

Page Speed Optimizer Premium

Magento 2 Module — Complete User Guide

Infinite Scroll, Bulk Image Optimization & Detailed Logging — Step by Step

Page Speed Optimizer Premium is the premium add-on to the eTechFlow Page Speed Optimizer.

It adds three high-impact features: smooth Infinite Scroll on category and search pages (Hyvä-native, no jQuery), a daily Bulk-Sweep that finds and optimizes every un-optimized image in your media folders, and Detailed per-image optimization logging for agencies and ops teams.

Requires the base Page Speed Optimizer (Pro) module. Licensed through the eTechFlow portal, also available on its own.

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1. Introduction

Page Speed Optimizer Premium builds on the base Page Speed Optimizer (Pro) with three premium features that improve both the shopper experience and your Core Web Vitals:

- Infinite Scroll — replaces traditional pagination with smooth, automatic loading of the next page of products on category and search-result pages (Hyvä-native, no jQuery), with a safety “Load More” button after a set number of pages.
- Bulk-Sweep Image Optimization — a daily job that walks your media folders and queues every un-optimized image for optimization, so even a large existing catalog gets fully optimized over time.
- Detailed Logging — a per-image optimization log (engine, bytes before/after, savings %, duration) for agencies and operations teams.

The module is licensed through the eTechFlow portal and requires the base Page Speed Optimizer (Pro) module to be installed. This guide covers configuring and testing the module.

2. Configuration

All settings live under Stores → Configuration → eTechFlow → Page Speed Optimizer Premium, in the groups below. Click Save Config after any change.

2.1 General — Enable Premium Features

The screenshot displays the configuration interface for the Page Speed Optimizer Premium module. It is divided into two main sections: General and Infinite Scroll.

General Section:

- Enable Premium Features:** A dropdown menu set to "Yes". A red box highlights this dropdown, and an orange callout bubble labeled "Master switch" points to it. Below the dropdown, a note states: "Master switch for ALL Premium features (Infinite Scroll + bulk sweep + detailed logging)."

Infinite Scroll Section:

- Enable Infinite Scroll:** A dropdown menu set to "Yes". A red box highlights this dropdown, and an orange callout bubble labeled "Infinite Scroll" points to it.
- Apply to Category pages:** A dropdown menu set to "Yes".
- Apply to Search Result pages:** A dropdown menu set to "Yes".
- Trigger threshold (px before bottom):** A text input field containing "400". A note below states: "How far from the bottom to trigger the next-page fetch. Default 400px."
- Max auto-loaded pages before "Load More" button:** A text input field containing "5". A note below states: "After this many pages auto-load on scroll, switch to a manual click button. Default 5."
- Show "Back to top" button:** A dropdown menu set to "Yes".

Figure 1 — General (the master switch) and the Infinite Scroll settings.

[**Enable Premium Features**] The master switch for ALL premium features (Infinite Scroll + Bulk-Sweep + Detailed Logging). Set to Yes to turn the premium layer on.

2.2 Infinite Scroll

Infinite Scroll replaces traditional pagination with smooth, automatic loading of the next page on catalog category and search-result pages. It is Hyvä-compatible with no jQuery dependency, and after a set number of auto-loaded pages it switches to a manual “Load More” button to prevent runaway loading on very large catalogs (Figure 1).

[**Enable Infinite Scroll**] Yes = turn infinite scroll on.

[**Apply to Category pages**] Yes = use infinite scroll on catalog category listing pages.

[**Apply to Search Result pages**] Yes = use infinite scroll on search-result listing pages.

[**Trigger threshold (px before bottom)**] How far from the bottom of the page the next-page fetch is triggered. A larger value pre-loads earlier (smoother); smaller loads later. Default 400px.

[**Max auto-loaded pages before “Load More” button**] After this many pages auto-load on scroll, the module switches to a manual “Load More” click button — preventing infinite loops on huge catalogs. Default 5.

[**Show “Back to top” button**] Yes = show a floating “Back to top” button once the shopper has scrolled down.

2.3 Bulk-Sweep Image Optimization

The screenshot shows a settings panel with two sections. The first section, 'Bulk-Sweep Image Optimization', has a description: 'Walks configured media folders daily and enqueues every un-optimized image into PSO Pro's view queue. PSO Pro's cron worker then drains the queue normally. Useful for migrating existing catalogs.' It features a dropdown menu for 'Enable daily bulk-sweep cron' set to 'No', with a 'Bulk-Sweep' button to its right. The second section, 'Detailed Logging', has a description: 'Writes a daily log to var/log/etechflow_pso_premium_optimization_YYYY-MM-DD.log capturing per-image engine, bytes-before/after, savings %, duration. Useful for agencies + ops teams.' It features a dropdown menu for 'Enable detailed per-image optimization logging' set to 'No', with a 'Detailed Logging' button to its right. Both sections have expand/collapse arrows on the right side of the panel.

Figure 2 — Bulk-Sweep Image Optimization and Detailed Logging.

Bulk-Sweep walks your configured media folders and enqueues every un-optimized image into the base Page Speed Optimizer (Pro) queue; PSO Pro's cron worker then optimizes them normally. It is ideal for optimizing an existing catalog of images that pre-dates the optimizer.

[**Enable daily bulk-sweep cron**] Yes = run the sweep automatically every night (03:30) to pick up any newly added images. The sweep is idempotent — already-optimized images are skipped.

[**Batch size per sweep run**] How many images to enqueue per run, so a big catalog is spread across runs instead of overloading the server at once.

[Folder paths to scan (relative to pub/media)] Which media folders to sweep (e.g. catalog/product). Add one path per line.

You can also run the sweep on demand from the command line (no need to wait for the nightly cron):

```
php bin/magento etechflow:ps0-premium:sweep-folders
```

2.4 Detailed Logging

Detailed Logging records exactly what the optimizer did to each image — useful when you need to prove savings to a client or diagnose a specific image (Figure 2).

[Enable detailed per-image optimization logging] Yes = write a daily log to `var/log/etechflow_pso_premium_optimization_YYYY-MM-DD.log` capturing the engine used, bytes before/after, savings %, and duration for every image. Useful for agencies and ops teams.

3. Testing the Features

Here is how to confirm each premium feature is working, end to end.

[1. Infinite Scroll] With it enabled, open a category (or search results) with several pages of products and scroll down — the next page loads automatically as you approach the bottom. After the configured number of pages a “Load More” button appears, and the “Back to top” button shows once you've scrolled.

[2. Bulk-Sweep] Enable the daily cron (or run `php bin/magento etechflow:ps0-premium:sweep-folders` on demand). It reports how many images were enqueued; the base optimizer's cron then optimizes them. Run it again — already-optimized images are skipped.

[3. Detailed Logging] With logging on, run a sweep and check `var/log/etechflow_pso_premium_optimization_YYYY-MM-DD.log` for a per-image line (before/after size, savings).

[4. Health check] Run `php bin/magento etechflow:ps0-premium:verify` to confirm the premium licence and all internal wiring are active (it prints a short pass/fail checklist).

4. Support & Contact

For help with Page Speed Optimizer Premium, licensing, or installation, contact eTechFlow support. We respond to licence and configuration questions and can assist with setup on request.

Email: support@etechflow.com

Website: <https://etechflow.com>