

Footprint 25.04 Release Notes

Released: May 2025

These release notes provide information about new features and updates included in the latest release of Footprint API, Footprint Customer Portal, Footprint Desktop, Footprint Mobile, Footprint Mobile Web, Footprint Runtime Environment, and Footprint Server.

New Features & Updates

Footprint API

- **Action: RestartAPI:** added the action **RestartAPI** which, with given parameters, will restart the API. [183677]
- **Action: CompleteMoveSerialsInventoryToNewLicensePlateTask:** added the action **CompleteMoveSerialsInventoryToNewLicensePlateTask** which, with given parameters, will complete serial moves of inventory to a new license plate. [194533]
- **Action: CompleteMoveLicensePlateToLocationTask:** added the action **CompleteMoveLicensePlateToLocationTask** which, with given parameters, will complete a license plate move to an existing location. [194535]
- **Action: CompleteMoveSerialsInventoryToExistingLicensePlateTask:** added the action **CompleteMoveSerialsInventoryToExistingLicensePlateTask** which, with given parameters, will complete serial moves of inventory to an existing license plate. [196207]

- **Action: CompleteMoveInventoryToNewLicensePlateTask:** added the action **CompleteMoveInventoryToNewLicensePlateTask** which, with given parameters, will complete a move of inventory to a new license plate. [196208]
- **Action: CompleteMoveInventoryToExistingLicensePlateTask:** added the action **CompleteMoveSerialsInventoryToExistingLicensePlateTask** which, with given parameters, will complete an inventory move to an existing license plate. [196209]
- **Action: SetEntityTombstoneStatus:** added the action **SetEntityTombstoneStatus** which, with given parameters, will set a tombstone status for the entity. [201214]
- **Action: Recurring billing uses the lot create date instead of lot receive date:** added the ability to specify if recurring billing uses the 'Lot Created' date or the 'Lot Received' date for the following actions:
CreateInventoryOnExistingLicensePlate,
CreateInventoryOnNewLicensePlate,
CreateSerialsInventoryOnExistingLicensePlate,
CreateSerialsInventoryOnNewLicensePlate. [200175]
- **Action: CreateManufacturingWave:** added the action **CreateManufacturingWave** which, with given parameters, creates a manufacturing wave. [198213]
- **Action: ProcessManufacturingWave:** added the action **ProcessManufacturingWave** which, with given parameters, processes a manufacturing wave. [204031]
- **Action ReleaseManufacturingWave:** added the action **ReleaseManufacturingWave** which, with given parameters, releases a manufacturing wave. [205269]

Footprint Desktop

- **Picking on wave release have the a new operation group by CLP which allows all LP under to be allocated:** added the option on the Waves screen to 'Group by CLP' that groups the pick tasks by Composite License Plates (CLPs). [190364]
- **Manufacturing staging location lockdown not functioning as expected:** added a new Owner Setting "**Manufacturing Feedback - Lockdown Staging Location**" that when enabled, locks the manufacturing staging location when completing a manufacturing feedback. [196453]
- **Output parameters for recommended license plate location:** improved validation messages for input and output parameters of the TypeScript version of the recommended license plate workflow. [195253]
- **Times in the appointment screen are displayed in server time zone:** introduced a setting called "**DisplayAppointmentTimesOnWarehouseTimeZone**" that when enabled, ensures dock appointment times are displayed in the warehouse's time zone instead of the user's local time zone. [189188]
- **Times in the appointment grid are displayed in server time zone:** introduced a setting called "**DisplayAppointmentTimesOnWarehouseTimeZone**" that when enabled, ensures dock appointment times are displayed in the warehouse's time zone instead of the user's local time zone. [198942]
- **Cycle Count on the generation to handle CLP:** added the ability to create a cycle count for license plates associated with a Composite License Plate (CLP) in a location with a CLP and/or the CLPs themselves, as well as the ability to prompt the Mobile Web user to scan all LPs associated with the CLP in that location. [190326]
- **Create SQL scripts to transition customers into next gen material catalog:** created a set of scripts to transfer the legacy material catalog into the new material catalog. [198591]

