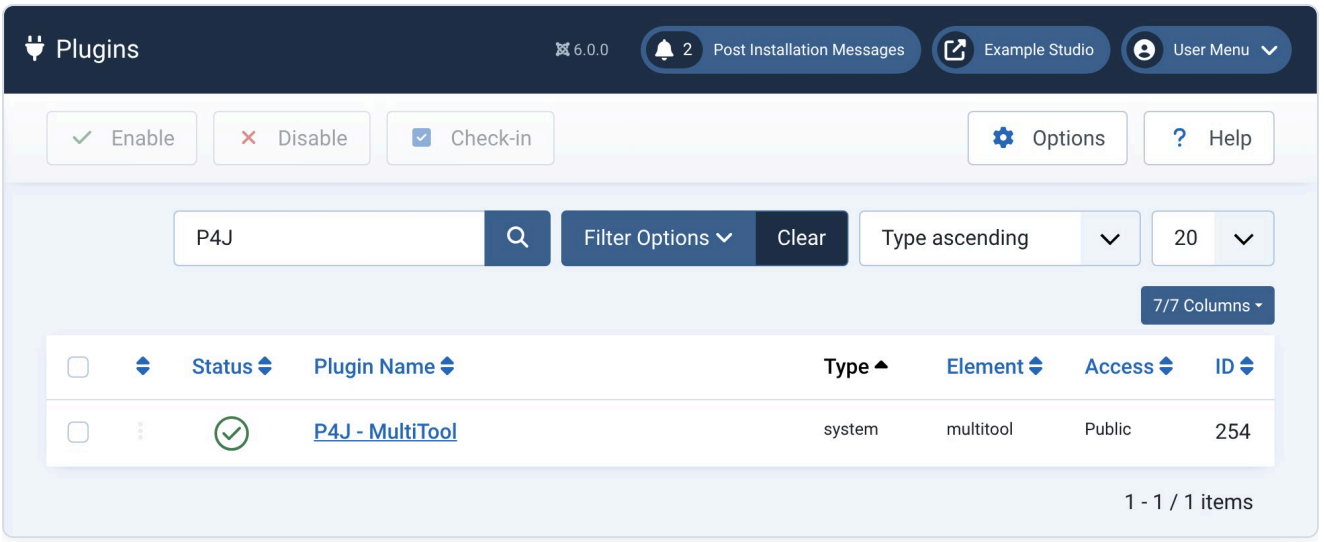


The message shown after an update.

From version 1.1.0 the plugin is listed as **P4J - MultiTool** (previously *System - Plus4J MultiTool*). All Plus4J extensions use the same **P4J** prefix, so they appear together in the lists of the administrator panel.

Finding the plugin

Go to **System → Plugins** and type **P4J** in the search box: click **P4J - MultiTool** to open its settings.



System → Plugins, filtered by "P4J".

