



QAD Adaptive Release Notes

November 2025

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1. Introduction

QAD is pleased to announce the availability of Adaptive service pack. This service pack provides cumulative fixes, performance improvements, new features, and enhancements. It is available as a general availability cloud release and includes AI-enabled capabilities designed to reduce inefficiencies, mitigate risks, and improve responsiveness in complex manufacturing operations.

Every QAD Adaptive release is filled with new features, enhancements, and updates that address the agility and adaptability required by manufacturers. Many of these improvements are based on customer and user feedback. Additionally, our partners, business consultants, industry experts, and other contributors play a key role in our product development efforts by sharing ideas and affirming the business benefits for new capabilities.

For this release, customers are encouraged to work closely with their QAD account manager or partner to learn more about the selection, implementation, and use of new and upgraded capabilities for their specific business requirements.

This release note includes technical information about QAD Adaptive. Review this document before proceeding with any phase of an implementation or upgrade.

2. New Features and Enhancements

This section summarizes the general updates and module-specific enhancements delivered in this release. Comprehensive details and step-by-step guidance are available in the [QAD Adaptive Online Help](#).

2.1. Champion AI

Champion AI is native Agentic AI built on the Core AI Platform framework in Adaptive. Champion AI integrates multiple artificial intelligence technologies to deliver contextual assistance and automation across Adaptive applications. Champion AI includes the following key capabilities:

- Generative AI for knowledge assistance.
- Retrieval-Augmented Generation (RAG) for accurate responses.
- Machine Learning for adaptive optimization and predictive insights.
- Safety Guardrails for secure, compliant, and reliable AI operations.
- Agentic Access for autonomous, goal-driven actions.

Champion AI introduces new capabilities in Adaptive business processes that enhance automation and support decision-making across key operational areas. Champion AI can:

- Support use cases in inventory optimization to maximize business potential; for example:
 - Automate data extraction and preparation from Snowflake for analysis and simulation.
 - Optimize safety stock and service levels using real operational data.
 - Identify and recommend parameter adjustments to reduce excess inventory and improve liquidity.
- Act as a productivity agent to reduce and automate recurring, routine tasks.

2.2. Action Centers

2.2.1. New Visual Options

These visual options are now available in Action Centers to help you customize and manage visuals more efficiently:

- **Widget Settings:** This option allows you to edit the widget settings, including the display name, description, header, footer, and picker. The display name is the title shown in the action center. The description provides a brief summary of the widget. You can view and edit the name and description on the Widget panel. Use the header, footer, and picker settings to enhance the visual layout and improve user interaction.
- **Widget Comments:** This option allows you to view, add, edit, or delete comments about the visual. If there are comments on the visual, the Widget Comments icon is green. Otherwise, the icon is gray.
- **Describe Visual:** This option allows you to copy a summary of the visual and use it outside the QAD Adaptive environment as needed.
- **Convert to Local/Add to Visuals:** This option changes based on the visual type:

- Convert to Local – Converts a shared visual to a local visual. Shared visuals are created by users and saved in the Visual Gallery. They can be reused across multiple action centers. Any changes made to a shared visual are reflected in all action centers where that visual appears.
- Add to Visuals – Converts a local visual to a shared visual. Local visuals are created directly in an action center and are unique to that action center. Changes are saved when you save the action center.

2.2.2. View Mode

As an action center owner or editor, you can use View mode to see the action center exactly as it appears to users with viewer access. This approach helps you validate the layout, visuals, and overall experience of the action center.

To switch between View and Edit modes, use the Action Center View Mode icon on the toolbar.

2.2.3. Sunburst Visual Type

A new visual type, Sunburst, is now available in Action Centers. The Sunburst visual displays up to three levels of hierarchical data in a circular format. The top-level data appears at the center. The second-level and third-level data display in rings expanding outward. To include a third level, go to the visual's settings sidebar and select Enable Level 3 Group.

You can also sort data and customize colors to highlight patterns and relationships within your hierarchy. The Sunburst visual clearly displays the structure and proportions of nested data for ease of understanding.

2.3. Base Data

2.3.1. Units Of Measure

The new Units of Measure screen enables you to set up units of measure in the system. It also allows you to manage units of measure data separately from Generalized Codes.

2.3.2. Duals Units Of Measure

Use the new Dual Units of Measure screen to set up secondary units of measure for an item. For example, pencils are measured by piece but might be delivered in boxes. This functionality enables you to flexibly manage catch weights for items across types or sites. Set up catch weight values for an item with target, minimum, and maximum values. As part of this enhancement, a new drill down in Items shows the relationship between items and appropriate dual units of measure.

2.4. Production Scheduling

Capabilities from QAD Advanced Scheduling are incorporated into QAD Adaptive. These integrated features are collectively referred to as Production Scheduling. Production Scheduling provides advanced tools for managing and optimizing day-to-day manufacturing schedules. It uses intelligent algorithms and a modern interface to help planners improve efficiency and visibility, and to control

access to production processes such as material management, inventory coordination, and changeover planning.

Key features include:

- Modern graphical scheduling – Supports mouse-based interaction with drag-and-drop controls and color-coded visuals.
- Scheduling strategies – Offers one-click optimization for minimizing changeovers and improving resource utilization.
- Automated production order generation – Automatically creates production orders based on demand and material requirements.
- Action sequence management – Allows you to design and execute tailored scheduling action sequences such as order combination, order splitting, and capacity leveling.

2.5. Customer Management

2.5.1. Field Service Management

- Field Service Management features migrated from QAD EE 2022 are listed in [UX Enhancements](#).
- RMAs (Return Material Authorizations)
 - RMA can support configured KIT Items at the return line.
 - The RMA view can now process returns of kit items. RMAs also processes all the kit's components in the Inventory Detail and Inventory Transactions screens.
- When adding a replacement item in an RMA, an ATP Enforcement pop-up now appears to confirm due dates before proceeding.
- Background Processing for RMAs
 - You can now generate RMAs using Background Processing. This allows you to continue working in QAD Adaptive; background processing results are delivered directly to your inbox. To enable this feature by default, set the option on the RMAs panel in Service Control. Background processing is available for the following actions:
 - Service Orders > Actions > Create RMA
 - Invoice History > Actions > Create Return
- You can update MO Assigned user and MO Ship-to fields in Service Order lines, offering you flexibility in handling logistics updates.
- Excel Import and Export capabilities are now available in the following views:
 - RMAs (Service Management > Return Material Authorizations)
 - Depot Orders
 - Service Types

2.5.2. Sales

- Sales features migrated from QAD EE 2022 are listed in [UX Enhancements](#).

- Pending Invoices modification is now supported in Sales Orders. This ensures that invoices show the current tax data.
- Excel Import and Export is now supported in Customer Items.
- The Ship Allocated action in Sales Orders now supports edited tax values after the creation of the sales order. After the sales order is invoiced, the updated tax amount now appears in the invoice.
- Sales Orders is enhanced to implement Intrastat functionality specifically to support configured Items. This enhancement ensures the smooth transfer of your configured goods within the European Union.

2.5.3. Catch Weight

Catch Weight functionality is integrated into Adaptive to support the complex pricing and inventory needs of food and beverage manufacturers.

Catch weight refers to management of inventory in variable weight by packaging unit. This is common in industries where products are sold by weight, but goods are received in stock and shipped by units with varying weights.

Benefits for the user include:

- Meeting Customer Requirements: Customers often purchase from the manufacturer using packaging units (for example, cases), but they require precise product weights to be recorded on sales orders, outbound shipments, and invoices.
- Quality Control and Regulatory Compliance: Variable weights can impact product quality. Catch weight functionality helps in monitoring quality standards. There are strict regulations regarding labeling of food products and accurate weight information.
- Inventory Accuracy (Inventory Controls & Material Planning): Inventory accuracy is crucial for proper stock management and production scheduling. Throughout the supply chain, from receiving raw materials to distributing finished goods, accurate catch weight functionality is vital for effective inventory management.
- Manufacturing: It is crucial to ensure that the correct amount of ingredients is used and that the final product meets the specified weight criteria.
- Costing and Pricing: Catch Weight functionality is essential for calculating costs and pricing products appropriately.

To ensure smooth processing and implementation, Catch Weight functionality has been integrated the following areas of Adaptive:

- Base
 - Use the new Dual Units of Measure screen to set up secondary units of measure for an item.
 - The rounding method you define in the Units of Measure screen now applies to several key quantity fields on the Sales Order Line panel.
- Inventory
 - Manage items with a secondary UM with the Inventory Dual Unit of Measure browse and report.

- There are new validations for dual unit of measure items in:
 - Item Packaging Assignments
 - Serials > Receive Unplanned Pack action
 - Production Operations Reporting > Report Operation Activity action
 - Production Operations Reporting > Receive Orders action
- Purchasing
 - There are new validations for dual unit of measure items in:
 - PO Shippers > Unload action
- Sales
 - A new Secondary UM subpanel now appears in Sales Orders when the entered item is defined in Dual Units of Measure.
 - The rounding method that is set in Unit of Measure is now applied to the following fields in Sales Orders:
 - Quantity Ordered
 - Secondary UM Qty Ordered
 - Qty Selected (Configured Item)
 - Quantity Ordered (Shipping panel)
 - Quantity Allocated (Shipping panel)
 - Freight Ship Weight
 - Quantity Allocated (Detail Allocations)
- Outbound Logistics
 - When processing items are defined with dual units of measure, the following reports now display the quantity for both the primary and secondary units of measure:
 - Picklist/Pre-Shipper Automatic
 - Pre-Shipper/Shipper Print
 - Sales Order Print
 - Invoice Print or Reprint
 - Preview Invoice Print
 - When processing items are defined with dual units of measure, the following actions now process secondary units of measure:
 - Pre-Shippers > Actions > Pick & Pack / Shippers > Actions > Pick & Pack
 - Shippers > Actions > Confirm / Pre-Shippers > Actions > Confirm
 - Shippers > Actions > Unconfirm / Pre-Shippers > Actions > Unconfirm action
 - Shippers > Picked Lines > Unpick action / Pre-Shippers > Picked Lines > Unpick action

Catch Weight functionality operates based on the following key assumptions to optimize inventory accuracy and transactional integrity:

- Inventory Tracking: Finished goods are managed and tracked in inventory solely by weight (Primary UOM: Kg, Lb).
- Serialized Units: Although inventory is managed by weight, serialization is used specifically to receive and track goods by their packaging unit.

- Packaging Integrity: It is assumed that each packaging unit contains only a single item and belongs to a single lot.
- Planning Standard: All forecasting and Material Requirements Planning (MRP) are conducted exclusively using the Primary UOM (weight).
- Sales Order Entry: Sales orders are entered by the user in the Secondary UOM (the logistics packaging unit). The system continues to store the quantity in both the Primary UOM (weight) and the Secondary UOM (units) to accurately record quantity ordered, shipped, picked, and invoiced.

The initial release of Catch Weight functionality includes the following limitations.

- Catch Weight items cannot be configured items.
- EDI requirements for Catch Weight are deferred until the next release. This functionality will be developed within the Integration Platform scope (not the legacy eCommerce solution).
- Sales Quotes and Customer Schedules are not supported in this first release.
- Alternative sales order types, such as Maintenance Agreements (MA) and Return Material Authorizations (RMA) for Field Service Management (FSM), are not in scope.
- Only single-level packs are currently supported.

2.5.4. Outbound Logistics

New features and enhancements in Outbound Logistics include:

- Outbound Logistics features migrated from QAD EE 2022 are listed in [UX Enhancements](#).
- Shipper Validation Rules
 - Shippers/Pre-Shippers > Actions > Validate
 - The Validate dialog in Pre-Shippers and in Shippers now displays all user-defined fields created in Shipper Validation Rules. You can now view and update these fields directly in the dialog, improving usability and reducing navigation.
 - Material Orders > Actions > Ship Allocated
 - When an invalid value is entered, the Validate pop-up prompts you to correct the validation field. When the validation is successful, a confirmation message is displayed, and the system opens the Shipper Confirm screen to finalize the order.
 - Import/Export in Shipper Validation Rules
 - Excel Import and Export is now supported in Shipper Validation Rules.
 - Internal Procedure rules for Pre-Shippers & Shippers
 - You can now set up Internal Procedure rules for Pre-Shipper and Shipper Validation.
 - Pre-Shipper/Shipper Print
 - You can now decide whether to allow Pre-Shipper/Shipper Print reports to print with errors by setting the Allow Printing with Errors field in Logistics Control.

