



Product Multilingual Search Pro V3

Professional Documentation – Eagle ERP Edition

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1. Overview

Product Multilingual Search Pro V3 is an advanced Odoo 18 module that enhances product search functionality by:

- Combining product names in all installed languages.
- Supporting multi-word partial search.
- Performing full-text ranking for relevance.
- Maintaining a cache table for ultra-fast search.
- Automatically updating the cache via triggers and cron jobs.
- Optimized for website and backend product searches.

2. Installation

Step 1: Add Module to Odoo

Step 2: Update Apps List

- Copy the ZIP to Odoo addons directory.
- Extract if necessary.
- Go to Apps → Update Apps List.
- Search for 'Product Multilingual Search Pro V3' and install.

3. Configuration

- Ensure all languages are installed in Settings → Translations → Languages.
- Optional: Adjust cron job frequency under Settings → Technical → Automation → Scheduled Actions → Refresh Product Search Cache.

4. Usage

Backend Product Search:

Website Product Search:

- Go to Sales → Products → Products.
- Type keywords in any installed language.
- Results search all languages and support multi-word and partial match.

- Go to your website shop page.
- Enter product keywords in English, Bengali, or any installed language.
- Results are ranked by relevance using PostgreSQL full-text ranking.

5. Cache & Data Table

Table: product_search_cache

Indexes: trigram on name_search_all_lower, full-text on name_search_tsv.

Automatic updates via trigger and optional cron.

- product_id: Product ID (Primary Key)
- name_search_all: Combined product names
- name_search_all_lower: Lowercase version for fast search
- name_search_tsv: tsvector for full-text ranking

6. Best Practices

- Ensure proper translations for all products.
- Use batch updates/cron for large catalogs.
- Ensure pg_trgm extension is installed.
- Reindex after major updates.

7. Troubleshooting

- Missing results: Ensure translations exist and run cron.
- Slow search: Ensure indexes and pg_trgm are enabled.
- Ranking issues: PostgreSQL simple dictionary may vary by language.

8. Advanced Usage

- Custom queries with product_search_cache table using ts_rank.
- Add new languages: Install language, update product translations, run cron.
- Adjust ranking by modifying ts_rank parameters.

9. App Store Submission Notes

- License: LGPL-3
- Author & Website in manifest
- Include screenshots and icon in static/description/
- Dependencies: product, website_sale, base
- Versioning: 5.0.0

10. Support & Contact

For support or feature requests:

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