New versions

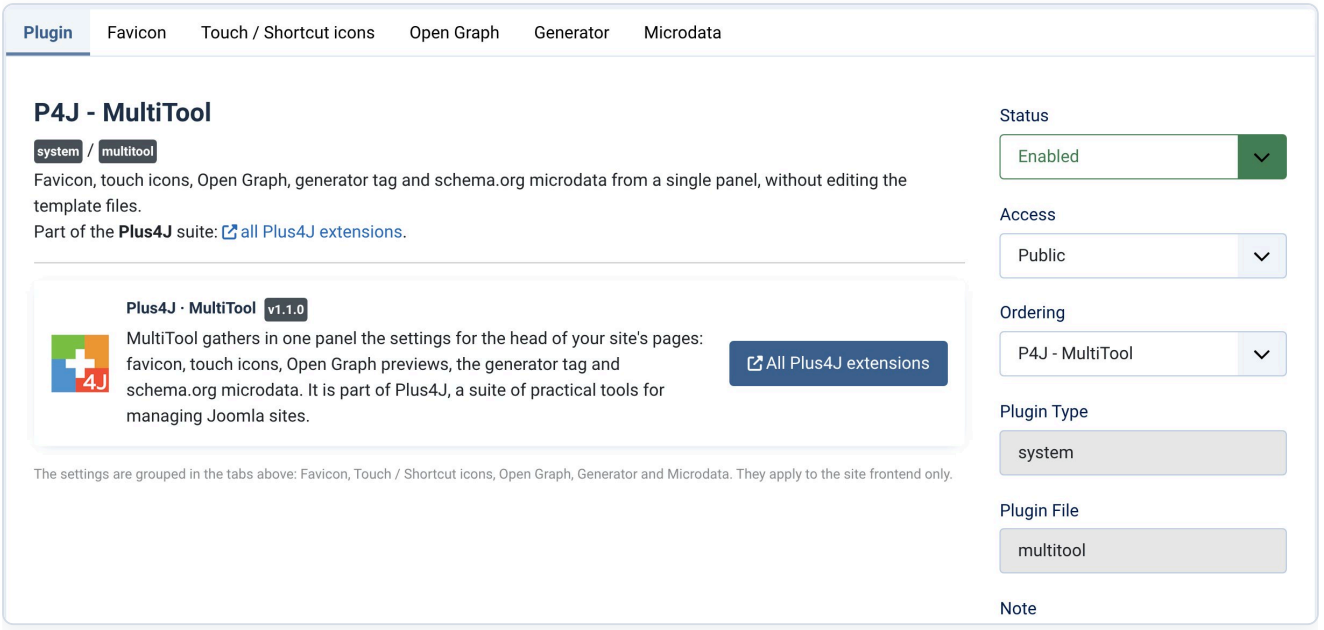
When a new version is published, Joomla shows the notification in the administrator panel (**System → Update → Extensions**). The download is not automatic: the *Update* button ends with a message containing a link to the Plus4J download area. Open that link (or go to **plus4j.com/area-download**), sign in, download the new package and install it as described above.

Uninstalling

Go to **System → Manage → Extensions**, search for **P4J**, tick **P4J - MultiTool** and click *Uninstall*. The tags added by the plugin disappear from the site immediately.

3. The settings page

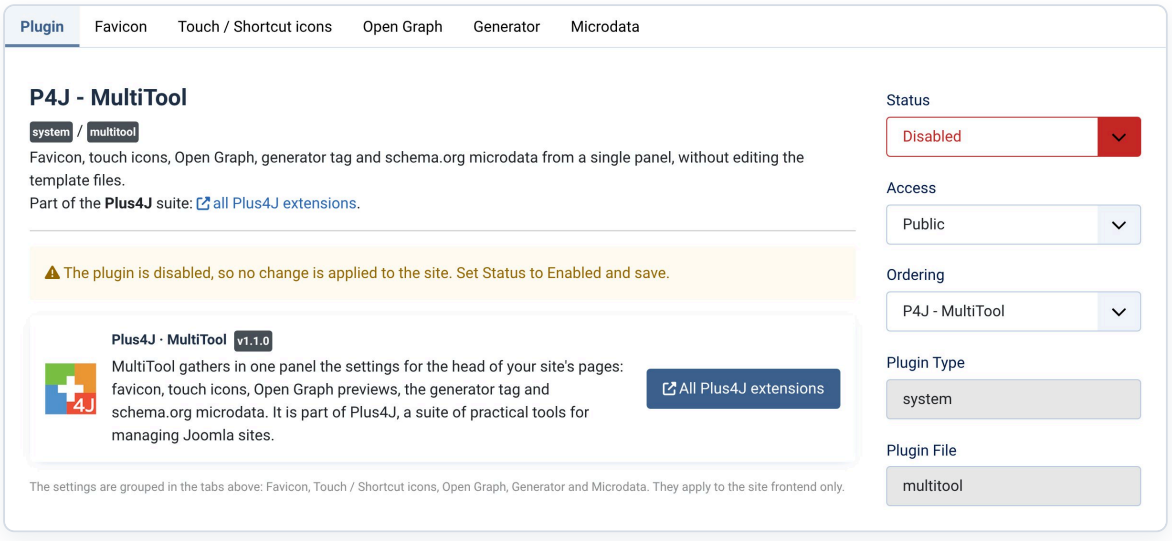
The settings page opens on the **Plugin** tab. It shows the description of the extension, the Plus4J box with the installed version and a button to the catalogue of all Plus4J extensions, and on the right the **Status** field (Enabled / Disabled).



The Plugin tab.