- The Shipper Validation feature is active when your number sequence is defined externally in Number Ranges and the option is enabled in Logistics Control. You can now manually enter shipper or pre-shipper numbers in the following actions:
 - Sales Orders > Actions > Ship Allocated
 - Pre-Shippers > Actions > Confirm
 - Material Orders > Actions > Ship Allocated
 - RMAs > Actions > Ship Allocated
 - Sales Orders > Actions > Pick Allocated
- You can now use the dock code to break pre-shippers on the Picklist & Pre-Shipper - Automatic screen, allowing for better categorization.
- When you delete a shipper or pre-shipper, a confirmation message now lets you choose whether to reallocate the picked quantity or keep the quantity allocated to that sales order line.
- The Shipping History Serial browse drill-down link is now implemented in the Shipping History browse. This drill down enables you to see the shippers that are linked with serial numbers.

2.5.5. TAM

New features and enhancements in TAM include:

- TAM Control > Negative Accruals
 - You can now control the generation of negative accruals. A new Accruals panel has been added to TAM Control with a checkbox named Allow Negative Accruals.

2.6. Manufacturing

2.6.1. Logistics

New features and enhancements in Logistics include:

- Non-Sales Shippers
 - In some business environments, formal shipping documents must accompany any movement of goods, even when goods are merely transferred and not sold. Whenever goods are transferred between distinct sites or physical locations, Global Shipping assesses the need for a shipping document. If a shipper is required and the essential shipping and inventory groups are configured, an additional panel named Shipping Documents is displayed, allowing the creation of a shipping document. This panel appears if the system identifies a configured shipping group for the entered site/location combination. The Non-Sales Shippers functionality includes the following enhancements, which allow you to create non-sales shippers in the following actions:
 - Distribution Orders > Actions > Receive Order
 - Inventory Detail > Actions > Issue Unplanned
 - Serials > Actions > Issue Unplanned Pack
 - Serials > Actions > Bulk Transfer Pack

2.6.2. Distribution

New features and enhancements in Distribution include:

- Distribution Orders
 - The entire Distribution Orders module is now included in Adaptive. Features migrated from QAD EE 2022 are listed in [UX Enhancements](#).

2.6.3. Planning

- All Planning functionality is now available in Adaptive. Features migrated from QAD EE 2022 are listed in [UX Enhancements](#).

2.6.4. Engineering

- The entire Product Change Control module is now included in Adaptive. Features migrated from QAD EE 2022 are listed in [UX Enhancements](#).

2.6.5. Inventory

New features and enhancements in the Inventory module include:

- All Inventory functionality is now included in Adaptive. Features migrated from QAD EE 2022 are listed in [UX Enhancements](#).
- Lot Trace Workbench
 - You can now execute large lot traces in Lot Trace Workbench and generate results with background processing. This allows you to continue working in the system while the trace operation completes, improving efficiency and reducing wait times.
- Inventory Detail > Actions > Print Labels
 - The Print Labels action in the Inventory Detail browse allows you to print labels for items that are not serial controlled.
- Serials > Actions > Print Labels
 - The Print Labels action in the Serials browse allows you to print labels for serials.
- Intrastat Functionality
 - Intrastat functionality is implemented in the following actions to fully support the smooth and compliant transfer of goods within the European Union. The update includes specialized features to help you accurately track and report your cross-border movements.
 - Inventory Detail > Actions > Transfer
 - Inventory Detail > Actions > Bulk Transfer

2.6.6. Warehousing

Warehousing is now available as a core functionality in Adaptive.

Warehousing streamlines the storage and retrieval of inventory, adding a warehouse layer on top of the ERP Locations. It provides material flow, demand-based task generation, and handheld transactions.

Setup screens in the Warehousing module include:

- Warehouses
 - The Warehouses screen enables you to create and manage new Warehouses and assign them to sites.
- Warehouse Areas
 - The Warehouse Areas screen allows you to create and manage warehouse areas, which represent a physical space in the warehouse where specific actions are performed, such as storing in the storage area or producing items in the production area.
- Storage Zones
 - The Storage Zones screen allows you to create and manage storage zones within warehouse areas. Storage zones enable the creation of specific requirements and rules within which the movement of inventory is managed.
- Storage Zone Lists
 - The Storage Zone Lists screen allows you to create and manage a sequenced list of storage zones for the putaway process.
- Work Zones
 - The Work Zones screen allows you to create and manage a set of locations that specific users and equipment, such as RF scanners, can be assigned to.
- Warehouse Locations
 - The Warehouse Locations screen allows you to create and manage locations within a particular site where inventory is stored. Warehouse locations can be an aisle, rack, or shelf, bin, and so on.
 - The Individual Refresh Current Capacity action allows you to select a specific warehouse location and recalculate the capacity information.
 - The Bulk Refresh Current Capacity action allows you to recalculate the capacity information for all locations in a warehouse. Warehouse User Groups
- Warehouse User Groups
 - The Warehouse User Groups screen allows you to create and manage user groups and assign users and work zones to a group.

- Replenishment Lists
 - The Replenishment Lists screen allows you to create and manage a sequential list of storage zones that is used during the replenishment process to determine where to pick goods from.
- Replenishment Locations
 - The Replenishment Locations screen allows you to create and manage locations used for replenishment, linking replenishment lists with items, storage zones, and warehouse locations. You can define specific settings, including start and end dates, replenishment points, and maximum quantities that can be replenished.
- Warehouse User Assignments
 - The Warehouse User Assignments screen displays all of the users assigned to a Warehouse User Group. You can also create and manage user groups and assign users and work zones to a group.
- Warehouse User Work Zone Assignments
 - The Warehouse User Work Zone Assignments screen displays all of the work zones assigned to a Warehouse User Group. You can also create and manage user groups and assign users and work zones to a group.
- Warehouse Items
 - The Warehouse Items screen allows you to define and manage additional item details required to define material storage and handling activities in a warehouse.
- Warehouse Item Pack Code Exceptions
 - The Warehouse Item Pack Code Exceptions screen allows you to create and manage specific capacity parameters for items with a certain pack code, overriding the general settings defined in Warehouse Items.
- Warehouse Task Types
 - The Warehouse Task Types screen allows you to create and manage task types, which define the action taking place during the task. Examples of supported task types include Picking, Putaway, Replenishment, and Transfer. Warehouse Alternate Task Types
- Warehouse Alternate Task Types
 - The Warehouse Alternate Task Types screen allows you to create and manage alternate task types, and to specify special circumstances in which the alternate task type should be used instead of the standard task type.
Note: Alternate task types are not supported in this release, these are for future use.

- Warehouse Task Type Assignments
 - The Warehouse Task Type Assignments screen allows you to create and manage assignments to specific resources that perform actions of this type. You can create a prioritized list of task types and group them into queues.
Note: Warehouse Task Type Assignments are not supported in this release, these are for future use.
- Warehouse Transaction Types
 - The Warehouse Transaction Types screen displays the out of the box inventory transaction types needed for picking, putaway, and replenishment transactions. You can also create and manage new transaction types to handle custom warehouse flows.
- Material Routings
 - The Material Routings screen allows you to create and manage material routings, which define how goods flow through a warehouse. Certain regions of a warehouse may have their own unique characteristics, and material routings assist in automatically guiding you to perform the correct action as goods are moved.
- Material Routing Assignments
 - The Material Routing Assignments screen allows you to create and manage assignments to assign a material routing to a specific warehouse and transaction type. You can also specify the combination of a transaction type with an item, warehouse item type, or an address for a supplier or customer, so that the material routing is used when that particular combination occurs.
- Warehouse Algorithms
 - The Warehouse Algorithms screen displays all of the standard Algorithms for each type of warehousing transaction. Algorithms are used for either putting away inventory in locations or finding locations to take inventory out of. Depending on its engine they consist of different rules corresponding to the functionality. Generally, you will only need to use the algorithms that are supplied in the system, but you can create your own custom algorithms using platform extensions and Service Based Inheritance.
- Warehouse Algorithm Assignments
 - The Warehouse Algorithm Assignments screen allows you to create and manage prioritized lists of warehousing algorithms that are assigned to specific transaction types in order to satisfy certain process needs.

Warehouse Activity functions in the Warehousing module include:

- Warehouse Jobs
 - The Warehouse Jobs screen allows you to view and manage jobs, including updating priorities, assigning users, creating waves, and adding reason codes and remarks. A Warehouse Job is for one transaction type, and can have multiple job lines. Job lines can have one or many tasks linked to them.
 - Warehouse Jobs > Actions > Bulk Edit
 - The Bulk Edit action in Warehouse Jobs allows you to update multiple Jobs at one time.
- Warehouse Tasks
 - The Warehouse Tasks screen allows you to view and manage tasks, which contain the specific inventory being moved. You can update priorities, assign users, create waves, and add reason codes and remarks.
 - The Bulk Edit action in Warehouse Tasks allows you to update multiple tasks at one time.
 - The Confirm Tasks action in Warehouse Tasks allows you to confirm multiple tasks at one time, transferring and picking the inventory on the task. In most cases, the confirm process will be done using the DC transactions by users in the warehouse, but this action is available for back office users to complete the tasks if required.
- Warehouse Pre-Shippers/Shippers
 - The Warehouse Pre-Shippers/Shippers screen displays Pre-Shippers and Shippers that do not have Warehouse Jobs linked to them. This screen can be used to determine which Pre-Shippers and Shippers still need to be picked.
 - The Picking Requests bulk action in Warehouse Pre-Shippers/Shippers allows you to create warehouse jobs and tasks for picking loose and serialized inventory and moving it to designated shipping locations.
- Warehouse Production Picklists
 - The Warehouse Production Picklists screen displays the Production Picklist components that do not have Warehouse Jobs linked to them. This screen can be used to determine which Production Picklists still need to be picked.
 - The Picking Requests bulk action in Warehouse Production Picklists allows you to create warehouse jobs and tasks for picking both loose and serialized inventory and moving it to designated production locations.
- Warehouse Job History
 - The Warehouse Job History screen displays all of the changes made to warehouse jobs and job lines, including when jobs are created, updated, and completed. The job history can be used in reporting and KPIs.

- Warehouse Task History
 - The Warehouse Task History screen displays all of the changes made to warehouse tasks, including when tasks are created, updated, and completed. The task history can be used in reporting and KPIs.
- Warehouse Task Delete & Archive
 - The Warehouse Task Delete & Archive report can be used to delete or archive unneeded warehouse task records from the system.

Warehouse Inventory functions in the Warehousing module include:

- Replenishment Locations
 - The Replenishment Locations screen contains 3 actions you can use to create Replenishment requests.
 - The Individual Manual Replenishment Request action allows you to select a specific replenishment location/item to create replenishment jobs and tasks, manually setting the replenishment quantity.
 - The Bulk Manual Replenishment Request action allows you to create replenishment jobs and tasks for multiple replenishment locations/items at the same time, manually setting the replenishment quantity for each location/item.
 - The Bulk Replenishment Requests action allows you to create replenishment jobs and tasks for multiple replenishment locations/items at the same time, using the Replenishment Point percentage to calculate the quantities needed.
- Warehouse Location Capacity
 - The Warehouse Location Capacity screen allows you to view capacity utilization for warehouse locations. You can also create and manage Warehouse Locations in this screen.
- Warehouse Location Items
 - The Warehouse Location Items screen allows you to view the item assignments for a warehouse location. You can also create and manage Warehouse Locations in this screen.
- Warehouse Inventory Detail
 - The Warehouse Inventory Detail screen allows you to view inventory detail for inventory housed in a warehouse. It is similar to the Inventory Detail browse, but also includes warehousing information including warehouse, area, storage zone, and warehouse location.
 - The Putaway Requests bulk action allows you to generate warehouse jobs and tasks for the putaway of loose and serialized inventory to designated

warehouse locations. You can specify exact locations or allow the system to determine them based on your warehousing setups.

- Putaway Simulation Report
 - The Putaway Simulation report allows you to view what the putaway location will be for the selected inventory, based on the engine and algorithms you have defined. This can be used to troubleshoot why the engine may not be able to find an acceptable putaway location, so you can correct your setups before running the request again.
- Warehouse Inventory Transactions
 - The Warehouse Inventory Transactions browse allows you to view inventory transactions created as a result of the putaway, picking, and replenishment activities. It is similar to the Inventory Transactions browse, but also includes warehousing information including warehouse, area, storage zone, work zone, and warehouse location.
- Warehouse Serial History
 - The Warehouse Serial History browse allows you to view the serial history created from warehouse activities for serialized inventory. It is similar to the Serial History browse, but also includes warehousing information including warehouse, area, storage zone, and warehouse location.
- Warehouse Serials
 - The Warehouse Serials browse allows you to view the serials in your warehouse. It is similar to the Serials browse, but also includes warehousing information including warehouse, area, storage zone, and warehouse location.
- Warehouse Serialized Inventory
 - The Warehouse Serialized Inventory browse allows you to have a comprehensive view of inventory in your warehouse, including loose inventory and serialized inventory. It is similar to the Serialized Inventory browse, but also includes warehousing information including warehouse, area, storage zone, and warehouse location.