- **Integrate Custom Commands (Execute) as a Studio workflow:** added the ability to create Custom Command (Execute) as a TypeScript workflow. [174697]
- **Integrate Custom Commands (Get) as a Studio workflow:** added the ability to create Custom Command (Get) as a TypeScript workflow. [174698]
- **Integrate Barcode Parser as a Studio workflow:** added the ability to create Barcode Parser as a TypeScript workflow. [174692]
- **Integrate Barcode Parser (Get) as a Studio workflow:** added the ability to create Barcode Parser (Get) as a TypeScript workflow. [174700]
- **Integrate Wave Release Processing as a Studio workflow:** added the ability to create Wave Release Processing as a TypeScript workflow. [174710]

Footprint Mobile Web

- **Rebrand:** we are pleased to announce new branding and colors available on new deployments. [200584]
- **Improve the cluster pick screen AND regular picking for material scan and increment:** made improvements to the Cluster Pick screen, as well as regular picking for material scans and incrementing quantity of picked items. Also added the ability to confirm when the expected quantity is reached. [196109]
- **Grid view of LP pick:** when searching for pick tasks, enhanced the results grid to display tasks grouped by Composite License Plates. [185310]
- **Ability to Pick CLP like an LP:** when 'Group by Composite License Plate' is selected during picking, added a new screen called 'CLP Pick' to allow the confirmation by CLP. [185312]
- **Create a new input context in message controller workflow for PO receiving confirm task:** added new input context to the Message Controller workflow

when a receiving task is completed that invokes the workflow with the given context. [199077]

- **Picking, multiple lines are able to be selected:** added a new setting called 'PickingSingleTaskSelection' that when enabled, only allows one pick task to be selected at a time. [197924]
- **Cycle Count on the Confirm Count screen modifications:** added the ability to count license plates associated with a Composite License Plate (CLP) in a location with a CLP and/or count the CLPs themselves , as well as the ability to scan all License Plates associated with the CLP in that location. [185292]

Footprint Server

- **Create new Configuration table:** created a new configuration table to allow configurations and settings to be persisted in the database for use in TypeScript workflows. [200903]
- **Refactor stored procedure that updates serial numbers:** improved performance when updating serial numbers. [196917]
- **Additional index for each of the BillingRecords, BillingTasks, and Tasks tables:** improved performance by adding additional indexes on the BillingRecords, BillingTasks, and Tasks tables. [196533]
- **Create tombstone infrastructure:** added support for tombstone used to record deleted data needed for business analytics. [160483]
- **Refine FootPrintEventTypes settings:** improved the 'FootPrintEventTypes' settings to streamline event consumption and prevent deadlocking. [200313]
- **Modify migration scripts that drop indexes to check for expected indexes:** modified migration scripts that drop indexes to check for expected indexes and add them when they do not exist. [195143]

Resolved Issues

Footprint API

- **Fix oDataApiViewColumnInfos to have a new column 'hasDefaultValue' if a default value exists:** corrected a backwards-compatibility issue by setting default values for expected null fields in the WMS. [196818]
- **oData API type 'UserDefinedField' was defined twice:** removed the duplicate 'UserDefinedField' type when the user defined fields are queried. [200807]
- **Workflow allocation strategy, fix abstract class on output parameters:** resolved an issue with the workflow strategy on the output parameters so it functions as expected. [201541]
- **Enumerator ReserveldEntityEnum does not include existing entities that support reserve ID:** ensured the reserve_nextId_flow function applies to the "InventoryTransformations" entity. [201768]
- **Inventory Transformation task is not linked to corresponding inventory transformation:** ensured the inventory transformation task is properly linked to the corresponding inventory transformation. [201769]
- **If source LP only contains exact inventory for the transformation, transformation fails with error:** ensured transformations do not fail or error due to the source license plate containing only the exact inventory for the transformation. [201770]
- **Footprint API becomes inaccessible after server restart:** ensured the IIS starts before the Web Controller Service so the oData API remains accessible after a server restart. [115933]

