

# Shop Scheduled Change - Release Notes

Release date: March 21, 2026

Module: `core/modules/Shop`

Primary service: `Shop.Schedule.RunProductSubProductSchedule`

## Summary

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This release expands and stabilizes scheduled Product/SubProduct changes across authoring, diff review, queue execution, logging, and rollback workflows.

Main outcomes: cleaner diffs, safer scheduled job execution, better completed-state protections, richer relation/gallery rendering, and improved queue observability.

## What's New

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### 1) Unified scheduled job runner

- Single scheduled job service for both entities: `Shop.Schedule.RunProductSubProductSchedule`.
- Processes all due Product and SubProduct scheduled rows in one merged queue.
- Global processing order is oldest to newest ( `scheduled_date` , `scheduled_time` , `id` ASC).

### 2) Transaction-safe execution in Scheduled Jobs

- Runner now supports outer Admin CronJob transaction context using per-row savepoints.
- Prevents nested transaction failures ( `There is already an active transaction` ).
- Each scheduled row applies in isolated scope, allowing rollback of failed row only.

### 3) Improved scheduled runner logging

- Debug mode logs one detailed line per changed field with before/after values.
- Non-debug mode logs compact per-entry counts ( `Products Changed` , `SubProducts Changed` ).
- Adds consistent spacing between scheduled-entry log blocks for readability.

### 4) Price normalization for scheduled imports

- Manage Prices scheduled imports now normalize price values to canonical money strings.
- Prevents diff noise caused by integer/string/money-format mismatches.
- Improves consistency of `before_snapshot` , `after_snapshot` , and `patch_data` .

## Diff and Display Enhancements

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### 1) Smarter comparison normalization

- Date-equivalent values are treated as unchanged (for example timestamp vs display date formats).
- Facebook OG type fallback behavior reduces false-positive diffs.
- Gallery snapshots treat empty/empty as unchanged.

### 2) Relation rendering improvements

- **Related Products:** shown by Product name (not raw JSON IDs), linked to product editor in new tab.
- **Related SubProducts:** shown with Product name + SKU, SKU linked to subproduct editor in new tab.

### 3) Gallery rendering improvements

- Gallery items render as fixed-size thumbnails.
- Thumbnail click opens full-size image in new tab.
- Associated tags render beneath each image.
- If snapshot gallery item list is empty, diff view can hydrate from gallery ID for reliable display.

### 4) Metadata rendering improvements

- OG Image Tag now displays as `<tag name> (<id>)`.

## UI and Workflow Improvements

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### 1) Completed-state protections

- Edit/Delete actions removed when scheduled row status is **Completed**.
- Diff-level delete controls are hidden for completed rows.
- If no actions remain, action column is hidden.
- Completed status is styled bold green ( `#56c046` ).

### 2) Scheduled Product Change index updates

- Rollback/Delete button styling aligned with import log action patterns.
- Edit converted to icon action and opens in new tab.
- View Diff styling aligned with View action and opens in new tab.
- Filter button replaced by Reset Filters button with filter-style visual treatment.
- Removed extra top padding from grid container.

### 3) SubProduct scheduled list updates

- Name column width adjusted to 400px.
- Description column added.

### 4) Save-safety improvements in schedule mode

- Schedule save button is disabled until required fields are set in Product schedule mode.
- Same behavior added to SubProduct schedule mode.

## Data Integrity and Reliability Fixes

- Nullable datetime normalization to `NULL` for snapshot-apply flows that use `save(false)`.
- Cross-sale relation compatibility for schemas where only minimal relation columns are present.
- Attribute group naming uses actual group names in diff displays.
- Targeted attribute-row deletion fixed to avoid unintended section collapse.

## Compatibility Notes

Area	Compatibility behavior
Scheduled Jobs	Compatible with <code>/admin/Admin/scheduledJobs</code> transaction model via savepoints.
Manual run output	Supports visible execution logs through <code>showOutput=1</code> .
Legacy relation schemas	Supports fallback behavior for minimal cross-sale column sets.
Empty gallery snapshots	Diff rendering can hydrate from gallery ID to avoid false empty displays.

## Operational Recommendation

Keep scheduled job parameter `limit=0` for full due-queue processing and `showOutput=1` for execution-log visibility in admin runs.