The settings are grouped in five tabs: **Favicon**, **Touch / Shortcut icons**, **Open Graph**, **Generator** and **Microdata**. Each function has its own switch, so you can use only the ones you need. Images are always chosen with Joomla's media manager (*Select* button). After every change click **Save** or **Save & Close**.

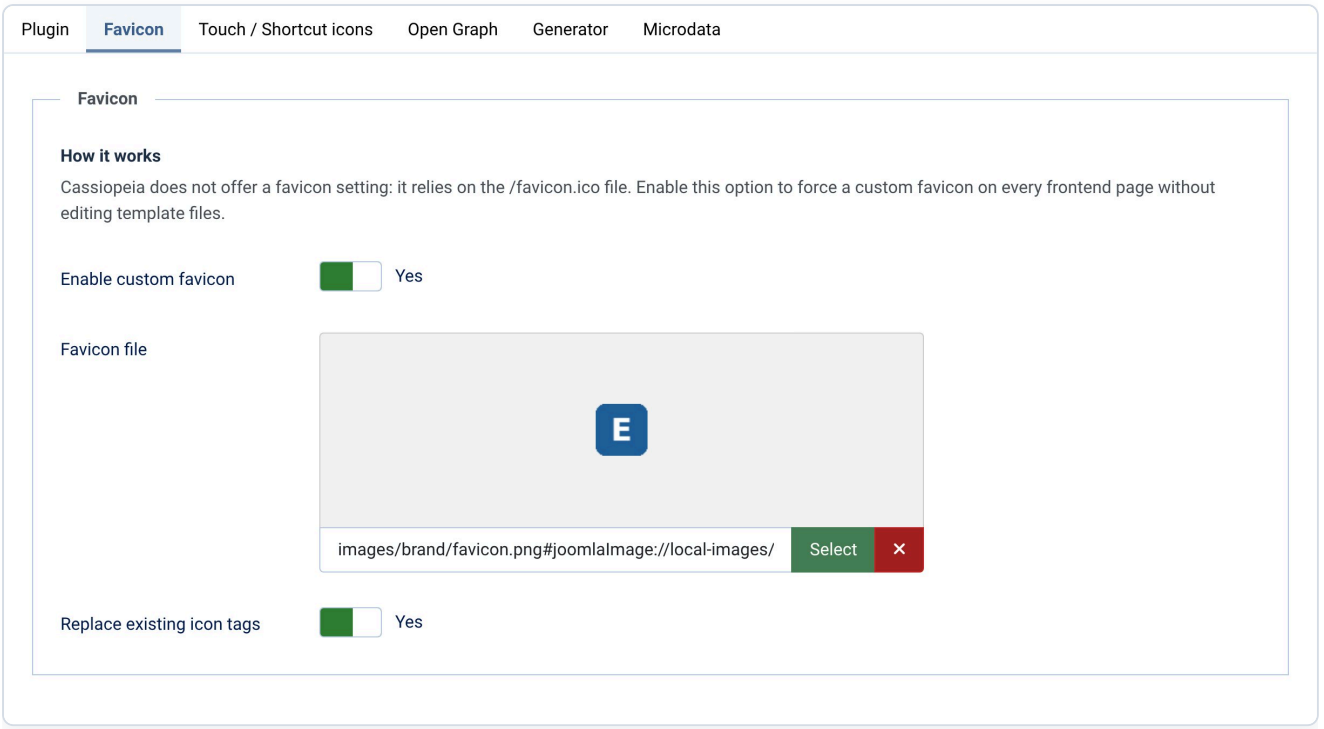
If the plugin is disabled, a yellow notice at the top of the Plugin tab reminds you that no change is applied to the site: set **Status** to *Enabled* and save.



The notice shown when the plugin is disabled.

4. Favicon

Cassiopeia offers no favicon setting and relies on the default icons. With this tab you choose your own favicon for every page of the site.

