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# BarTender Track & Trace

BarTender Track & Trace – Release 12.4

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# Overview

With the 12.4 update to Track & Trace, Seagull Software continues to enhance site administration, RFID integration, mobile device support, configuration management, and API capabilities across the platform. The What's New section describes the most significant features and enhancements included in this release.

BarTender Track & Trace 12.4 release notes are available on the online [BarTender Support Center](#).

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

- [Site Configuration Dashboard: Enhanced Site and Zone Management](#)
- [IoT Integration: Fixed Reader Connectivity and Data Collection](#)
- [Track & Trace APIs: Inventory Snapshot and Location Data](#)
- [Track & Trace Settings: Lifecycle and Master Data Configuration](#)
- [Mobile RFID Support: Honeywell IH45 Reader](#)

# Site Configuration Dashboard: Enhanced Site and Zone Management

Managing operational locations and their associated zones is essential for organizations that depend on inventory visibility, movement tracking, and location-based workflows.

The Site Configuration Dashboard expands site administration by introducing additional capabilities for managing locations, facility maps, and operational zones through a centralized configuration experience.

Interactive Walkthrough: Explore the [Site Configuration Dashboard walkthrough](#) enhancements with the interactive walkthrough..

Organizations often need to maintain multiple facilities with similar layouts while adapting maps and operational zones as sites evolve. This update simplifies ongoing administration by making it easier to duplicate existing configurations, organize operational areas, and keep facility maps up to date.

Authorized users can duplicate locations and zones, search and filter large location portfolios, update facility maps without recreating existing configurations, position zones using an optional alignment grid, and identify operational areas through visual zone type indicators.

The update also introduces map tooltips that provide additional location details directly within the map view, improving navigation and awareness when managing complex operational environments.

## Benefits

- **Faster Location Setup:** Existing locations can be duplicated together with their associated configuration, reducing the effort required to create similar operational sites.
- **Improved Zone Configuration Efficiency:** Zone duplication accelerates the creation of similar operational areas while preserving existing configuration patterns and zone characteristics.
- **Enhanced Location Discovery:** Expanded search, filtering, and sorting capabilities make it easier to locate specific sites within large location portfolios.
- **Improved Map Visibility:** Location tooltips provide immediate access to key site information directly from the map, improving navigation and contextual awareness.
- **Simplified Map Maintenance:** Facility maps can be updated while preserving existing locations and zones, supporting changes to operational layouts over time.
- **More Consistent Zone Placement:** Optional grid-assisted positioning helps organize zones on facility maps and maintain clearer visual alignment.
- **Clearer Zone Identification:** Visual indicators based on zone type provide additional context when viewing facility layouts and operational areas.

# IoT Integration: Fixed Reader Connectivity and Data Collection

Organizations that rely on fixed RFID infrastructure require accurate and continuous data collection to maintain inventory visibility and understand item movement throughout their facilities.

The IoT Integration capability expands support for fixed reader environments by introducing item-level tag read processing and operational zone associations that provide physical context for reader activity.

By associating reader channels with configured operational zones, Track & Trace can better interpret where items are detected and generate more meaningful inventory and movement events.

Fixed RFID readers can now contribute inventory and movement data directly to operational workflows. The platform processes incoming tag reads, associates reader activity with operational zones, and supports multiple identification methods to improve the accuracy and consistency of inventory tracking across facilities.

Incoming reads continue to be processed even when portions of the operational configuration are incomplete, helping preserve valuable inventory data during deployments, configuration updates, or infrastructure changes.

## Benefits

- **Improved Fixed Reader Integration:** Fixed RFID readers contribute inventory and movement data directly to operational workflows, expanding support for automated data capture across facilities.
- **Location-Aware Read Processing:** Reader activity can be associated with operational zones, providing the physical context needed to interpret item movement and location changes more accurately.
- **Support for Diverse Identification Methods:** The platform processes item reads from multiple identification standards and formats, supporting a broader range of deployment scenarios.
- **Reliable Data Capture:** Incoming reads continue to be processed even when operational configuration is incomplete, reducing the risk of data loss during deployment or configuration changes.
- **Greater Operational Visibility:** Associating reader activity with operational zones improves visibility into item movement across facilities and operational areas.
- **Scalable Data Collection:** Support for high-volume fixed reader environments helps organizations expand RFID coverage while maintaining consistent inventory visibility.

# Track & Trace APIs: Inventory Snapshot and Location Data

Organizations often integrate Track & Trace with enterprise business systems to synchronize operational information, inventory data, and site configurations across multiple applications.

The Track & Trace APIs expand integration capabilities by providing programmatic access to locations, maps, operational zones, inventory snapshots, and inventory analytics. This enables external systems to consume the same operational information available within the platform.

By exposing both site configuration and inventory data through the APIs, organizations can build integrations that maintain consistent operational structures, improve reporting accuracy, and automate data synchronization across connected environments.

```
curl --request GET \  
  --url https://api.bartender-tt.com/inventory/stock/export \  
  --header 'Accept: text/csv, application/json' \  
  --header 'Authorization: Basic bW5hdmFybm9ka2VhZ3VabHNvZnR3YXJLLmNvbTpTZW5ndWxhbnTU2AR==' \  
  --header 'apiKey: '
```

These enhancements establish a consistent foundation for integrating operational tracking data with enterprise workflows, reporting platforms, and business applications while maintaining alignment with the data displayed throughout Track & Trace.