DC Warehousing transactions in the Warehousing module include:

- Select Next Job/Task
- On the Fly Transfer
- Putaway
- Picking
- Replenishment
- Cluster Picking
- Batch Picking

Action Centers in the Warehousing module include:

- Warehousing Current Status Overview
- Warehousing Inventory Activities Performance
- Warehousing Lead & Cycle Time - Jobs
- Warehousing Lead & Cycle Time - Tasks
- Warehousing Pending Inventory Activities
- Warehousing Pending Warehouse Activities
- Warehousing Whse Activities Performance

2.6.7. Kanban

All Kanban functionality is now included in Adaptive. Features migrated from QAD EE 2022 are listed in [UX Enhancements](#).

2.6.8. Push Production

New features and enhancements in Push Production module include:

- All Push Production functionality is now included in Adaptive. Features migrated from QAD EE 2022 are listed in [UX Enhancements](#).
- WIP Lot Trace
 - WIP Lot Trace functionality is now supported in Adaptive. When WIP Lot Trace is enabled, you gain complete visibility and control over components and assemblies throughout your production process.
 - The WIP Lot Control screen allows you to enable WIP Lot Trace and define settings including routing exceptions and product structure exceptions.
 - Additional panels and functionality to support WIP Lot Trace have been added to following screens:
 - Production Operations Reporting > Actions > Report Operation Activity
 - Production Operations Reporting > Actions > Rejects & Scrap
 - Production Operation Reporting > Actions > Report Operation Move
 - Production Operations Reporting > Actions > Report WIP Adjustments
 - Production Operations Reporting > Actions > Report Rework

 - Production Activity Transactions
 - Subcontract Shippers
 - Subcontract Shippers > Actions > Confirm
 - Subcontract Shippers > Actions > Scrap
 - The WIP Lot Inventory Status browse allows you to view the inventory status of available Work-In-Progress (WIP) Lots created when the WIP Lot Trace is active.

- Batch Balancing
 - You can use Batch Balancing to accurately adjust formulas for process manufacturing while ensuring quality and compliance. You can adjust component quantities in a formula to meet a target batch size, yield, or capacity constraint, maintaining product consistency and complying with regulations or quality standards. This can be done directly in the Production Order BOMs screen, using the standard export/import functionality.

2.7. Automation Solutions

In Automation Solutions, the following functionality is added:

- Label Print Status
 - The Label Print Status screen is migrated to Adaptive. Label Print Status provides real-time visibility into all label print and reprint requests processed through the system. In addition, new actions enable you to reprint labels and generate ad hoc labels.
 - Label Print Status > Actions > Ad Hoc Generation
 - The Label Reprint / Ad Hoc Label Generation screen is added as an action to Label Print Status. This action allows you to reprint or create new labels using details from existing label requests.
 - Label Print Status > Actions > Copy Existing Label
 - The Copy Existing Label screen is added as an action to Label Print Status. This action allows you to quickly create a new label print request using the details of an existing label.

Note: Additional standard features migrated from QAD EE 2022 are listed in [UX Enhancements](#).

2.8. Purchasing

New features and enhancements in Purchasing include:

- Inbound Logistics Accounting
 - Inbound Logistics Accounting lets you define and track individual costs associated with transporting goods from suppliers to company locations. These individual costs, payable to third-party providers for transportation services, are referred to as logistics charges.
 - The logistics charge accruals for an order are based on the logistics charges defined in the Terms of Trade. The Terms of Trade specify the logistics charges applicable to a given purchase.
 - When items are purchased, logistics charges can be accrued as part of the purchasing process. The GL (General Ledger) accruals for inbound logistics charges are triggered by purchase receipts.

- For each receipt, a pending invoice is automatically created for every logistics charge accrual.
- Inbound Logistics Accounting is now fully supported across the Purchase Orders, Blanket Orders, Supplier Scheduled Orders, Receive and Return Order actions, PO Shippers, and the PO Shipper confirm action.
- Work-in-Process (WIP) Lot Trace
 - Work-in-Process (WIP) Lot Trace functionality is now supported for subcontract operations.
 - When WIP Lot Trace is enabled, you gain full visibility and tracking of WIP material lots and serials sent to multiple subcontractors.
 - This feature also supports detailed tracking of any specific WIP material lot or serial. Additional information panels are integrated across several functions to support this functionality.
 - The WIP Lot Trace is now fully supported across the Receive and Return Order actions, PO Shippers, and the PO Shipper confirm action.
- Supplier Consignment Usage Undo
 - A Supplier Consignment Usage Undo in a supplier consignment process is a corrective action that reverses a previously posted consignment usage, effectively transferring ownership back from the buyer to the supplier. This action corrects errors such as incorrect consumption posting, material return, incorrect material, or incorrect quantity. This action restores consignment stock levels to reflect actual inventory ownership accurately.
 - The action:
 - Restores the consignment stock balance, increasing the quantity owned by the supplier.
 - Removes or corrects the buyer's inventory ownership record.
 - May trigger accounting adjustments to reverse any financial postings (example goods issue CN-ISS inventory transaction or liability recognition RCT-PO inventory transaction).
 - Subcontract Consignment Usage Undo is available from Supplier Consignment Usages > Actions > Undo.
- Subcontract Shippers Receipt / Returns
 - This release introduces Subcontract Shippers in QAD Adaptive. It is used to track materials or items sent to a subcontractor for processing, assembly, or any external operation — and later received back after work is done.
 - The enhancement includes subcontracting operations within Purchase Orders, Supplier Scheduled Orders, and PO Shippers workflows.
 - You can manage subcontract shippers in the following transaction stages:
 - Purchase Order/Supplier Scheduled Orders > Actions > Receive/Return

- PO Shippers > Actions > Unload
 - Purchase Orders > Actions > Return By Pack
- Scrap functionality is supported by Subcontract Shippers. It allows you to record and track materials or quantities that are rejected, damaged, or unusable during a manufacturing or receiving process.
- In PO Shippers quantities can be scrapped using multiple reason codes in a single transaction.
- Requisition Reroute
 - The requisition reroute process is enhanced by increasing the number of the supported scenarios.
 - The system triggers the requisition reroute process when you attempt to modify an authorized requisition in certain fields.
 - New sets of fields are added to Purchasing Requisition Control that enable or disable reroute when modifications are made to certain fields on an authorized requisition.
 - The reroute can be enabled on the requisition header level, the requisition line level, or both levels simultaneously.
 - Settings also vary depending on the requisition type, which can be a direct/indirect GRS requisition or an indirect EAM requisition.
- Background Processing Framework for Procurement Actions
 - The Background Processing framework allows you to submit transactions such as, receiving orders, or returning goods for asynchronous background execution. You can continue working while the system processes the data in the background.
 - You can track the submission progress, review completion results, and view all information, warning, or error messages in the Background Processing Details form.
 - Process in Background can be enabled on the Processing Options Panel in the following actions:
 - Purchase Orders or Supplier Scheduled Order > Actions > Receive Order
 - Purchase Orders or Supplier Scheduled Order > Actions > Return Order
- EMT PO Shipper – Support for KIT / Non-KIT Serialization and Domain Processing
 - EMT (Enterprise Material Transfer) KIT Structure Serialization flow is now supported.
 - EMT serialization flow enables usage of same serials in PBU Domain sent by SBU. Serials and Serial History & Order Information are now correctly reflected in the system.
- PO Shipper – KIT Parent-Component Auto-Generation and Processing
 - This enhancement supports KIT structure handling and processing for EMT purchase orders. When an EMT KIT Parent Line is added as a content line in Pack Structures or Loose Lines, the system automatically creates and links all component items based on the defined KIT configuration. This ensures proper level hierarchy and serialization.

- The enhancement also supports manually adding new component items not defined in the configured KIT structure and allows the inclusion of non-KIT EMT PO Lines in the same shipper.
- In the PO Shipper Confirm and Unload actions, both KIT and Non-KIT Advanced PO Shipper Lines are processed accurately for DIR-SHIP and TRANSHIP flows.
- Support for Four-Level Packaging Structure
 - Purchasing is enhanced to handle four hierarchical packaging levels in the Unload and Matching workflows for Purchase Orders, Supplier Scheduled Orders, and PO Shippers.
 - This support is available in the following functions:
 - Unload Action in Purchase Orders, Supplier Scheduled Orders, and PO Shippers
 - Create Pack Action in Purchase Orders, Supplier Scheduled Orders, and PO Shippers
 - Return Order Action – Return by Pack
 - Purchase Order Discrepancies Report
 - You can now generate a PO Discrepancies Report for PO Shipper Unloaded Inventory that has four levels of shipper data.
- Purchase Order Approval Routing Enhancements
 - Product Line and Category fields are now supported as approval routing parameters. They can be selected in the Approval Routing configuration to define conditional routing and approvers for Purchase Orders.
 - Purchase Order (PO) lines now include Product Line and Category fields. These fields are part of the approval routing flow, so POs can be routed to the right approvers based on product line and category.
- Operational GL Allocation Codes in Purchasing
 - Several purchasing functions now use Operational GL Allocation Codes. These codes enable organizations to distribute financial postings automatically across multiple GL accounts, subaccounts, cost centers, or projects as defined in the Operational GL Allocation Code setup. Operational GL Allocation Codes are available on the Accounting panel on these screens:
 - Purchase Orders
 - Blanket Orders
 - Supplier Scheduled Orders
 - Requisitions
- PO Booking History
 - The Purchase Order Booking History feature allows you to determine whether Purchase Order Booking History transactions (ORD-PO) should be recorded in the transaction history table.

- You can now enable or disable the recording of these transactions using the Keep Booking History field on the Main panel in Purchasing control.
- Exchange Rate in PO Shippers and PO Fiscal Receiving
 - PO Shippers and PO Fiscal Receiving is enhanced so the exchange rates. This enhancement allows to support a wider number of scenarios, and ensures that the required exchange rate is used when processing with confirm action.
- Kanban Receipts
 - Kanban card transactions are now generated during PO Shipper and PO Fiscal Receiving confirmations for Kanban Suppliers when a Kanban Supplier Loop with active Kanban cards exists.
- Print Attachment with Purchasing Documents
 - This enhancement allows you to print purchasing documents together with supporting files.
 - A new field, Include Attachments, has been added to the following reports:
 - Purchase Order Print (QRF Report)
 - Blanket Order Print (QRF Report)
 - Requisition Document Print (QRF Report)
 - Supplier Scheduled Order Print (QRF Report)
 - You can use this field to include attachments related to the corresponding purchasing document in the report output.
 - A new control Include Reports has been introduced. While attaching a file, ensure the Include Reports field is enabled in order to print the attachments in the report. This field is available in following documents and actions:
 - Requisition and Requisition Lines
 - Blanket Order and Blanket Order Lines
 - Purchase Order and Purchase Order Lines
 - Release to Purchase Order and Release to Blanket Order (bulk actions)
- PO Shipper – Item Attributes
 - You can now enter and track item-level attributes for lines related to Inventory or Subcontract Purchase Orders directly within PO Shippers.
 - You can now access an Attributes form to record attribute details for content lines and view the attribute-completion status in both the Pack Structure and Loose Lines grids.
 - This enhancement ensures accurate processing of attributes when the Confirm Shipper field is enabled in the Unload or Confirm actions of PO Shippers.

- GRS Requisition Setup
 - GRS Requisition Setup functionality has been enhanced with additional configuration panels that extend approval and buyer capabilities. The following panels are added to GRS Requisition Setup:
 - Product Line Approvers - Defines approvers based on site and product line. Enables authorization of inventory purchases related to direct materials.
 - Horizontal Approvers - Manages approvers based on categories (GL account groupings). Supports horizontal approval routing across departments.
 - Job Approvers - Defines approvers for requisitions linked to jobs or temporary projects. Enables project-specific purchase control.
 - Vertical Approvers - Supports approval hierarchies by entity, sub-account, or cost center, mirroring vertical organizational approval flows.
 - Buyers - Defines buyers responsible for converting fully approved requisitions into purchase orders.
 - Jobs - Defines job codes used to link requisitions to short-term projects or task-specific activities.

- Receive In Transit
 - The Receive In Transit option introduces enhanced control for processing in-transit receipts on purchase order shippers and PO fiscal receiving, enabling the system to recognize liability and logistics charge accruals before physical goods are received at their final destination.
 - By selecting the Receive In Transit checkbox, you can record item receipts and associated logistics costs into a transit location. This allows financial recognition of goods in transit and enables suppliers to be paid while shipments are still en route.

Note: The Receive In-Transit flow is supported in both PO Shippers and PO Fiscal Receiving, regardless of whether Logistics Accounting is enabled or disabled, provided the site has an In-Transit location configured.