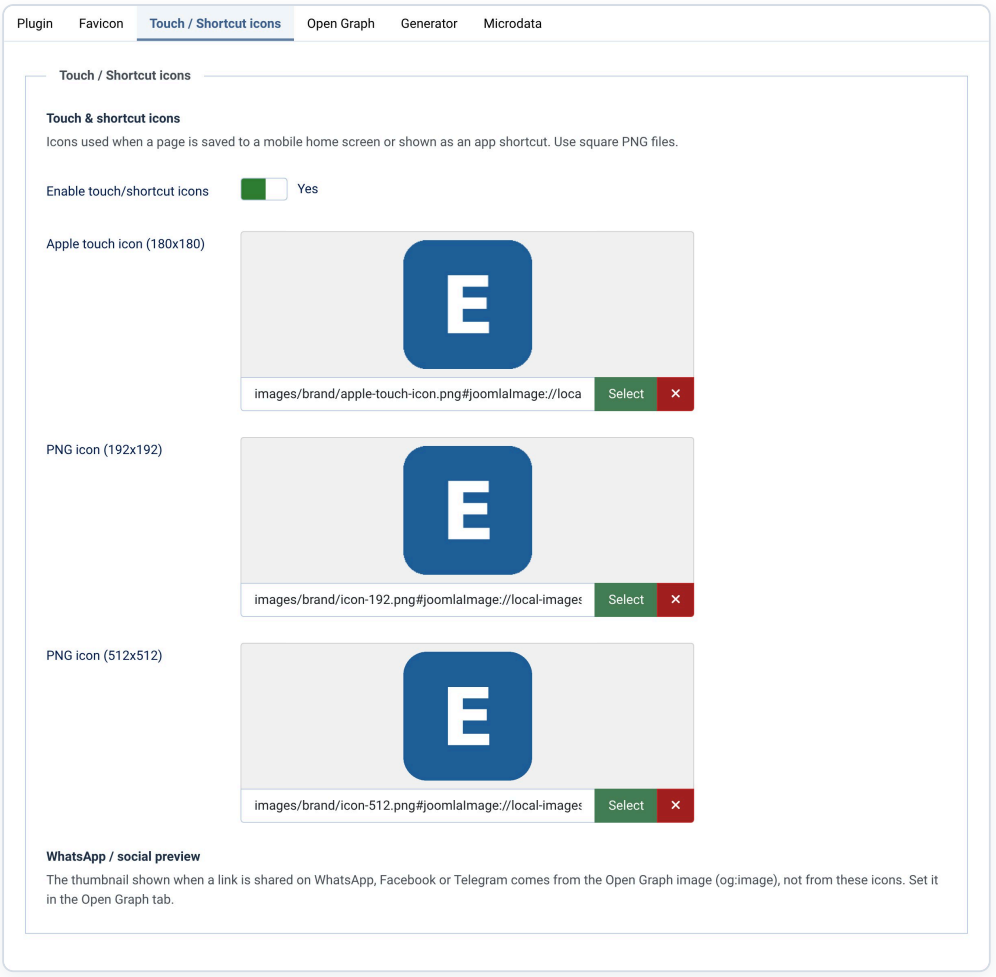


The Favicon tab.

Field	What it does
Enable custom favicon	Turns the function on.
Favicon file	The icon to use: `.ico`, `.png` or `.svg`. A square image of 32×32 or 48×48 pixels is recommended.
Replace existing icon tags	Removes the icons already added by the template or by Joomla, so that browsers do not keep showing the old one. Touch icons are not affected. Recommended: **Yes**.

5. Touch / shortcut icons

These icons are used when a visitor adds a page of your site to the home screen of a phone or tablet (iOS, Android) or installs it as an app shortcut. Use square PNG images.