The APIs support programmatic access to location structures, facility maps, operational zones, inventory snapshots, and inventory analytics. Organizations can synchronize site configurations, retrieve current inventory positions, and incorporate operational data into external business systems while maintaining consistency with Track & Trace inventory calculations and location management.

## Benefits

- **Consistent Inventory Visibility:** Inventory snapshots and analytics reflect the same operational inventory view used throughout the platform, helping maintain consistency across reporting and planning systems.
- **Automated Site Management:** Locations, maps, and operational zones can be maintained through integration workflows, reducing manual configuration activities and supporting synchronized site structures.
- **Improved Data Alignment Across Systems:** Business applications can reference a common source of operational information, reducing discrepancies between inventory, location, and reporting environments.
- **Enhanced Analytics Consumption:** Inventory metrics and aggregated stock information can be incorporated into external reporting and business intelligence processes for broader operational analysis.
- **Support for Large-Scale Deployments:** Centralized access to site and inventory data simplifies the management of complex operational networks with multiple locations and operational zones.
- **Improved Operational Decision-Making:** Access to current inventory positions and location structures provides greater visibility into stock distribution, facility activity, and operational performance.
- **Reduced Configuration Duplication:** Site definitions, maps, and zone structures can be maintained consistently across connected business systems, reducing repetitive setup and maintenance efforts.

# Track & Trace Settings: Lifecycle and Master Data

Organizations need consistent configuration controls to ensure inventory behavior, product information, and operational terminology remain aligned across users, workflows, and reporting.

The Settings experience has been expanded with dedicated Lifecycle and Master Data configuration capabilities. These centralized administration pages provide greater control over inventory statuses, lifecycle rules, product identification, GS1 settings, and category hierarchy labels.

Learn how to configure inventory statuses, transition rules, and inventory availability in the [Lifecycle walkthrough](#).

Learn how to configure product identification, GS1 settings, and category hierarchy labels in the [Master Data walkthrough](#).

By centralizing lifecycle and master data administration, organizations can establish consistent operational rules while adapting the platform to their own terminology, inventory processes, and reporting requirements.

Lifecycle Management provides centralized administration of inventory statuses, including activation, editing, visual representation, transition rules, stock eligibility, and lifecycle governance. The Master Data configuration area introduces controls for preferred product identifiers, GS1 compatibility, and category hierarchy labels, allowing organizations to define how product information is represented throughout Track & Trace.

## Benefits

- **Centralized Lifecycle Administration:** Lifecycle statuses can be reviewed and managed from a single configuration area, providing greater visibility into inventory state definitions and their impact on operational reporting.
- **Configurable Status Definitions:** Status names, descriptions, and visual identifiers can be adjusted to reflect organizational terminology while maintaining consistent operational behavior.
- **Controlled Status Transitions:** Lifecycle transition rules can be configured to support different operational scenarios, helping ensure inventory status changes follow established business processes.
- **Flexible Inventory Availability Logic:** Statuses can be designated as contributing to stock calculations, allowing inventory metrics to better reflect operational requirements.
- **Expanded Lifecycle Coverage:** Additional predefined statuses can be activated as needed, providing greater flexibility for organizations with specialized inventory processes.
- **Consistent Product Identification:** Product display behavior can be configured to use a preferred product identifier across dashboards and mobile workflows, supporting a unified user experience.
- **GS1 Configuration Support:** Master Data settings include controls for GS1 compatibility, supporting organizations that require standardized product identification practices.
- **Business-Aligned Product Classification:** Category hierarchy labels can be configured to match organizational terminology, improving reporting clarity and navigation consistency.
- **Standardized Initial Configuration:** New environments begin with predefined lifecycle and master data settings, providing a consistent operational baseline while allowing future customization.

# Mobile RFID Support: Honeywell IH45 Reader

Organizations that use mobile RFID workflows require compatible hardware options that support inventory, traceability, and retail operations across different deployment environments.

Support has been added for the Honeywell IH45 RFID reader across Track & Trace mobile workflows. This enhancement enables RFID-based operations using supported Honeywell device combinations while maintaining barcode-based workflows when RFID functionality is not required.

A demonstration of the Honeywell IH45 RFID reader is available in the HTML version of this documentation.

The enhancement includes reader connectivity, RFID data capture, and continued support for barcode operations. This provides greater deployment flexibility while maintaining a consistent mobile application experience across supported workflows.

Mobile users can perform RFID-enabled inventory, receiving, counting, traceability, and retail activities using the Honeywell IH45 reader. Multiple connection methods are supported, allowing organizations to align device deployments with operational requirements and device management practices.

Barcode workflows remain available when the RFID reader is disconnected or not required, helping maintain operational continuity across different working conditions.

## Benefits

- **Expanded Device Compatibility:** Organizations can deploy supported Honeywell RFID hardware as part of mobile inventory and traceability operations, providing additional flexibility when selecting or refreshing mobile device fleets.
- **Support for RFID-Based Workflows:** Mobile users can perform RFID-driven processes with the Honeywell IH45 reader across supported inventory, receiving, counting, traceability, and retail workflows.
- **Flexible Connectivity Options:** Multiple connection methods support deployment models aligned with operational requirements and device management practices.
- **Operational Continuity:** Barcode workflows remain available when RFID hardware is not connected or required, helping maintain productivity across different operational scenarios.
- **Reduced Hardware Fragmentation:** Support for additional validated device combinations provides greater deployment flexibility while maintaining a consistent application experience.
- **Improved Mobility Planning:** Organizations evaluating Honeywell hardware can include the IH45 reader in future deployment strategies without introducing separate workflow processes.

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## 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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