- Supplier Scheduled Orders
 - Supplier Scheduled Orders > Action > Adjust or Reset (A/R)
 - A new Adjust or Reset (A/R) bulk action allows you to modify the cumulative received quantity for individual supplier schedule lines or reset the cumulative values for an entire scheduled order.
 - Supplier Scheduled Orders > Action > Reset
 - A new Reset action allows you to reset cumulative totals for supplier scheduled orders.
 - This enables purchasing and scheduling users to clear cumulative received and shipped quantities for one or more scheduled orders and define a new

cumulative start date. The feature also generates a detailed report listing all affected orders for review and audit purposes.

- PO Shippers Lines
 - A new PO Shipper Lines browse allows you to manage shipper lines for exporting, importing, updating, and deleting records.
 - It also displays packaging lines of type Serial. If any item serials are linked to the item, their details are visible in the PO Shipper Lines browse when opened.

Note: Additional standard features migrated from QAD EE 2022 are listed in [UX Enhancements](#).

2.9. Costing

2.9.1. Crew Size Vertical Enhancement

For standard costing, you can now include the Run Crew and Setup Crew fields defined in Routings & Processes in the labor and burden cost calculations when doing a Routing Cost Roll-up or Simulation Routing Cost Roll-up. With this enhancement, the system adjusts labor and burden calculations to reflect the number of operators for an operation, resulting in more precise and realistic cost data. This enhancement also removes the need for intrusive customizations or workarounds.

The Crew Size Vertical Enhancement introduces the following changes:

- Costing Control
 - The Periodic Costing Control screen has been renamed to Costing Control. The Routing Cost Roll-Up panel has been added to the Costing Control. This panel introduces two new fields — Include Run Crew and Include Setup Crew. When these options are selected, the system cost calculations will include the Run Crew and Setup Crew values defined in Routings & Processes. The following functions now include crew size in costing calculations when the Costing Control options are enabled:
 - Routing Cost Roll-Up
 - Simulation Routing Cost Roll-Up
 - Production Operations Reporting > Report Operation Activity
 - Production Operations Reporting > Receive Order
 - Production Orders Reporting > Receive Order
 - Production Order Close
 - Production Order Accounting Close

Notes:

- This enhancement is only available in Adaptive. If the new control file fields are enabled, cost roll-ups must be done in Adaptive.
- There are no changes to SI APIs/AS transactions.
 - In Adaptive, you can report production as usual (using actual labor or autolabor).

- In Production Execution, you can report production as usual (using actual labor or autolabor).
- In AS/Eagle, you can only report production using actual labor. Using autolabor/backflush results in cost variances.

2.9.2. Periodic Costing

The Periodic Costing module is enhanced with several additional functions from QAD EE 2022 as listed in [UX Enhancements](#).

Note: Periodic Costing is not yet fully supported in Adaptive.

2.10. Enterprise Asset Management (EAM)

Enterprise Asset Management (EAM) is designed to effectively manage your organization's physical assets. There are significantly enhanced screens and capabilities within EAM, specifically in the areas of configuration, asset and equipment management, inventory and tooling, and financial/cost management. For a comprehensive list of the updated screens, please refer to the [UX Enhancements](#) section.

2.11. Financials

- COA Cross References
 - On the Main panel, the new Export field allows you to mark the COA cross reference for export. On the Validation panel, four new fields enable you to do a size validation on each export field:
 - Min. Size Export GL Account
 - Min. Size Export Sub-Account
 - Min. Size Export Cost Center
 - Min. Size Export Project
- Trial Balance Export
 - The new Transient Transactions column in the browse indicates whether the layer code used is a transient layer. It also indicates if there are transactions in the transient layer for the year and GL period range specified.
- Entities
 - The new Trial Balance Exports panel allows you to specify the cross-reference to use for exporting the trial balance data in the selected entity. This panel also displays all transactions by layer and layer type that are generated from the Trial Balance Export screen.
- Draft Customer Invoices
 - Use the new Draft Customer Invoices screen to create and maintain draft customer invoices. The Draft Customer Invoices browse displays a list of all draft customer invoices.

- Use the Invoice Post action in Draft Customer Invoices to post draft customer invoices.
- In Financials Control, the new Draft Customer Invoices panel enables you to set a number range sequence for use in Draft Customer Invoices.
- Customer Invoice Number Ranges
 - In Number Ranges, you can now optionally allow manual customer invoices to be assigned an invoice number from an NRM sequence rather than from the component builder. This option is useful in countries that require a particular invoice numbering construction.
- Customer Invoice Finance Charges
 - In Customer Invoices, use the new bulk Finance Charge action to create charges applied to open item amounts that are overdue for a customer.
- Receiver Matchings Logistic Charges
 - The new Search For Logistic Charges panel in Receiver Matchings allows you to match accrued logistic charges against supplier invoices. You can retrieve and match pending invoices for both inbound and outbound logistics charges.
- Financial User-Defined Fields
 - The new Financial User-Defined fields function enables you to add or remove legacy user-defined fields in certain Financials browses.
- Journal Entry Archiving
 - Journal Entry Archiving now saves journal archive files directly into database tables. This enables you to more easily archive a large volume of data. In addition, you can now archive periods that are locked and reported but not frozen.
Note: This functionality runs only in the .Net version.
- Fixed Assets
 - The Periodic Expense Reversal depreciation deviation account enables you to track the reversal of regulated provision between the primary and secondary fixed asset books. This account is only relevant when you select Use Periodic Expenses and Reversal Accounts in Fixed Assets Control. When you select this field, the reversal account becomes mandatory and is displayed in Fixed Asset Classes and Fixed Asset Book Details.
 - The Fixed Assets Depreciation Comparison report provides the comparison of Period Depreciation per Year/Period for the primary asset book and the comparison asset book, as long as both books have the same book currency. The report displays positive and negative differences.

2.12. EDI eCommerce

EDI eCommerce is now available in Adaptive, enabling you to effectively manage Electronic Data Interchange (EDI) communications with trading partners. This system acts as an interface between your core systems and third-party EDI communication or translator products. The features of EDI ensure compatibility across various inbound and outbound EDI documents. To see a list of the uplifted screens, please refer to the [UX Enhancements](#) section.

2.13. QAD Enterprise Platform

QAD Enterprise Platform new features in this release include enhancements to several areas.

2.13.1. Publishing Mechanisms

- New features enable platform integration and streamlined publishing of business object data to third-party event streaming platforms. You can now set up publishing to occur automatically when any of the configured business events take place within the system, or you can choose to publish the data manually.
- The following publishing mechanisms are now available for this purpose:
 - Business Events Configuration
The Business Events screen allows you to view, edit, and configure the existing business events. You can also create copies of system-supplied business events to tailor them to specific use cases.
 - Force Publishing
With the Force Publishing mechanism, you can manually select specific system records and trigger instant publishing, providing greater control over when data is pushed to third-party platforms.
 - Republishing
The Republish Business Event screen allows you to select any of the previously published business events and republish them as needed, ensuring that data is up-to-date and accurately reflected in external systems.

2.13.2. Report Printing

In the Schedule Report and Report Burst Settings dialogs, the Printer field now contains a lookup icon instead of a dropdown list when Vasion cloud printing is enabled in the environment. Clicking the lookup icon opens the Printers dialog, where you can select a printer for report printing.

Note: Enable Vasion cloud printing by setting the YAB-controllable property `qad-qracore.printing.vasionEnabled=true`. When this property is not enabled, the legacy dropdown printer list is displayed and legacy VPN-based printing is used.

In the Printers view, you can now designate a printer specifically for report printing by selecting the Report Printer checkbox. Only printers marked as report printers appear in the Printer lookup in the Schedule Report and Report Burst Settings dialogs.

2.13.3. OpenEdge 12 Requirements

Platform apps must be compatible with OpenEdge 12. If you have platform apps developed in OpenEdge 11 and you are migrating to OpenEdge 12, you need to make these apps compatible with OpenEdge 12. Please refer to the QAD Enterprise Platform Developer Guide for details on how to ensure compatibility with OpenEdge 12.

2.13.4. Java Extension Framework

A new Java Extension Framework replaces the OOABL Extension Framework. It allows you to extend the standard QAD business logic by applying extension code in Java. Hooks are available in the Business Layer that can run Java extensions developed by the user.

You can do development on either a Windows, Linux, or macOS “development machine”. To develop, you need to set up a development environment so the Java extension code you write can be compiled and deployed to a QAD Adaptive installation. All Java extensions for the selected business component are automatically listed on a new Java Extensions panel under Business Components.

The QAD Enterprise Platform Developer Guide describes how to set up, develop, and deploy these Java extensions. It also provides guidelines and patterns for developing Java extensions.

Extension developers can use the Javadoc (API documentation) for exposed Java Extension Framework proxies to understand the available business component methods, their purpose, and the meaning of their parameters. This helps accelerate the development process. Several useful resources are available that describe the exposed API documentation such as OpenSite documentation, Platform API application, and the Visual Studio Code Maven plugin.

Important: Progress OOABL code is not the preferred mechanism for extension code. If possible, please rewrite your code using the Java Extension Framework.

2.13.5. Support for Platform Actions and Business Services

You can start defining a business service using Platform. A platform business service is a method definition with a REST API and the ability to write Java extensions for it.

Extension developers can create their own platform action business components and platform business services, and then develop Java low-code customizations for them. Also, developers can create and configure their own platform individual actions for the views. It is possible to create individual actions for custom views as well as standard views such as Customers or Purchase Orders. Platform individual actions are run in background processing.

2.13.6. Business Component Browse Enhancements

With this release, the BC browse configuration is separated from the view and moved to its own panel on the Business Components screen. Previously, the browse was embedded into the view setup. By taking out the browse and bringing it into its own grid, you can now create a browse independently of the view within the system. This approach means that you can use the browse particularly for lookups or the extension code in the Java Extension Framework. This feature brings a lot more flexibility in the use of browse data. You can also apply security to the browse independently.

Further, this feature enables browse extensions. Now, you can add extension fields to the standard browse, and then you can enable those extensions by scope, by system, or by domain so that they exist in different domains.

There is also support for creating and managing your own event handlers for a BC browse. You can use event handlers to change or extend the UI of a BC browse. This functionality follows the same pattern used for the business component form.

A new view type, Browse Only, is implemented in addition to the existing Form Only and Hybrid Browse views. A Browse Only view only has a grid representation for data; it has no maintenance part to manage data. You can configure the activity feed and attachments for the Browse Only view. You can also configure drill downs for the Browse Only views in the design layout.

Also, a new type of browse, called Custom Browse, is available. A custom browse supports external data sources such as REST APIs. You can create a custom browse, from Business Components > Browsers > New, and then select the Type = Custom Browse. When the Custom Browse option is selected, the browse function does not use the business component data. Instead, the data must be supplied through a backend implementation using a Java extension.

Finally, you can now generate SQL views that map the logical data model to the physical database schema. This approach allows you to access data efficiently using standard JDBC queries and SQL views with logical field names, eliminating complex querying in the APIs. You can manage SQL views from Business Components > Browsers > SQL Views or from a new screen called SQL Views.

2.13.7. Other Enhancements

- You can now develop menu-level control screens. Control screens store additional information that is not available in the system. They are also used to set up and configure various settings related to customizations. A new Control File checkbox under Business Components > Options indicates whether a business component is used as a control screen.
- With a new App Seed Data screen, you can now include your business component data directly within your custom apps. You can create data snapshots in the source environment and install them in the target environment. Create the app seed data separately for each workspace/scope.
- QRF report filter fields can have a lookup. The browse used for the lookup is hard-coded as part of the report definition. You can now replace this hard-coded lookup browse with a BC

browse using the Lookup Definitions screen. This functionality allows you to use any browse available on the Lookup Definitions screen as the lookup, including a BC browse.

- The Source File Generation panel is removed from the Business Components screen.
- Swagger 2.0 is upgraded to OpenAPI to meet current industry standards.
- Browse performance is improved and error handling is enhanced.
- You can now use the 5000 and 10000 records per page browse settings. Use these settings judiciously because browsing with 10000 records may be slow. The anticipated load time is up to 20 seconds.
- For our high-volume customers, an optional server-side grouping feature can be enabled on request. This feature is helpful for browsing large datasets. It removes the prior limit on BC browses that required all records to load for grouping. However, to maintain system stability and speed, certain performance-risk features like Expand Groups are disabled when this feature is active.

Note: An environment restart is required after enabling the server-side grouping feature.

2.14. Mobile App

2.14.1. Enhanced Login

The QAD Adaptive mobile app now integrates with Auth0, enabling multi-factor authentication (MFA) and single sign-on (SSO) capabilities for enhanced user authentication. This new functionality allows integration with various identity providers, enabling a seamless and secure login experience for users.

Note: The Auth0 functionality is available only in the 2025 Adaptive release.

To enable Auth0, the QAD cloud team will handle customer onboarding and configure the necessary enterprise connectors. Customers should not attempt to sign up for Auth0 on their own. Please contact your cloud representative for Auth0 support.