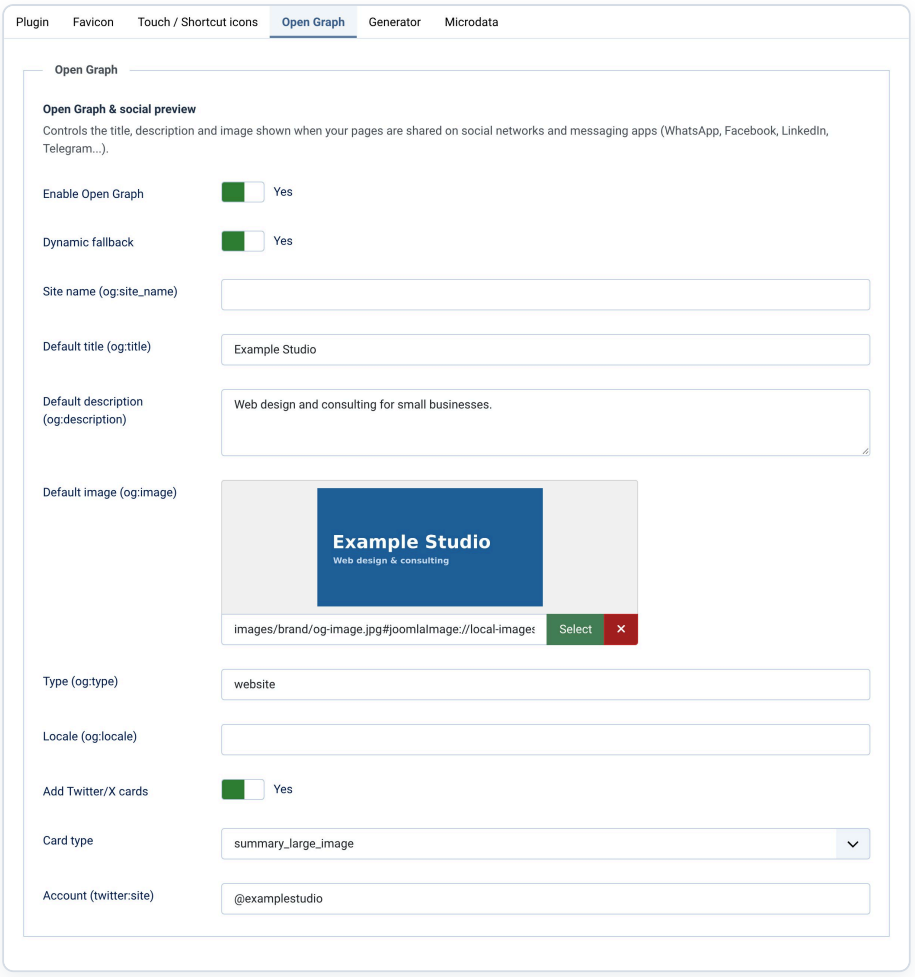
The Touch / Shortcut icons tab.

Field	What it does
Enable touch/shortcut icons	Turns the function on.
Apple touch icon (180×180)	Icon for the home screen of iPhone and iPad.
PNG icon (192×192)	Icon for Android and web apps.
PNG icon (512×512)	High-resolution icon for Android and web apps.

> The thumbnail shown when a link is shared on WhatsApp or on social networks does **not** come from these icons but from the Open Graph image (next chapter).

6. Open Graph

Open Graph tags decide the title, description and image shown when a link to your site is shared on WhatsApp, Facebook, LinkedIn, Telegram and other apps.



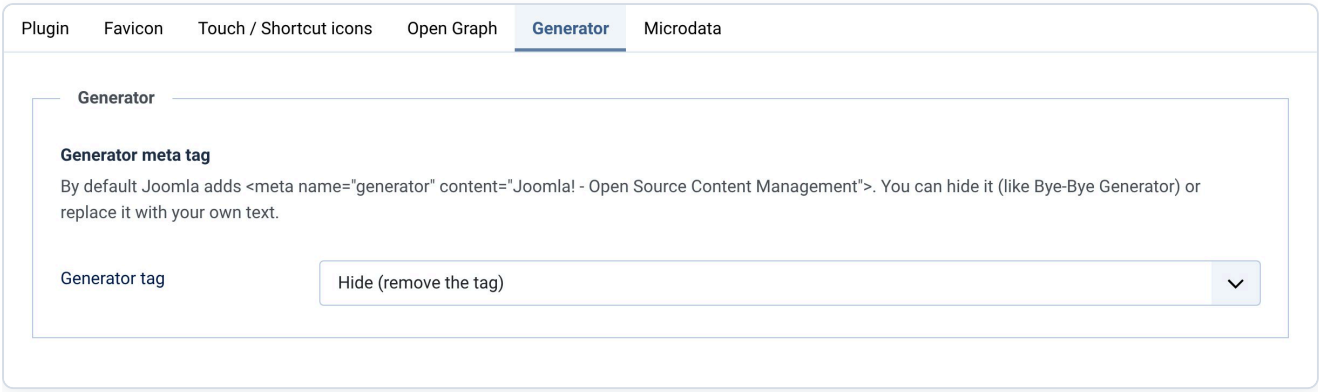
The Open Graph tab.

