Product and Sub-Product Lock Controls - Feature Release Notes

Feature: Product and Sub-Product Lock Controls
Module: Shop
Ticket: ICV-1345
Release Date: May 26, 2026
Reference: Shop 5.16.18 / SVN r329145

1. Release Overview

This release adds lock and unlock controls to product and sub-product admin screens so important catalog fields can be protected from accidental edits. The new controls combine clear UI feedback with server-side protections, making locked fields resistant to both browser-based mistakes and direct scripted update attempts.

2. New Product Lock Controls

- Added a lock/unlock icon next to the Product Status label.
- Added a Lock Content / Unlock Content button for product detail and user content fields.
- Unlocked controls use the success color; locked controls use the danger color.
- Tooltips identify the available action: Lock Product Status, Unlock Product Status, Lock Content, or Unlock Content.
- Lock state is saved with the standard product update flow.

3. New Sub-Product Lock Controls

- Separated Prices and On Sale into their own panel.
- Added Lock Prices / Unlock Prices for price levels, sale values, on-sale toggle, and on-sale dates.
- Added Lock Delivery Methods / Unlock Delivery Methods for delivery settings.
- Added Lock Content / Unlock Content for sub-product content fields.
- Locked panels are visually dimmed and related controls are disabled while the unlock button remains clickable.
- Lock state is saved with the standard sub-product update flow.

4. Data Changes

Entity	New Columns	Default Behavior
Product	`status_locked`, `content_locked`	Existing products remain unlocked until an administrator locks them.
SubProduct	`price_locked`, `delivery_locked`, `content_locked`	Existing sub-products remain unlocked until an administrator locks them.

5. Server-Side Protection

The release adds controller-level safeguards so locked values are restored from the persisted record when a request attempts to modify them without first changing the related lock state. This means a script that bypasses the browser cannot silently overwrite locked product or sub-product fields.

> The lock buttons are not only a visual feature. They participate in a save-time contract that lets intentional unlock/edit/relock workflows succeed while rejecting silent changes to fields that were already locked.

6. Workflow Notes

6.1 Normal lock workflow

1. Open a product or sub-product update screen.
2. Click the appropriate lock button.
3. Confirm the fields are disabled and the lock button changes to the locked state.
4. Save the record using the standard update action.

6.2 Unlock, edit, relock workflow

1. Open a record where the field group is already locked.
2. Click Unlock.
3. Edit the protected field values.
4. Click Lock again before saving, if the field group should remain locked.
5. Save the record. The new values and final lock state are persisted together.

7. Files Changed in the Release

Area	Files
Product UI and save guard	`views/admin/product/update/_form.php`, `controllers/admin/ProductController.php`, `models/base/ProductBase.php`

Area	Files
Sub-product UI and save guard	`views/admin/subProduct/_form.php`, `views/admin/subProduct/_delivery_settings.php`, `controllers/admin/SubProductController.php`, `models/base/SubProductBase.php`, `models/SubProduct.php`
Database patches	`Patch_ICV_1345_AddProductLockColumns.php`, `Patch_ICV_1345_AddSubProductLockColumns.php`

8. QA Focus Areas

- Product status can be locked, unlocked, changed, relocked, and saved correctly.
- Product content fields are protected when content lock is enabled.
- Sub-product price and on-sale fields are protected when price lock is enabled.
- Sub-product delivery fields are protected when delivery lock is enabled.
- Sub-product content fields are protected when content lock is enabled.
- Direct post attempts cannot modify locked values unless the related lock-change marker is submitted.
- Tooltips remain available after lock state changes.
- Locked panels are visibly different but unlock controls remain clickable.

9. Deployment Notes

- Run the ICV-1345 product lock patch and sub-product lock patch before enabling user testing.
- No standalone lock AJAX endpoint is required for this feature.
- Existing records are safe because new lock columns default to an unlocked state.
- After migration, administrators can begin locking field groups record by record.