2.15. Honda OEM Package

- The Honda OEM Package is now a standard integrated solution in Adaptive, offering a comprehensive EDI, data collection, and labeling solution to meet Honda's needs. Key benefits include faster time to value through reduced deployment and implementation, consistent solutions, and compliance with Honda's shipping and barcode requirements.
- This is a technical refresh and modernization of Honda package aimed at ensuring greater supportability and enhanced deployment efficiencies for customers. The updated solution uses QAD Cloud EDI (QCE) and QAD Automation Solutions, running on QAD Adaptive.
- Key features include:

- Mandatory Compliance and Error Prevention
 - Guaranteed Mandate Adherence: Ensure full compliance with mandatory EDI and bar code requirements (such as meeting the AIAG B-10 Guidelines) critical for production and service parts suppliers.
 - LMPR Lineside Labeling Support: Facilitate mandatory adherence to Labeling Minimum Process Requirements (LMPRs) by supporting lineside labeling—the preferred method of applying container labels at the point of manufacture or packaging to drastically reduce mislabeling risk.
 - Automatic Reconciliation & Error Blocking: Execute systematic comparison (reconciliation) of incoming ordering documents (850/862) against the outgoing Advanced Ship Notice (ASN 856) and the planned load.
 - Real-Time ASN Validation Feedback: Use application advice (ANSI 824) monitoring to notify users immediately (within 15 minutes during operating hours) when an ASN is rejected or accepted with errors, allowing for corrections before the shipment arrives at the recipient plant.
- Advanced Labeling, Scanning, and Traceability
 - Electronic Bar Code Verification: Support mandatory electronic verification/scanning as the only acceptable method to ensure label accuracy, preventing costly line shutdowns.
 - Offer Scan-To-Create functionality to build ASN details directly from scanned labels.
 - Offer Scan-To-Verify functionality to confirm the accuracy of a pre-populated planned load before transmission.
 - Include Quick Receive Scan validation to verify that Master/Mixed labels match the Quick Receive label before application, ensuring proper load sequence.
- Comprehensive Label Support: Automatically generate all required label formats, including Container, Master, Mixed, Quick Receive, and Delivery Batch labels.
- Lot Traceability Linkage: Automatically link the Container Label Serial Number to the Supplier Manufacturing Lot Number in the ASN for required quality tracking and part traceability.
- Seamless EDI Document and Logistics Management
 - Full Spectrum EDI Handling: Provide reliable processing for the core set of mandatory EDI documents in the automotive release cycle: Weekly Release (830) (forecasting), Ship Schedule (862) (shipment authorization), Purchase Order (850), and the mandatory outgoing ASN (856).

- Logistics Flexibility Support: Handle special logistic scenarios, including mandated Container-is-the-Pallet and Trailer-is-the-Pallet configurations.
 - Small Lot/Sequencing Control: Manage requirements tied to Delivery Batch/Small Lot orders, ensuring materials are grouped correctly for packing and that corresponding Lot Sequence Numbers are maintained for proper trailer loading sequence, as required by the customer.
 - Minimization of Manual Data Entry: Ensure that hand-keyed items are minimized—limited primarily to trailer numbers during shipping—with most necessary data automatically populated through EDI data turnaround or barcode scanning.
- The Honda OEM package includes:
 - Labels
 - Master
 - Mixed
 - Container
 - Delivery Batch
 - Quick Receive
 - Transactions
 - Pick and Pack
 - Quick Receive Label Print
 - QR Verification
 - Shipper Label Print/Reprint
 - IPP Tag Creation
 - EDI (QCE)
 - 830 Planning Schedule
 - 862 Shipping Schedule
 - 850 Purchase Order
 - 856 Advanced Shipment Notice
 - 820, 810, 824, 832, 856, 861, 864
 - Forms
 - Master Packing List
 - Pack Sequence Report

3. UX Enhancements

This section highlights the uplift of features from QAD Enterprise Edition 2022 to QAD Adaptive. As part of the transition to a Web UI framework, these screens are restructured and made accessible through QAD Adaptive. The following table lists each module along with its corresponding functionality in QAD EE 2022 and the uplifted screen in QAD Adaptive. For more information refer to the [QAD Adaptive Online Help](#).

Module	QAD EE 2022 Functionality	Adaptive Functionality
Purchasing	Product Line Approval Maintenance (5.2.1.16)	GRS Requisition Setup > Product Line Approvers
	Horizontal Approval Maintenance (5.2.1.13)	GRS Requisition Setup > Horizontal Approvers
	Job Approval Maintenance (5.2.1.15)	GRS Requisition Setup > Job Approvers
	Job Maintenance (5.2.1.7)	GRS Requisition Setup > Jobs
	Vertical Approval Maintenance (5.2.1.14)	GRS Requisition Setup > Vertical Approvers
	Buyer Maintenance (5.2.1.20)	GRS Requisition Setup > Buyers
	Cumulative Received Reset to Zero (5.5.5.14)	Supplier Scheduled Orders > Actions > Reset (Reset Cumulative Received)
	Supplier Cross-Reference Maint (5.15.23.3)	Supplier Cross-References
	PO Shipper Delete/Archive (5.13)	PO Shipper Delete/Archive
	Closed PO Delete/Archive (5.23)	Closed PO Delete/Archive
	Requisition Delete/Archive (5.2.23)	Requisition Delete/Archive
	Purchase Receipt Report (5.13)	Purchase Receipt Report
	PO Change History Report (5.9.21)	PO Change History Report
	Category Report (5.2.1.5)	Category
	Receipt History Report (5.13)	Supplier Scheduled Order Receipt History
	PO Shipper Receipt Into Transit (5.13.19)	PO Shippers / PO Fiscal Receiving > Actions > Confirm (Receive In Transit)
	Ship Delivery Time Maintenance (5.5.7.3)	Ship Delivery Time
	Pickup Sheet Delete/Archive (5.5.3)	Pickup Sheet Delete/Archive
	Schedule Delete/Archive (5.5.3.23)	Schedule Delete/Archive

Module	QAD EE 2022 Functionality	Adaptive Functionality
	Performance Data Delete/Archive (5.15.23.1)	Performance Data Delete/Archive
	Supplier Item Report (1.19)	Supplier Items
	PO Change History by Item (5.9.22)	Purchase Order Change History by Item
	Supplier Cross-Reference Report (5.15.23.4)	Supplier Cross Reference Report
	Subcontract Routing/Op PO Maint (511)	Subcontract Routing/Operations
Inbound Logistics	Logistics Charge Code Maint (2.15.1)	Logistics Charge Codes
	Terms of Trade Maintenance (2.15.4) and Terms of Trade Browse (2.15.5)	Terms of Trade
	Logistic Trade Zone Maintenance (2.15.9.1) and Logistic Trade Zone Browse (2.15.9.2)	Logistic Trade Zones
	Trade Environment Maintenance (2.15.9.4) and Trade Environment Browse (2.15.9.5)	Trade Environments
	Trade Class Maintenance (2.15.9.7) and Trade Class Browse (2.15.9.8)	Trade Class
	Logistic Charges Price List Maintenance (2.15.9.13) and Logistic Charges Price List Browse (2.15.9.14)	Logistic Charge Lists
	Log Charge Pending Invoice Maintenance (2.15.7)	Logistics Charge Pending Invoices
	Inbound Account Maintenance (2.15.13)	Inbound Accounts
	Delivery Transit Time Report (2.16.1)	Delivery Transit Times
	EU Expansion Intrastat Utils (2.22.25.2)	EU Expansion Intrastat Utility
	Uninvoiced Log Charge Del/Arch (75.10.14)	Uninvoiced Logistics Charge Delete/Archive
	Merge Purchasing app maintenance screens	GRS requisition setup
Automation Solutions	Device Maintenance (6.22.14)	Devices
	Printer Model Maintenance (36.13.16.1.3)	Printer Models
	Label Printer Connection Maintenance (36.13.16.1.1)	Label Printer Connection

Module	QAD EE 2022 Functionality	Adaptive Functionality
	Label Printer Syntax Type Maintenance (36.13.16.1.2)	Label Printer Syntax Types
	Label Format Maintenance (36.13.16.1.9)	Label Formats
	Label Queue Monitor (36.13.16.2.3)	Label Queue Monitor
	Ad Hoc Label Generation (36.13.16.2.19)	Label Print Status
	Label Reprint/Ad Hoc Generation (36.13.16.2.29)	Label Print Status > Actions > Ad Hoc Generation
	Copy Existing Label (36.13.16.2.29)	Label Print Status > Actions > Copy Existing Label
	Delete Label Format History (36.13.16.4.13)	Delete Label Format History Report
	Remove Stranded Label Work File Records (36.13.16.4.14)	Remove Stranded Label Work File Records
	Label Printer Router (36.13.16.1.14)	Label Printer Router
	Label Print Status (36.13.16.2.6)	Label Print Status (Report)
	Label Request History (36.13.16.12.3)	Label Request History Detail
	Label Print Route Config Detail (36.13.16.12.4)	Label Print Route Config Detail
	Label Format Route Detail (36.13.16.12.6)	Label Format Route Detail
EAM	DUOMs	Equipment Driving Units of Measure
	Equipment Catalogs	Equipment Catalog
	Holidays	Holidays
	Tool Catalogs	Tool Catalog
	Part Catalogs	Indirect Part Catalogs
	Terms (EAM)	Indirect Terms
	Overhead Rates (EAM)	Overhead Rates
	Overhead Groups (EAM)	Indirect Overhead Groups
	Activities	Activities
	Intercompany Accounts	Indirect Intercompany Accounts
	Equipment Mapping to ERP	Equipment Mapping to Work Center

Module	QAD EE 2022 Functionality	Adaptive Functionality
	Labor History	All Labor
	Events	Maintenance Events
	Additives	Payment Additives
	Multipliers	Pay Multipliers
	Site Operation Types Drilldown	Operation Types
	Service Types	Asset Service Types
	User Defined Fields	Indirect User Defined Labels
	Inventory	Indirect Inventory / Item Site Indirect
	Part Catalogs	Indirect Part Catalogs
	All Readings	Equipment Readings All
	BOM	Bill of Materials
	Work Orders	Asset Work Orders
	Service Requests	Maintenance Requests
	Indirect Inventory Manufacturers Drilldown	Indirect Inventory Manufacturers Drilldown
	Physical Inventory	Indirect Physical Inventory
	Part Rebuild Locations	Parts Rebuild Locations
	Tool Asset Work Orders Drilldown	Tool Asset Work Orders Drilldown
	Add Tool Failures and Repairs grids to Tool Failure Types	Tool Failure Types
	Add Failures and Repairs grids to Equip Failure Types	Equipment Failure Types
	Failures (grid in Equipment Failure Types)	Equipment Failures
	Repairs (grid in Equipment Failure Types)	Equipment Repairs
	Manufacturer (in Inventory)	Indirect Inventory Manufacturers
	Equipment > Parent Child Lookup	Equipment Hierarchy
	Equip DUOM/ERP Item Conversion	DUOM Item Conversion
	Equipment Rotable History	Equipment Rotable History

Module	QAD EE 2022 Functionality	Adaptive Functionality
	Tool DUOMS	Equipment Driving Unit of Measurement
	UOM Conversion	Indirect UM Conversions
	UOMs	Indirect Units of Measure
	Vendors (EAM)	Suppliers (ERP)
	Business Segments (EAM)	Business Segments
	Exchange Rate Types (EAM)	Indirect Exchange Rate Types
	Equipment > Equipment Locations	Equipment Locations
Base	Validate/Update Pt_Status Values (36.25.13)	Validate/Update Item Status
	Document Credit Terms Update (36.25.83)	Document Credit Terms Update
	Calendar Conversion Utility (36.2.4.25)	Calendar Conversion
	Utility Program Text Maintenance (36.4.4.15)	QADRSRV Master Notes (Utility Program Text Maintenance)
	Sequence Number History Report (36.2.21.13)	Sequence Number History
	Price List Reclassification (1.10.24)	Price List Reclassification
	Supplier Labels Print (2.3.5)	Supplier Labels Print
	ATP Enforcement Level Utility (7.1.19.1)	ATP Enforcement Level
Field Service Management	Revenue Recognition By Line (11.5.18.25.2)	Process Revenues action in Contract Lines
	Copy Call Quote (11.1.1.12)	Service Quote Copy action in Customer Quotes
	Escalation Maintenance (11.1.13.1)	Escalations
	Call Generator - Field Notifications (11.1.8)	Generate Service/Depot Orders in Field Notifications
	Call Generator - Installed Base (11.1.8)	Generate Service/Depot Orders in Installed Base
	Service Price List Copy (11.17.4)	Service Price List Copy action in Service Price Lists
	Service Product Structure Copy (11.19.9)	Service Structure Copy action in Product Structures & Formulas

