
BarTender Track & Trace

BarTender Track & Trace – Release 12.5

August 2026

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Overview

With the 12.5 update to Track & Trace, Seagull Software continues to enhance site configuration, integration capabilities, configuration management, serialization, mobile RFID support, and operational reporting across the platform. The What's New section describes the most significant features and enhancements included in this release.

BarTender Track & Trace 12.5 release notes are available on the online [BarTender Support Center](#).

The new or improved features available in BarTender Track & Trace are:

- [Site Configuration Dashboard: Manual Refresh Data Update](#)
- [Track & Trace APIs: Location Configuration Management](#)
- [Track & Trace Settings: Configuration History](#)
- [Serialization API: GS1 Serial Number Generation](#)
- [Mobile RFID Support: Zebra RFD40 Series](#)
- [Daily Wash Reporting Usability Enhancements](#)

Site Configuration Dashboard: Manual Refresh Data Update

Organizations managing multiple sites and operational zones need access to current configuration information when reviewing location structures and planning operational changes.

The Site Configuration Dashboard now includes a manual refresh option that updates site and zone information on demand. This allows administrators to retrieve the latest configuration information without reloading the entire application.

To explore this enhancement in action, see the [Site Configuration Dashboard Manual Refresh walkthrough](#).

As locations and zones are added or updated, administrators can use the refresh option to update location and zone lists, summary metrics, map data, and related navigation elements together. This provides a synchronized view of the latest site configuration while allowing configuration activities to continue without interruption.

Manual refresh also provides a direct way to verify recent configuration changes. After locations or zones are updated, administrators can refresh the dashboard and review the resulting lists, metrics, maps, and navigation information without leaving the current workflow.

Benefits

- **Current Configuration Visibility:** Administrators can retrieve the latest site and zone information whenever needed, providing greater confidence that configuration reviews are based on current data.
- **Reduced Workflow Interruptions:** Dashboard information can be refreshed without restarting or reloading the application, allowing configuration tasks to continue with minimal disruption.
- **Consistent Dashboard Information:** Location and zone lists, summary metrics, map views, and navigation elements are refreshed together, providing a synchronized view of the current configuration.
- **Improved Configuration Validation:** Recent changes to locations and zones can be verified after they are completed, supporting configuration accuracy and reducing the need for repeated navigation.

Track & Trace APIs: Location Configuration Management

Organizations managing multiple operational sites need consistent ways to replicate, review, and maintain location structures as their environments grow.

Track & Trace now supports importing and exporting Location and Zone configurations, allowing configuration data to be reused across operational environments and reducing repetitive site setup and maintenance activities.

For technical details about implementing these capabilities, see the [Track & Trace API documentation](#).

Location and Zone configuration data can be exported in a structured file format for review or reuse. Configuration data can also be imported to create or update site configurations, providing a consistent approach to managing location structures across multiple sites.

Before configuration changes are applied, imported data can be validated to identify potential issues. This provides additional control over configuration updates and helps organizations maintain consistent Location and Zone definitions when deploying new sites or updating existing environments.

Benefits

- **Faster Site Deployment:** Existing site configurations can be reused when introducing new facilities, reducing the time required to prepare operational environments.
- **Consistent Configuration Management:** Standardized import and export capabilities help maintain consistent Location and Zone definitions across multiple sites.
- **Validation Before Applying Changes:** Configuration files can be validated before updates are applied, helping identify potential issues and reducing the risk of configuration errors.
- **Simplified Configuration Maintenance:** Configuration data can be reviewed, updated, and managed outside the application before being applied, making ongoing maintenance more efficient.
- **Reduced Manual Configuration:** Bulk import capabilities reduce repetitive configuration tasks and improve consistency when updating large numbers of Locations and Zones.

Track & Trace Settings: Configuration History

Configuration settings define how inventory, lifecycle, and master data behaviors are applied across Track & Trace. As these settings evolve, organizations need visibility into configuration changes and controls that help maintain consistent operational rules.

The Settings page now includes centralized configuration history for Inventory, Lifecycle, and Master Data settings. This provides administrators with a chronological record of configuration changes and greater visibility into how settings have evolved over time.

To explore this enhancement in action, see the [Track & Trace Configuration History walkthrough](#).

Configuration history identifies when changes occurred, who made them, and which settings were affected. Human-readable change summaries make it easier to review administrative activity and understand changes without comparing configuration values manually.

Lifecycle configuration has also been enhanced with validation that prevents duplicate status names and improved synchronization between globally defined lifecycle rules and site configurations. Together, these enhancements help maintain consistent lifecycle behavior and improve the quality of configuration data across operational environments.

Benefits

- **Complete Configuration History:** Configuration changes are recorded in chronological order, making it easier to review when changes occurred, who made them, and which settings were affected.
- **Improved Audit Readiness:** Automatically recorded configuration history supports governance and compliance by providing a reliable record of administrative changes.
- **Consistent Lifecycle Configuration:** Lifecycle settings defined at the global level are reflected consistently across site configurations, helping maintain standardized operational behavior.
- **Higher Configuration Quality:** Validation prevents duplicate lifecycle status names, reducing ambiguity and helping preserve accurate configuration data.
- **Better Administrative Visibility:** Human-readable change summaries simplify configuration reviews and help administrators understand how settings have evolved over time.