Field	What it does
Enable Open Graph	Turns the function on.
Dynamic fallback	When enabled, each page uses its own title and meta description; the default values below are used only when the page has none. When disabled, every page uses the default values. The page address is always the one of the current page.
Site name (og:site_name)	Leave empty to use the site name of the Global Configuration.
Default title / Default description	Used when the page provides no title or description (or always, with the dynamic fallback off).
Default image (og:image)	The preview image of shared links. Recommended size 1200×630 pixels.

Type (og:type)	Usually `website`; `article` for blogs.
Locale (og:locale)	The language of the content, e.g. `en_GB` or `it_IT`. Leave empty to use the language of the page automatically.
Add Twitter/X cards	Adds the tags for X (Twitter) reusing the values above. You can choose the card type (*summary_large_image* shows a large image) and enter the account of the site, e.g. `@yourname`.

7. Generator

By default Joomla adds to every page the tag `<meta name="generator" content="Joomla! - Open Source Content Management">`, which tells anyone that the site runs on Joomla. Here you decide what to do with it.



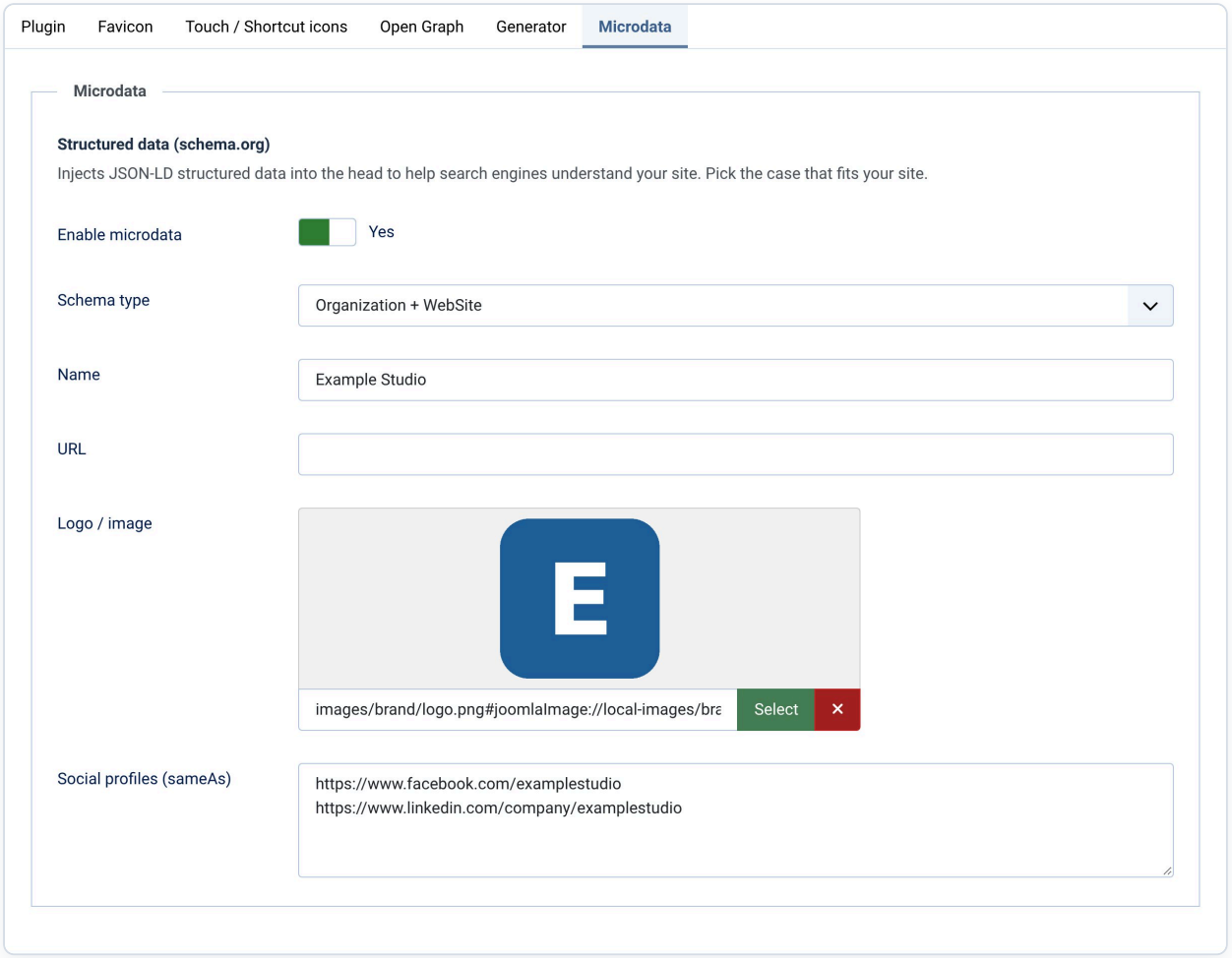
The Generator tab.