Module	QAD EE 2022 Functionality	Adaptive Functionality
	Service Routing Copy (11.19.20)	Service Routing Copy action in Service Routings
	Field Notification Maintenance (11.3.12.1)	Field Notifications
	Contract Quote Copy from Quote (11.5.1.6)	Contract Quote Copy action in Customer Quote Detail
	Contract Quote Copy from Contr (11.5.1.7)	Contract Quote Copy action in Service Contracts
	Contract Copy to Contract (11.5.13.6)	Contract Copy to Contract Action in Service Contracts
	Call Generator - PM Schedules (11.1.8)	Generate Service Orders in Service Contracts
	Contract Quote Maintenance (11.5.1.1)	Service Contract Renewal Process
	End User Data Maintenance (11.9.1)	End User Domain Settings
	RTS Maintenance (11.7.3.1)	RTS
	RTS Receipts (11.7.3.13)	Receive Order action in RTS
	RTS Shipments (11.7.3.16)	Ship Allocated action in RTS
	RTS Picklist Print (11.7.3.15)	RTS Picklist Print
	Service Item by Site Maintenance (11.3.9)	Site Service Exceptions panel in Items
	Installed Base Rebuild (11.3.26)	Installed Base
	Call Invoice Recording (11.1.1.15)	Service Pending Invoices
Outbound Logistics	POD Maintenance (7.9.38.3)	PODs
	POD Undo (7.9.38.6)	Delete button in PODs
Sales	Deallocate Unconfirmed S. Orders (36.25.18)	Deallocate Unconfirmed Sales Orders
	Detail Allocation Update/Delete (36.25.23)	Detail Allocation Update/Delete
EDI	Application Data Repository Maintenance (35.9.10)	Application Data Repository
	Application Data Repository Report (35.9.12)	Application Data Repository (Report)
	Application Definition Maintenance (35.15.10)	Application Definitions

Module	QAD EE 2022 Functionality	Adaptive Functionality
	Application Definition Copy (35.15.2)	Application Definitions (Copy Action)
	Application Definition Report (35.15.12)	Application Definitions (Report)
	Application Doc Status Report (35.9.9)	Application Document Status
	Data Cross-Reference Maintenance (35.13.16)	Data Cross-References
	Data Cross-Reference Report (35.13.18)	Data Cross-References (Report)
	Domain Cross-Reference Maintenance (35.11.1)	Domain Cross References
	EC Subsystem Definition Maintenance (35.13.1)	EC Subsystem Definitions
	EC Subsystem/Application Maintenance (35.13.5)	EC Subsystem Applications
	EC Subsystem/Exchange Maintenance (35.13.3)	EC Subsystem Exchanges
	Exchange Data Repository Maintenance (35.9.3)	Exchange Data Repository
	Exchange Data Repository Report (35.9.5)	Exchange Data Repository (Report)
	Exchange Definition Maintenance (35.16.6)	Exchange Definitions
	Exchange Definition Copy (35.15.1)	Exchange Definitions (Copy Action)
	Exchange Definition Maintenance (35.15.6)	Exchange Definition (Report)
	Exchange Doc Status Report (35.9.2)	Exchange Document Status
	Inbound Delete/Archive (35.17.13)	Inbound Delete or Archive
	Outbound Delete/Archive (35.17.14)	Outbound Delete or Archive
	Trading Partner Maintenance (35.13.7)	Trading Partners
	EDI Component Compl. Load-Cloud (35.17.25.1)	EDI Component Load-Cloud (Trading Partners Action)
	EDI Component UnLoad-Cloud (35.17.25.2)	EDI Component UnLoad-Cloud (Trading Partners Action)
	Trading Partner Report (35.13.9)	Trading Partners (Report)
	Trading Partner Document Delete (35.17.10)	Trading Partner Document Delete
	Trading Partner Parameter Maintenance (35.13.10)	Trading Partner Parameters

Module	QAD EE 2022 Functionality	Adaptive Functionality
	Trading Partner Para Desc Update (35.17.21)	Trading Partner Parameters Update Description
	Transmission Group Maintenance (35.13.13)	Transmission Groups
	Transmission Group Report (35.13.15)	Transmission Groups (Report)
	Turnaround Data Maintenance (35.9.17)	Turnaround Data
	Turnaround Data Archive/Delete (35.17.16)	Turnaround Data Archive/Delete
	Update Token Variables (35.17.20)	Update Token Variables
	Update Transformation Variables (35.17.22)	Update Transformation Variables
	Implementation Definition Maintenance (35.15.13)	Implementation Definitions
	Implementation Definition Copy (35.15.3)	Implementation Definitions (Copy Action)
	Implementation Definition Report (35.15.15)	Implementation Definition (Report)
	Invoice Export (35.4.3)	Invoice Export
	Change Management File Report (35.22.4)	Change Management (Report)
	Transformation Definition Maintenance (35.15.17)	Transformation Definitions
	Transformation Definition Copy (35.17.1)	Transformation Definitions (Copy Action)
	Transformation Definition Report (35.15.19)	Transformation Definitions (Report)
	Document Tracking Maintenance (35.9.16.1)	Document Tracking
	Document Tracking Archive/Delete (35.9.16.13)	Document Tracking Archive or Delete
	PO Change Export (35.22.16)	PO Change Export
	Purchase Order Export (35.4.9)	Purchase Order Export
	Purchase Order Acknowledgment (35.4.5)	Purchase Order Acknowledgment (Report)
	Manual Ack Resolution (35.22.1)	Manual Acknowledgment Resolution (Purchase Orders Action)
	Session Report (35.7)	Session
	Shipment ASN Export (35.4.1)	Shipment ASN Export
	Supplier Change Rejection Maintenance (35.22.2)	Supplier Change Rejection

Module	QAD EE 2022 Functionality	Adaptive Functionality
	Supplier Self Billing Export (35.4.11)	Supplier Self Billing Export
	Supplier Shipping Schedule (35.4.8)	Supplier Shipping Schedule
	Application Status Maintenance (35.9.33)	Change Application Status (EDI Processing Action)
	Document Import (35.1)	Document Import (EDI Processing Action)
	eCommerce Manager (35.22.13)	eCommerce Manager (EDI Processing Action)
	Exchange Status Maintenance (35.9.31)	Change Exchange Status (EDI Processing Action)
	Export Reprocessing (35.9.22)	Export Reprocessing (EDI Processing Action)
	Import Reprocessing (35.9.21)	Import Reprocessing (EDI Processing Action)
	Purchase Order Acknowledgment Maintenance (35.4.4)	Purchase Order Acknowledgment (EDI Processing Action)
	eCommerce Function Maintenance (35.15.21)	eCommerce Functions
	eCommerce Function Copy (35.17.2)	eCommerce Functions (Copy Action)
	eCommerce Control (35.13.24)	eCommerce Control
Financials	Unposted Transaction Register (25.13.14)	Unposted Transaction Register
	Close All Running ERS (36.25.97)	Financials Control (Close All Running ERS action)
	Sales Order Balance Update (71.2)	Sales Order Balance Update
	Posting Tax Group Update (36.16.23)	Posting Tax Group Update
	User-Defined Field Create/Modify/View/Delete (36.4.12.)	Financial User-Defined Fields
	User-Defined Fields on Report Maintain (36.25.92)	Financial User-Defined Fields
Foundation	Batch ID Maintenance (36.14.1)	Batch ID
	Document Maintenance (36.4.23.5)	Attached Documents
	Document Attachment Application Maint (36.4.23.7)	Document Application
	User Password Maintenance (36.3.3)	Change Password subpanel in Users
	License Registration (36.16.10.1)	N/A

Module	QAD EE 2022 Functionality	Adaptive Functionality
Security	Site Security Maintenance (36.3.13.8)	Site Security
	GL Account Security Maintenance (36.3.13.1)	GL Account Security Settings
	Role Create (36.3.6.1)	Roles
	Inventory Movement Code Security (36.3.13.13)	Inventory Movements
	User Maintenance (36.3.1)	Users
	User Domain/Entity Access Maintain (36.3.4)	User Access
	Database Control (36.24.1)	Base Control
	Role Permissions Maintain (36.3.6.5)	Role Permissions
	Role Membership Maintain (36.3.6.6)	User Access
	Reason Codes Maintenance (36.2.17)	Reason Codes
	Force Password Change Utility (36.3.23.12)	Force Password Change checkbox, Change Password Panel, Users screen
	LDAP Instance Maintenance (36.3.10)	LDAP Instances
	System Maintain (36.24.3.2)	Base Control
	Multiple Time Zones Maintenance (36.16.22.1)	Time Zones
	Logon Attempts (36.3.23.1)	Logon Attempts browse
	User Account Status Report (36.3.23.2)	User Access Audit Report
Manufacturing - Push Production	Production Line Update (16.25.7)	Production Line Update
	Prod Order Routing Actual Setup Utility (16.25.15)	Prod Order Routing Actual Setup Utility
	Subcontract Shipper Print (16.5.22.4)	Subcontract Shippers
	Pack Create by Production Line (16.5.18)	Create Pack action in Item Production Lines
	Production Line Cal Inq By Date (16.1.13.6)	Production Line Calendar by Date
	Production Order Serial Booking (16.3.14)	Book Serial action in Production Orders
	Prod Order Attribute Maintenance (1.22.4)	Production Line Calendar by Date
	Supplier Lot Transaction Report (3.22.13.18)	Supplier Lot Transactions

Module	QAD EE 2022 Functionality	Adaptive Functionality
	Item Lot Ship Transaction Report (3.22.13.14)	Item Lot Ship Transactions
	Subcontract Shipper Issue (16.5.22.5)	Confirm action in Subcontract Shippers
	Subcontract Shipper Maint (16.5.22.2)	Subcontract Shippers
	Subcontract Shipper Delete/Arch (16.5.22.23)	Subcontract Shipper Delete & Archive
	Subcontract Scrap Maint (16.5.22.6)	Scrap action in Subcontract Shippers
	Production Order Serial Booking	Create Pack action in Production Orders
Costing	PC Item Cost Delete/Archive	PC Item Cost Delete & Archive
	PC Periods Maintenance	Periodic Costing Periods
	PC Periodic Cost Set Maintenance (30.5.1.4)	PC Cost Set Create & Recreate
	PC Grouped Site Maintenance (30.5.1.13)	Periodic Costing Grouped Sites
	Periodic Costing Initialize	Periodic Costing Initialize
	PC Work Center Rate Maint	Periodic Costing Work Center Rates
	PC Work Center Rate Report (30.5.3.3)	Periodic Costing Work Center Rates
	PC Unit Cost Adjustment	Inventory Detail by PC Costs > Adjust Unit Cost
	PC Total Cost Adjustment	Inventory Detail by PC Costs > Adjust Total Cost
	PC Prod Order Operation Adj	PC Production Order Routing Costs > Adjust Operation Cost
	PC Prod Order Comp Cost Adjust	PC Production Order Bill Costs > Adjust Component Cost
	PC Cost Set Create & Recreate	PC Cost Set Create & Recreate
Manufacturing - Planning	Low Level Code Update (12.13.22 and 23.22)	Low Level Code Update
	PL Resource Bill Maintenance (21.5)	Product Line Resource Bills
	Detail Forecast Maintenance (22.7.7)	Detail Forecasts
	Simulation To Simulation Copy (22.7.11)	Forecast Simulation to Simulation Copy
	Single Item Simulation Copy (22.7.12)	Single Item Forecast Simulation Copy

Module	QAD EE 2022 Functionality	Adaptive Functionality
	Simulation To Summarized Fcst (22.7.13)	Simulation To Summarized Forecast
	Val MRP Det Prod Forecast (36.25.38)	Production Forecast Delete
	ISO 8601 Forecast Conversion (22.26)	ISO 8601 Forecast Conversion
	Resource Maintenance	Resource Detail
	Department Load Summary Report (24.20)	Department Load Summary
	Rebuild 'mrp_det' Table (23.25.1)	Rebuild MRP Detail
Manufacturing - Engineering	Detail Approval Maintenance (1.9.6.13)	Product Change Control Approvals
	Structure/Formula Impact Report (1.9.9.4)	Structures & Formulas Impact
	Affected Structures/Formulas Inq (1.9.9.3)	Affected Structures & Formulas
	PCR/PCO Delete/Archive (1.9.15)	PCR/PCO Delete & Archive
	PCR/PCO Type Maintenance (1.9.1.9)	PCR/PCO Types
	PCC Control (1.9.24)	Engineering Control
	Routing Slip Maintenance (1.9.1.5)	Routing Slips
	Routing Slip Copy	Routing Slips > Copy Action
	Print PCR/PCO (1.9.9.1)	PCR/PCO Print
	PCR/PCO Detail Inquiry (1.9.2.8)	PCR/PCO Detail
	Trailer Maintenance (1.9.25.9)	Trailers panel in Product Change Requests and Product Change Orders
	Text Data Maintenance (1.9.25.2)	Notes panel in Product Change Requests and Product Change Orders
	Item Data Maintenance (1.9.25.3)	Item Data panel in Product Change Requests and Product Change Orders
	Process Data Maintenance and Routing Data Maintenance (ecmt12.p and ecmt13.p)	Routings & Processes panel in Product Change Requests and Product Change Orders
	Release and Distribution (1.9.7.1)	Product Change Orders > Release & Distribute Action