Serialization API: GS1 Serial Number Generation

Organizations managing serialized products often need multiple GS1 identifier formats to support RFID encoding, barcode labeling, digital product identification, and regulatory requirements.

The Serialization capability now supports automatic serial number allocation for GS1 identifiers and the generation of multiple identifier formats in a single request. These enhancements provide a consistent approach to generating identifiers across RFID, barcode, and digital traceability workflows.

For technical details about implementing these capabilities, see the [Track & Trace API documentation](#).

Serial numbers can be assigned automatically, reducing the need to manage serial sequences separately. Multiple supported identifier representations can also be generated together, helping maintain consistency between the identifiers used for physical labeling, RFID encoding, and digital product information.

The Serialization capability also expands support for GS1 identifier types and provides additional product context for supported identifiers. Information such as lot and expiration data can be included where applicable, supporting traceability and regulatory requirements across serialized product workflows.

Benefits

- **Automated Serial Number Assignment:** Serial numbers are assigned automatically, reducing the need to manage serial sequences manually and helping maintain consistent identifier generation.
- **Multiple Identifier Formats:** RFID, barcode, and digital identifier formats can be generated together, reducing the need for separate generation processes.
- **Expanded GS1 Support:** Support for additional GS1 identifier types enables organizations to address a wider range of serialization and asset identification scenarios.
- **Enhanced Product Context:** Product context information, including lot and expiration data where applicable, can be included to support traceability and regulatory requirements.
- **Consistent Identification Across Workflows:** A unified serialization process helps maintain consistency between printed labels, RFID tags, and digital product information throughout operational workflows.

Mobile RFID Support: Zebra RFD40 Series

Reliable RFID device support is important for maintaining inventory operations as enterprise hardware evolves and mobile device fleets are refreshed.

The mobile application now supports Zebra RFD40 RFID sleds for core RFID-based workflows. This enhancement enables organizations to use current-generation RFID hardware for inventory, tracking, item lookup, and related mobile operations while maintaining a consistent user experience across supported devices.

A demonstration of the Zebra RFD40 Series reader is available in the HTML version of this documentation.

Improved connection management also helps maintain RFID availability during daily activities by supporting more reliable device connection and reconnection behavior.

Support for the Zebra RFD40 Series extends current mobile RFID workflows without requiring separate operational processes. Warehouse and field personnel can continue using supported inventory, tracking, and item lookup workflows while organizations transition to newer RFID hardware.

Benefits

- **Support for Current RFID Hardware:** Expands compatibility with modern RFID devices, allowing organizations to adopt newer hardware as part of ongoing device refresh initiatives.
- **Reliable Device Connectivity:** Improved connection and reconnection behavior helps maintain RFID availability during mobile operations, reducing interruptions caused by temporary connectivity loss.
- **Workflow Continuity:** Core RFID workflows remain available when transitioning to supported hardware, minimizing operational changes for warehouse and field personnel.
- **Extended Device Lifecycle Options:** Support for currently available RFID hardware reduces reliance on legacy equipment and helps simplify future hardware replacement planning.
- **Improved Operational Readiness:** Compatibility with current enterprise mobile environments supports broader deployment options and helps maintain consistent performance across supported devices.

Daily Wash Reporting Usability Enhancements

This enhancement is available specifically for Mojix Retail customers using Daily Wash reporting.

Operational reporting depends on accurate event filtering, meaningful performance indicators, and reliable dashboard behavior. As reporting volumes grow, organizations need reports that present relevant operational data while avoiding misleading metrics and unnecessary loading errors.

The Daily Wash reporting experience has been enhanced with improvements to wash count accuracy, projected KPI behavior, and the default reporting period for the EPCIS Event Metrics dashboard.

Daily wash count metrics now include only qualifying inventory events, helping ensure that reported values better represent operational activity. Projection metrics are also displayed only when sufficient historical data is available to support a meaningful result.

The EPCIS Event Metrics dashboard now opens with a default date range aligned with supported reporting limits, reducing the likelihood of report loading errors. Together, these changes provide a more consistent reporting experience across key performance indicators, trend visualizations, and search results.

Benefits

- **More Accurate Wash Counts:** Daily wash count metrics now reflect only qualifying inventory events, providing a more representative view of operational activity and reducing discrepancies caused by unrelated events.
- **Clearer Performance Indicators:** Projection metrics are shown only when enough historical information is available to produce meaningful results. When sufficient data is unavailable, the report indicates that a reliable prediction cannot be generated.
- **Improved Dashboard Reliability:** The EPCIS Event Metrics dashboard opens with a default reporting period aligned with supported data ranges, reducing report loading errors and providing a more consistent experience.
- **Consistent Reporting Results:** Key performance indicators, trend visualizations, and search results are based on the same validated dataset, improving confidence in operational reporting.
- **Better Operational Decision Support:** More accurate metrics and clearer reporting behavior help managers evaluate daily operations using data that better reflects current inventory activity.

Related Documentation

Technical Documents

To view and download technical documents, visit:

<https://www.bartendersoftware.com/resources/library>

Support Articles

- [Getting Started with BarTender Track & Trace](#)

Other Resources

- Please visit the BarTender website at <https://www.bartendersoftware.com>.

bartendersoftware.com

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Version 8/26/2026