Choice	Effect
Keep the Joomla default	No change: the standard tag remains.
Hide (remove the tag)	The tag is removed from every page. This is the default choice.
Custom text	The tag shows the text you type in *Custom generator text*.

8. Microdata

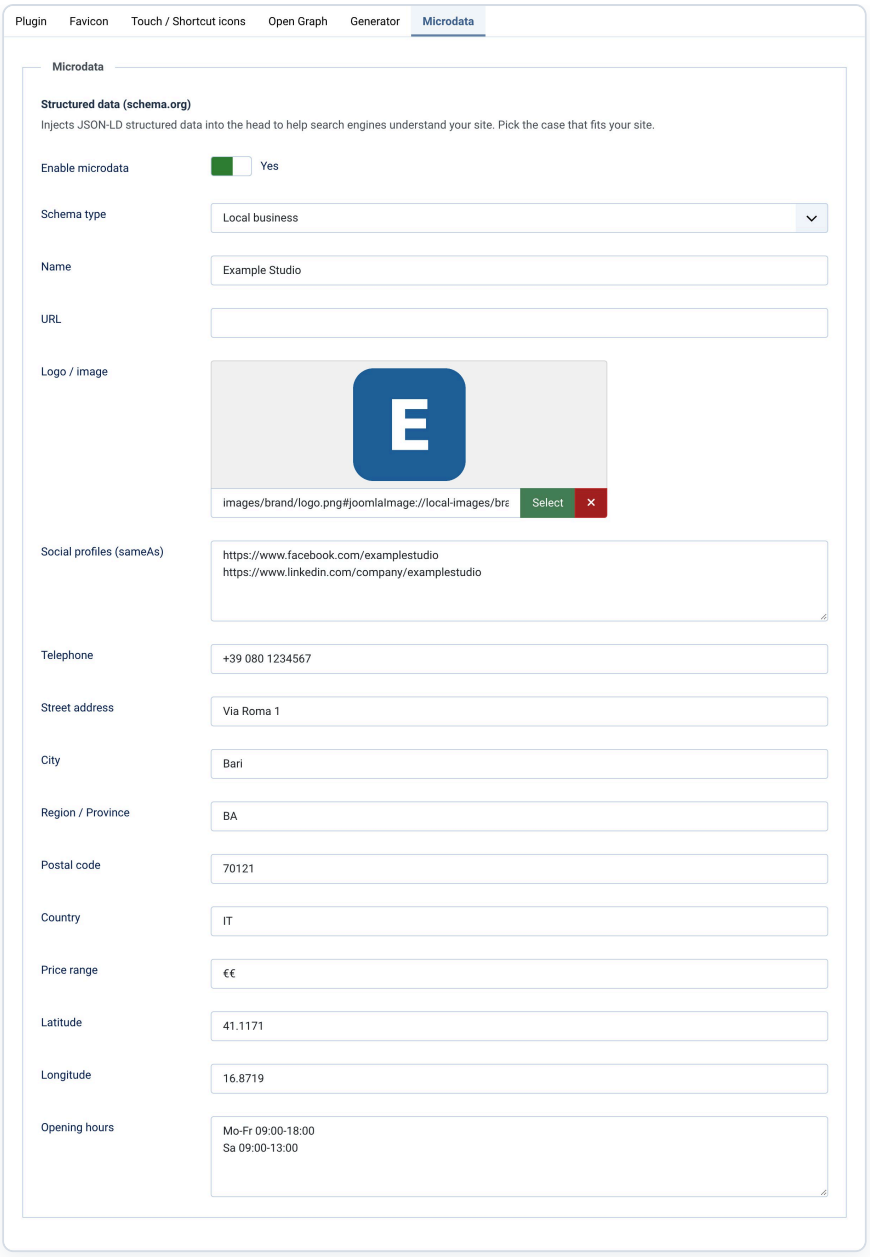
Microdata (structured data) describe your organisation, business or yourself to search engines, which can use them in search results. Choose the case that fits your site in **Schema type**: only the fields for that case are shown.