Footprint Customer Portal

- **Edit and Submit button return no data:** resolved a blank screen issue that could occur when selecting an order and clicking the Edit and Submit button. [194342]
- **Issue with locating material when creating orders:** when creating an order, ensured materials fitting the search criteria are listed for selection without duplicates. [194753]

Footprint Desktop

- **Appointment data refresh issue:** ensured newly created appointments display without requiring a refresh. [192621]
- **Initial storage with grace period:** ensured the initial and reoccurring storage grace period billing strategy accounts for all the ways inventory can be received and its corresponding removal. [197619]
- **Container type selection not committed during unpick task:** ensured the selected license plate (LP) container type is retained for both source and target LPs during a partial unpick of a shipping LP. [168007]
- **CLP Pick, CLP doesn't carry the dimensions / weights of the internal LPs:** ensured the correct dimensions and weights of internal license plates (LPs) are calculated for a composite license plate (CLP) when performing operations like Pick, LP Move, receiving into the CLP, and so on. [200407]

Footprint Mobile

- **Clicking Back from a Receive task screen doesn't go back, only refreshes:** resolved a refresh issue during receiving where clicking Back on a receive task didn't go to the previous screen. [196750]

- **Container type not saved during picking process:** ensured the selected container type is retained during picking. [197945]

Footprint Mobile Web

- **ASN receiving, unable to select Container Type:** ensured a container type can be selected during ASN receiving. [200722]
- **ASN receiving, cursor lands on Receipt field, not on LP:** when ASN receiving, ensured the cursor defaults in the LP (License Plate) field instead of the Receipt field. [198286]
- **License Plate grouping and hard allocation conflict:** resolved an issue when grouping license plates for pick tasks, ensuring they are properly updated and not conflicting with existing allocations. [196798]
- **LP Move clears the CLP relationship:** ensured that when a license plate that was part of a composite license plate is moved, the relationship is maintained. [194100]
- **Load by Container passes all license plates to recommend location workflow and does not update the scanned load container:** when scanning a load container, ensured passing of only the selected license plate to the recommend location workflow to prevent triggering an error, as well as ensured the correct container type is selected by default. [201147]
- **Serial Number allocation blocking license plate grouping:** when 'Group by License Plates' is enabled and serial numbers are specified, the grouping by license plate is prevented to allow individual serial selection. [196799]
- **Recommended location for loading does not clear out after the shipment finished loading:** ensured the recommended location value is no longer retained once the all license plates are loaded and the shipment is completed. [202369]

- **Directed inventory move is not selecting the desired LP or location:** ensured the desired target license plate and target location are selected when a directed inventory move is created from Desktop. [202486]
- **Inventory move to new CLP in CLP-only location gives an error:** ensured inventory move to a new composite license plate (CLP) in CLP-only locations behaves as intended. [206209]
- **Wrong message when a user's password has expired:** updated the error message to indicate the password entered has expired. [206220]
- **Error when user is entered wrong should be consistent:** updated the error message to indicate when an incorrect username or password was entered. [204088]
- **Allowing wrong Material ID to be scanned and pick completed:** prevented the user from picking the wrong material when the owner setting "**Picking - Require Material/UPC Scan**" is enabled. [138027]

Footprint Runtime Environment

- **Environment service installer failing when the server OS is in Spanish:** resolved an error that could cause the Environment service installer validation to fail if the server OS was in Spanish. [203465]

Footprint Server

- **Incorrect user stored in ShipmentOrderLookup tombstone table:** updated the user stored in the **ShipmentOrderLookup** tombstone table from 'datex_user' to the username of the specific person who clicked the Delete button. [204171]

- **Replace trigger on location path when Desktop creates or moves a location, consider entity import:** improved performance when creating or moving a location. [200441]