Module	QAD EE 2022 Functionality	Adaptive Functionality
	Close PCO to PCO (ecmt02.p)	Product Change Orders > Close PCO to PCO Action and Product Change Requests > Close PCO to PCO Action
	PCR/PCO Close (1.9.14)	Product Change Requests > Close/Reopen Action and Product Change Orders > Close/Reopen Action
	PCO/PCR Function Maintenance > Convert PCR to PCO (ecmt02.p)	Product Change Requests > Convert PCR to PCO Action
	PCO Maintenance > Copy PCO From PCO or PCR (ecmt02.p)	Product Change Orders > Copy PCO from PCO or PCR Action
	PCR/PCO Approval (1.9.6.1)	Product Change Requests > Approve Action and Product Change Orders > Approve Action
	PCO/PCR Function Maintenance > Copy PCR from PCO/PCR (ecmt02.p)	Product Change Requests > Copy PCR from PCO or PCR action
	PCO/PCR Function Maintenance > Copy PCO to PCO/PCR (ecmt02.p)	Product Change Orders > Copy PCO to PCO or PCR Action
	PCO/PCR Function Maintenance > Copy PCR to PCO/PCR (ecmt02.p)	Product Change Requests > Copy PCR to PCO or PCR action
	PCO Maintenance > Routing Data Maintenance > Deactivate Routing (1.9.6.1) (ecmt11.p)	Product Change Orders > Deactivate Routing & Process Action
	PCR Maintenance > Routing Data Maintenance > Deactivate Routing (1.9.6.1) (ecmt11.p)	Product Change Requests > Deactivate Routing & Process Action
	PCO Maintenance > Routing Data Maintenance > Copy Routing to PCR/PCO (ecmt11.p)	Product Change Orders > Copy Routing & Process to PCO action
	Maintain Users in Groups (1.9.1.3)	Product Change Control Groups by User
	Group Maintenance (1.9.1.1)	Product Change Control Groups
	Route PCO for Approval (1.9.2.16)	Product Change Orders > Route for Approval Action
	Route PCR for Approval (1.9.2.4)	Product Change Requests > Route for Approval Action
	Change PCO number (ecmt01.p)	Product Change Orders > Change PCO Number Action

Module	QAD EE 2022 Functionality	Adaptive Functionality
	Change PCR number (ecmt01.p)	Product Change Requests > Change PCO Number Action
	PCR/PCO Close (1.9.14)	Product Change Orders > Close/Reopen Action Product Change Requests >Close/Reopen Action
	PCR Maintenance (1.9.2.1)	Product Change Requests
	PCO Maintenance (1.9.2.13)	Product Change Orders
Manufacturing - Inventory	Lot Master Build (1.22.22)	Lot Masters
	Controlled Authority Maintenance (1.22.16.1)	Controlled Authorities
	Controlled Customer Maintenance (1.22.16.4)	Controlled Customers
	Controlled Site Maintenance (1.22.16.7)	Controlled Sites
	General License Maintenance (1.22.16.13)	General Licenses
	Depreciation Rate Maintenance (3.5.1.3)	Inventory Depreciation Rates
	DO Receipts Restriction Maint (36.3.7.15)	Distribution Order Receipt Restrictions
	SSM Restriction Maintenance (36.3.7.17)	Service Restrictions
	SO Restriction Maintenance (36.3.7.8)	Sales Order Restrictions
	Update Loc Detail Allocations (36.25.17)	Update Location Detail Allocations
	Manual Post IC Transactions (29.22.9)	Manual Post IC Transactions
	Set Qty Oh/Qty All/Qty Req (36.25.15)	Set Qty Oh/Qty All/Qty Req
	Work Ctr Reserve Loc Maintenance (1.1.18.13)	Work Center Reserved Locations
	Controlled Item Maintenance (1.22.16.10)	Controlled Items
	Update Restriction Report (36.3.7.19)	Restrictions
	PO Receipts Restriction Maint (36.3.7.6)	Purchase Order Receipt Restrictions
	Individual License Maintenance (1.22.16.16)	Individual Licenses
	Inventory Type Maintenance (3.5.1.1)	Inventory Types
	Inv Transfer Restriction Maint (36.3.7.1)	Inventory Transfer Restrictions

Module	QAD EE 2022 Functionality	Adaptive Functionality
	Inv Detail Restriction Maint (36.3.7.2)	Inventory Detail Restrictions
	Unplanned Iss/Rct Restrict Maint (36.3.7.3)	Unplanned Issue & Receipt Restrictions
	PO Restriction Maintenance (36.3.7.5)	Purchase Order Restrictions
	SO Shipments Restriction Maint (36.3.7.9)	Sales Order Shipment Restrictions
	DO Restriction Maintenance (36.3.7.13)	Distribution Order Restrictions
	DO Shipments Restriction Maint (36.3.7.14)	Distribution Order Shipment Restrictions
	Prod Line Reserve Loc Maintenance (1.1.18.16)	Production Line Reserved Locations
Manufacturing - Distribution Orders	Network Code Maintenance (12.1.1)	Network Codes
	Inventory in Transit (12.15.17)	Inventory in Transit
	DO Picklist/Pre-Shipper - Auto (12.19.1)	Distribution Order Picklist & Pre-Shipper - Automatic
	Pre-Shipper/Shipper Picking (12.9.1) Pre-Shipper/Shipper Pack Build (12.9.2)	Distribution Order Pre-Shippers > Pick & Pack action
	Pre-Shipper/Shipper Picking (12.9.1) Pre-Shipper/Shipper Pack Build (12.9.2)	Distribution Order Shippers > Pick & Pack action
	Distribution Management Control (12.15.24)	Logistics Control
	DO Shipment Reconciliation (12.17.17)	Distribution Order Shipment Reconciliation
	Closed Intersite Demand Del/Arch (12.17.23)	Closed Intersite Demand Delete & Archive
	Source Network Maintenance (12.1.13)	Source Networks
	DO Container/Shipper Control (12.19.24)	DO Shipper panel in Logistics Control
	Distr Order Shipper Acct Control (36.9.8)	Distribution Orders subpanel in Logistics Control
	Transportation Network Maint (12.5.5)	Transportation Networks
	Release Locked DO Shipper Confirm (12.19.26)	Release Locked DO Shipper Confirms

Module	QAD EE 2022 Functionality	Adaptive Functionality
	Distribution Order Unpick (12.17.20)	Distribution Order Unpick
	Intersite Requests Maintenance (12.15.1)	Intersite Requests
	DO Pre-Shipper/Shipper Print (12.19.11)	DO Pre-Shipper/Shipper Print
	Transportation Mode Maintenance (12.5.1)	Transportation Modes
	Undo DO Shipper Nbr Assignment (12.19.20)	Undo DO Shipper Assignment
	DO Backlog/Missed Shipment Rpt (12.19.15)	DO Backlog & Missed Shipments
	DO Pre-Shipper/Shipper Report (12.19.5)	DO Pre-Shipper/Shippers
	DO Shipper Delete/Archive (12.19.23)	DO Shipper Delete & Archive
	DO Receipt by Pack (12.9.13)	Receive Order by Pack action in Distribution Orders
	Planned Intersite Requests (12.13.10)	Planned Intersite Requests
	DO Pre-Shipper/Shipper Unconfirm (12.19.21)	Unconfirm action in Distribution Order Pre-Shippers and Shippers
	Distributed Order Receipt (12.15.20)	Receive Order action in Distribution Orders
	Intersite Demand Confirmation (12.17.1)	Confirm action in Intersite Demand
	Distribution Order Maintenance (12.17.14)	Distribution Orders
	DO Pre-Shipper/Shipper Maint (12.19.3)	Distribution Order Pre-Shippers
	Truck Load (12.9.4)	Truck Load action in Distribution Order Shippers and Distribution Order Pre-Shippers
	Move Pack between (Pre-)Shippers (12.9.12)	Move Pack action in Distribution Order Pre-Shippers
	DO Pre-Shipper/Shipper Maint (12.19.3)	Distribution Order Shippers
	DO Pre-Shipper/Shipper Confirm (12.19.13)	Confirm action in Distribution Order Pre-Shippers and Distribution Order Shippers
	Distribution Order Browse (12.17.15)	Distribution Orders
	Distribution Order Shipments (12.17.22)	Ship Allocated action in Distribution Orders
	Distribution Order Maintenance (12.17.14)	Distribution Orders
	Intersite Demand Browse (12.17.2)	Intersite Demand

Module	QAD EE 2022 Functionality	Adaptive Functionality
	Source Network Report (12.1.15)	Source Network
	DO Logistics Charges Maintenance (12.21.1)	Logistics Control
	Logistics Charges Report (5.6.2)	Logistics Charges
	Logistics Charges Document Print (12.21.3)	Logistics Charges
	Shipping Load Summary Report (12.5.18)	Shipping Load Summary
Manufacturing and Supply Chain - Pull Production	Supermarkets Maintenance (17.1.2.1)	Kanban Supermarkets
	Safety Stock Calculation (17.2.2)	Kanban Safety Stock Calculation
	Kanban Card Audit Report (17.3.14)	Kanban Card Audit
	Kanban Dispatch Maintenance (17.5.2)	Kanban Dispatches
	Inventory Validation Report (17.6.13)	Kanban Inventory Validation
	Basic Process Calculations (17.2.3)	Kanban Basic Process Calculations
	Process Item Operation Roll-up (17.1.12)	Kanban Process Item Operation Roll-up
	Average Demand Calculation (17.2.1)	Kanban Average Demand Calculation
	Kanban Label Definition Maint (17.3.18)	Kanban Labels
	Kanban Item Master Maintenance (17.1.1.1)	Kanban Items
	Kanban Card Maintenance (17.3.1)	Kanban Cards
	Kanban Card Activate (17.3.8)	Activate action in Kanban Cards
	Kanban Fill/Receive (17.6.5)	Fill/Receive action in Kanban Cards
	Kanban Card Close (17.3.10)	Close action in Kanban Cards
	Kanban Card Deactivate (17.3.9)	Deactivate action in Kanban Cards
	Kanban Consume/Post (17.6.1)	Consume/Post action in Kanban Cards
	Kanban Acknowledge (17.6.3)	Acknowledge action in Kanban Cards
	Kanban Fill/Receive (17.6.5)	Fill/Receive action in Kanban Cards
	Kanban Authorize (17.6.2)	Authorize action in Kanban Cards
	Kanban Ship (17.6.4)	Ship action in Kanban Cards

Module	QAD EE 2022 Functionality	Adaptive Functionality
	Kanban Multi-Card Edit (17.3.2)	Kanban Multi-Card Edit action in Kanban Cards
	Kanban Status Reversal (17.6.14)	Status Reversal in Kanban Cards
	Kanban Multi-Card Print (17.3.5)	Kanban Multi-Card Print
	Authorized Card Report (17.6.17)	Authorized Card
	Kanban Dispatch Maintenance (17.5.4)	Dispatch View by Dispatch ID
	Kanban Process Maintenance (17.1.3.1)	Kanban Processes
	Kanban Control (17.24)	Kanban Control
	Supplier Kanban Consumption (17.6.21)	Supplier Kanban Consumption
	Kanban Process Maintenance (17.1.3.16)	Kanban Process Items
	Kanban Master Maintenance (17.1.4.1)	Kanban Masters
	Kanban Master Copy (17.1.4.2)	Kanban Masters Copy action in Kanban Masters
	Kanban Card Create (17.3.12)	Kanban Card Create action in Kanban Masters
	Historical Buffer Evaluation (17.2.13)	Evaluate Historical Buffers action in Kanban Masters
	Demand Calc Template Maintenance (17.1.6)	Demand Calculation Template
	Demand Calc Template Update (17.1.7)	Kanban Demand Calculation Template Update
	Container Type Maintenance (17.1.9)	Kanban Container Types
	Kanban Multi-Card Print (17.3.5)	Kanban Multi-Card Print
	Accumulator Monitor (17.6.6)	Kanban Accumulator
	Missing Kanban Report (17.6.18)	Missing Kanbans
	Kanban Transaction History Inquiry (17.6.11)	Kanban Transaction History
	Kanban Quantity Audit Report (17.6.16)	Kanban Quantity Audit
	Dispatch View by Source/Item (17.5.5)	Dispatch By Source Item
	Transaction Delete/Archive (17.6.23)	Kanban Transaction Delete & Archive
	Kanban Dispatch Maintenance (17.5.7)	Kanban Dispatch
	Kanban Card Management (17.3.16)	Loop Analysis and Recommendations

Module	QAD EE 2022 Functionality	Adaptive Functionality
	Kanban Dispatch List Processing (17.5.1)	Kanban Dispatch List Processing
	Kanban Card Status Report (17.3.13)	Kanban Card Status

4. Security Updates

Security in QAD products is supported by role-based access controls, system security features, and compliance-driven internal controls. Each release may include updates that strengthen authentication, encryption, auditing, and integration with external security frameworks. Refer to the [QAD Security Administration Guide](#).