Schema type	When to use it
Organization + WebSite	Companies, associations, organisations: name, logo, address of the site, social profiles.
Local business	Shops, studios and businesses with premises open to the public: adds address, telephone, price range, map coordinates and opening hours.
Person	Personal sites and professionals: name, job title, photo, social profiles.
Custom JSON-LD	For expert users: a block written by you, inserted as it is.



The Microdata tab with "Organization + WebSite".

Field	What it does
Name	Name of the organisation, business or person. Leave empty to use the site name.
URL	Main address. Leave empty to use the address of the site.
Logo / image	Logo (organisation, business) or photo (person).
Social profiles (sameAs)	The addresses of your profiles (Facebook, Instagram, LinkedIn, YouTube…), one per line.
Job title	Person only, e.g. *Web Designer*.
Telephone, address, city, region, postal code, country	Local business only. Telephone in international format (e.g. `+39 080 1234567`), country as a two-letter code (e.g. `IT`).
Price range	Local business only, e.g. `€€`.
Latitude / Longitude	Local business only: the position on the map, e.g. `41.1171` and `16.8719`.
Opening hours	Local business only, one line each, e.g. `Mo-Fr 09:00-18:00` and `Sa 09:00-13:00` (days in English, two letters).
Custom JSON-LD	A complete JSON-LD block, without the `<script>` tag. It is inserted exactly as written, so check it with a validator (next chapter).



The fields for “Local business”.

9. Checking the result

After saving, open a page of the site, right-click and choose *View page source* (or press `Ctrl+U`). In the `<head>` section you will find the tags added by the plugin, for example:

```
<link href="/images/brand/favicon.png" rel="icon" type="image/png">
<link href="/images/brand/apple-touch-icon.png" rel="apple-touch-icon" sizes="180x180">
<link href="/images/brand/icon-192.png" rel="icon" type="image/png" sizes="192x192">
<meta property="og:site_name" content="Example Studio">
<meta property="og:title" content="Home">
<meta property="og:description" content="Web design and consulting for small businesses.">
<meta property="og:url" content="https://www.example.com/">
<meta property="og:locale" content="en_GB">
<meta property="og:image" content="https://www.example.com/images/brand/og-image.jpg">
<meta name="twitter:card" content="summary_large_image">
<script type="application/ld+json">{
    "@context": "https://schema.org",
    "@type": "Organization",
    "name": "Example Studio", ...
}</script>
```

To check how the site appears to social networks and search engines use the official tools:

- **Facebook Sharing Debugger** and **LinkedIn Post Inspector** — preview of shared links (they also refresh the copy kept by the social network).
- **Google Rich Results Test** and **Schema Markup Validator** — check of the microdata.

10. Common problems

I saved the settings but I see no change on the site.

Check that the plugin **Status** is *Enabled* and that the switch of the function (e.g. *Enable Open Graph*) is on. If the Joomla cache is active, clear it from **System → Maintenance → Clear Cache**.

The browser still shows the old favicon.

Browsers keep the favicon in their memory for a long time. Reload the page with `Ctrl+F5` or open it in a private window. Make sure that *Replace existing icon tags* is set to **Yes**.

WhatsApp (or Facebook) still shows the old preview.

Social networks and messaging apps keep a copy of the preview. With Facebook Sharing Debugger you can ask for a new reading; WhatsApp updates it by itself after some time.

Some tags appear twice in the page source.

Another extension or the template adds the same tags. Disable that function in the other extension, or turn off the corresponding function in MultiTool.

The generator tag is still there.

Check the choice in the Generator tab and clear the cache. If the tag remains, it is added by another extension.

The validator reports errors in the microdata.

With the predefined schema types check the fields (for example the format of the opening hours). With *Custom JSON-LD* the block is inserted as written: correct it and save again.

The Update button ends with an error.

This is expected: updates are downloaded from the Plus4J download area. Follow the link in the message (see “New versions” in chapter 2).

Assistance and the other Plus4J extensions: **plus4j.com** · info@plus4j.com