



Subscription Products — Inventory Planning

Subscription Products Documentation · August 4, 2026

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Why this exists

Subscriptions are the one part of the catalog whose future demand is genuinely **known**: every live agreement carries its SKU, quantity and next renewal date. The renewal engine already *reacts* to a shortfall at billing time (the out-of-stock policy), but nothing looked ahead. This screen does.

What it shows

One row per SKU with renewals due inside the horizon:

COLUMN	MEANING
Product / Variant / SKU	What it is
Vendor	Who it is bought from. "None" means no purchase order can be raised for it
Projected Demand	Total quantity the subscriptions will consume in the window
Available Now	Current sellable quantity, from <code>Shop.Stock</code>
Shortfall	<code>max(0, demand - available)</code> , worst first
First Renewal	Earliest renewal in the window — the urgency signal
Renewals / Subs	How many billings, across how many agreements

Horizon is 14/30/60/90 days, defaulting to the configured value.

How demand is counted

Every renewal each agreement is scheduled to hit inside the window, not one per agreement — a fortnightly subscription counts twice over 30 days. Dates are stepped with the same month-clamping arithmetic the renewal engine uses, so the projection matches what will actually happen.

An agreement that reaches its cycle cap partway through stops contributing at that point. Paused agreements are excluded entirely, and are **not** projected forward to their resume date — a documented limitation, not an oversight: that would be a materially deeper simulation than a reorder signal warrants.

Overdue past-due agreements *are* counted, because they are still expected to bill.

Filters and export

Product, SKU, vendor and "short only". **Excel** downloads the grid exactly as filtered — change a filter and the export changes with it.

Per row, **Detail** downloads the SKU-level order detail behind the number: one line per renewing subscription with customer, email, status, quantity, price, line total, interval and renewal date. It uses the same status set and date bound as the forecast, so the detail reconciles with the figure it explains.

View opens the Subscriptions grid scoped to that SKU and bounded to the same window, so its row count reconciles with the Renewals column.

Purchase orders

Only when **both** are true:

1. **Raise Purchase Orders** is on in Subscription Settings (off by default), and
2. the **Inventory module** is installed and enabled.

When they are not, the report still works — stock comes through `Shop.Stock`, which abstracts Inventory-backed and legacy storage — and there is simply **no purchase-order affordance**. Not a greyed-out button; absent.

When they are, a banner above the grid reports the short SKU count and offers **Generate Purchase Orders**, which:

- recomputes the shortfalls server-side (the grid may be minutes stale, and the

quantity is what gets ordered),

- groups them by vendor, and by warehouse when Inventory runs a warehouse per

store,

- raises one **draft** PO per (vendor, warehouse) via

`Inventory.InventoryPurchaseOrder.SavePurchaseOrder`,

- leaves `unit_cost` at 0 for staff to price.

Cost is left at zero deliberately: `SubProduct` has no persisted cost column, and Inventory's cost layers only exist after a SKU has been received at least once. PO totals are derived rather than stored, so a zero-cost draft is a normal state that the draft → approval step exists to complete.

Partial success is intentional. A SKU with no vendor, or whose product type is not Inventory-managed for its store, is reported as skipped with a reason while the rest still generate. One misconfigured SKU does not block the batch.

Re-running creates a *new* draft rather than amending the previous one — each run is a separate procurement decision.

Reading it well

- A large shortfall with a First Renewal a week out is more urgent than a larger

one a month out.

- "Vendor: None" means the SKU can never be auto-ordered. Fix it on the SKU.
- Available Now can look enormous for untracked SKUs; that is the "no stock

constraint" sentinel, and the shortfall correctly reads zero.

Related

- **Configuration Guide** — enabling PO generation
- **Technical Reference** — the forecast service