The following improvements are made to enhance security features:

4.1. Configuration Data Enhancement

The below artifacts are now supported for import, export, and environment propagation in the Configuration Data module:

- E-Signature
- Application Menu Configuration
- Record Level Security (including Security Groups and Security Rules)

You can now easily import and export the configuration data for these artifacts, as well as propagate configurations across development, production, and non-production environments, ensuring consistency and smooth transitions between environments.

4.2. Record-Level Security

The Record-Level Security (RLS) functionality now supports the definition of a Supervisor Role.

You can assign this role to any other user role at the BC component level using the Record Level Security screen. Users with the Supervisor Role have the ability to view all system records bypassing any record-level security configuration that may be in place.

4.3. RLS Inheritance Improvement

Introduced enhanced RLS inheritance to simplify security rule configuration across related business components. Security rules or sharings can now be defined once at the parent level and applied to child components, reducing duplication. The functionality supports both one-level and multi-level inheritance.

4.4. Security Controls

- The minimum password length has been increased to 12 characters.
- The default value for Minimum Access Failures is now set to 10.

5. Resolved Issues

This section summarizes the issues addressed in this release. These fixes enhance system stability, improve user experience, and resolve specific problems reported by users or identified internally. For clarity, each issue includes a brief description.

5.1. Reports

The following QRF report issues are resolved:

- An issue is fixed where Thai vowel characters were not displayed correctly in the PDF output of reports.
- Previously, Report Burst functionality was only available to users with the Report Administrator (rptAdmin) role. However, granting this broad role to users who only need report bursting access causes security violations. To resolve this issue, a new rptAllowBursting role is introduced. Administrators can create and assign this role to users who need report burst access without full administrator rights, ensuring proper security and compliance.

5.2. Mobile App

The following issues in the Mobile App are resolved:

- An issue is fixed where an infinite loading screen appeared when users tapped the Scan button to sign into the QAD Adaptive mobile app. This issue was observed only for Android device users.
- An issue is fixed where users were unable to log into the QAD Adaptive mobile app after scanning the QR code from their profile. This issue was observed only for Android device users.
- An issue is fixed where Android device users were unable to view or select attachments in the mobile app. The app displayed the following error messages:
 - *Error: "FilePicker" plugin is not implemented on Android.*
 - *Error: "FileSystem" plugin is not implemented on Android.*

6. Known Issues and Limitations

This section identifies the known issues and limitations associated with QAD Adaptive. Being aware of these considerations will help you plan effectively and minimize potential impacts on your operations. QAD is actively working to address these items in future releases. For updates, recommended workarounds, or additional details, please refer to the [QAD online support portal](#).

6.1. Action Centers

The following known issues are present in Action Centers:

- Some visuals in Action Centers fail to load. The system displays the error message: "You do not have access to view all of the data in this visual. Select new values for the following to load the visual: Filters."
As a workaround, delete the filters applied to the visual and save your changes to see the data.
- When you create a Table visual for a KPI in the KPIs browse, the system does not generate the visual and displays a blank page.
As a workaround, create a different visual type first. Then convert it to a Table visual.
- Action Centers now includes an option to change the layout using the Action Center Layout icon. This feature allows you to switch to a responsive layout that adapts to various screen sizes for an improved experience across devices such as desktops, tablets, and smartphones. However, this feature is currently not working as intended. QAD is actively working to resolve the issue.
- Users may encounter out-of-memory errors when opening an action center containing multiple visuals handling large datasets, specifically the Line Trend: Attribute Values Charts visual with numerous trend lines. These errors cause the action center to load slowly or to fail to load. As a workaround, the default data threshold limit for the Line Trend: Attribute Values visual type has been reduced from 130000 to 1000. When the data exceeds this limit, the Display as stacked toggle setting for this visual type is automatically disabled. This change prevents crashes and out-of-memory errors. It also improves performance and ensures that the chart renders quickly.

Note: If the Display as stacked toggle setting is required, it is possible to re-enable it. However, this action may result in slower performance due to increased memory usage. For assistance with re-enabling this setting, contact your QAD representative.

6.2. Limitations

The following capabilities available in QAD EE 2022 are not yet supported in QAD Adaptive.

Module	EE 2022 Functionality
Periodic Costing	Periodic Cost Calculation
	PC Cost Sets
	Cost Uploads

Module	EE 2022 Functionality
Inventory/TransHist	e-Signatures
	Intrastat with transfers (Transfer Pack and Bulk Transfer Pack)
	Serialization for Subcontract Shippers, Component Serial Maintenance, Pack Label Format Maintenance, and Item Label Format Maintenance
Pull Replenishment	Kanban Sizing Workbench
Push Production	Co/By integration with Serialization
	Move Transaction - Serialization
	WIP Lot Trace (ability to scrap from a non-WLT Subcontract Shipper when WLT is enabled)
	Production Corrections
	Monitor Materials for Production
	Production Order divide (Order Split)
Financials	Journal entry archiving
	Intrastat
PO Shippers (Receipts)	Serialization - ability to perform Automatic Unload from PO Shipper Confirm
	Modifying receipt details for receiving finished goods when Subcontract line referencing last operation in Receive Order
PO Containers	PO Container functionality is replaced by Serialization.
Purchase Orders (Receipts)	Modifying receipt details when receiving finished goods for subcontract lines that reference the last operation in the Receive Order process.
Requisition Entry	Estimated Freight & Overhead cost in EAM Requisitions
	Requisition Repricing Update modal - system confirmation message to recalculate price / discount based on quantity changes
	Taxes in EAM Requisitions
Supplier Scheduled Orders	System driven revision updates of Supplier Scheduled Orders
Distribution Orders	Distribution Workbench

Module	EE 2022 Functionality
	Non-Sales shippers for DO Receive Order by Pack
	Logistics Accounting for Distribution Order Pre-Shippers & Distribution Order Shippers
	Modification of DO Receipt
Taxes	Taxes for Non-Inventory Shippers
	Transfer, Bulk Transfer, Issue Unplanned, Transfer Pack, Bulk Transfer Pack, Issue Unplanned Pack, DO Pre-Shippers, DO Receive Order and DO Receive Order by
Warehousing	Simulations for Picking Requests and Replenishment Requests
	Cycle Count
	Job & Task History Delete /Archives
	Advanced Inspections, Shortage Clearance
	Alternate Task Types
	Background Processing for picking & putaway actions
	DC Multi-task Putaway
	Batch picking and cluster picking for DO picking
	Additional Standard algorithms for picking
	DC cycle count
	Production Order picking
	Replenishment picking

7. **Deprecated Features**

This section lists the features and functionalities deprecated in QAD Adaptive. Deprecated features are no longer actively developed and will be phased out in future releases. Review this list carefully and plan accordingly by adopting alternative solutions or updated functionalities. For guidance on recommended alternatives and detailed transition information, please refer to the [QAD online help](#) documentation.

7.1. **Action Centers**

7.1.1. Logi Platform Services

Logi Platform Services (LogiPS) is no longer available starting with this QAD Adaptive release. As a result, QAD no longer supports the migration of analytics data directly from older releases such as March 2021, September 2021, March 2022, and September 2022, since LogiPS was required to perform the migration.

To upgrade from an older version, you must first migrate your analytics data to Adaptive ERP UX 2024. After completing this migration, you can then upgrade to the current QAD Adaptive release.

7.2. **QAD Enterprise Platform**

7.2.1. Server-Side TypeScript

Server-Side TypeScript is no longer supported starting with this QAD Adaptive release.

The platform is formally deprecating and removing support for Server-Side TypeScript as an extension tooling framework. This technology is replaced by the Java Extension Framework, which provides further capability.

7.3. **Enterprise Asset Management**

7.3.1. Indirect UM Conversions

The Indirect UM Conversions functionality has been removed. All conversions within EAM now point to the Base conversion service.

7.3.2. EAM Vendor

The EAM Vendor functionality is removed and replaced by the EE Supplier functionality. Files and reports that previously fetched information from the Vendor table now fetch information from the Supplier table instead.

8. Compatibility and System Requirements

This section outlines the compatibility considerations and minimum system requirements for implementing QAD Adaptive. Reviewing these specifications will help ensure a smooth upgrade or installation experience, optimal system performance, and seamless integration within your existing infrastructure. For detailed technical information and specific configuration guidelines, please refer to the [QAD online help](#) documentation.

8.1. Browser Compatibility

- The user interface is only supported on current versions of the Chrome, Safari, and Edge web browsers (Chrome 91+, Safari 12+, Edge 97). Although other web browsers can be used, you may experience differing levels of performance and user experience.
- To make sure you have the latest security updates, browsers can be updated automatically.

8.2. Server Operating System

- Minimum Version: RHEL 8.0
- Recommended: RHEL 8.0+
- Supported: RHEL 8.x

8.3. Database Requirements

- Cassandra: 5.0.4
- MongoDB: 4.2.28
- Postgres: 12.11

8.4. System and Runtime

- Progress OpenEdge: Minimum Version 12.8
- Oracle Java Runtime: Not Supported
- OpenJDK Runtime: 1.8.0_322 (8u322-b06), 11.0.5, 17.0.7
- Tomcat: 9.0.71
- Apache Web Server: 2.4.53

8.5. Frameworks and Libraries

- Logi Composer: 25.2.0
- Ionic Framework: 5.7.0
- Kendo UI: 2022.1.119
- AngularJS: 1.6.1
- TypeScript: 3.5.3
- Google V8 Engine: 7.2
- Spring Framework: 5.3
- Spring Security: 5.5.2

8.6. Programming Languages

- Python:
 - Minimum Version: 3.8
 - Supported: 3.8+

- Recommended: 3.12

- Node.js: 8.11.4

8.7. Data Processing

- Apache Spark: 3.5.5
- Nifi: 2.4.0
- Kafka: 3.9.1

8.8. Search and Analytics

- Elastic Search: 7.17.3
- Log Stash: 7.13.3
- Kibana: 7.13.3

8.9. Mobile and Cross-Platform

- Mobile Framework (Cordova): 10.0.0
- WINEHQ: 5

8.10. Tablets Supported

For tablet use, the user interface is only supported on iPad Pro (or newer equivalent) running iOS 11+. Although other tablets can be used, you may experience differing levels of performance and user experience.

8.11. Tablet Usage Guidelines

Note the following guidelines for using the Web UI on a touchscreen tablet.

Tablet Interaction Guidelines

- For tablet use, the user interface is only supported on iPad Pro (or newer equivalent). Although other tablets can be used, you may experience differing levels of performance and user experience.
- The QAD Web UI is optimized for landscape mode: most tablets in portrait mode are not quite wide enough to fit all of our fields and full menu.
- For data-entry tasks, an external keyboard is highly recommended.
- If using the tablet's virtual keyboard, consider using an alternative keyboard app for improved functionality and view area usage.
- If using the tablet's virtual keyboard, use the tablet's settings to make the keyboard smaller so that it does not cover too much of the view area.
- On some tablets, the virtual keyboard can obscure the view area, especially when used in landscape mode.
- On a tablet, QAD Web UI views do not offer a hybrid mode where you can simultaneously access browse and form data.
- Configuring views and stored views is best done on a larger desktop or laptop screen.
- Double-click actions are not supported on tablets.
- Hover events are not supported on tablets.

- The browse grouping (Group By) feature is not yet available for tablet use.
- The Design Layout mode for extending forms is not available on tablets. This feature requires more screen area and so is only available for laptop or desktop use.

Note: Although the Surface Pro has a touchscreen, the Web UI works on the Surface Pro as it does with regular laptop and desktop devices. These interaction guidelines do not apply to the Surface Pro.

Note: Windows can automatically scale displays by 150% for high-resolution screens. For best results, change the automatic 150% scaling factor to be from 125% to 100%.

8.12. Tablet Performance Guidelines

On a tablet, for performance reasons, open no more than five levels deep of drill-down modal dialogs. If you need to drill down more than five levels deep, open the next drill-down modal dialog in a new browser tab.

For high-speed broadband connection performance, the following is recommended:

- Minimum download speed 16 mbps
- Maximum latency 150 ms

8.13. Mobile App

Adaptive includes not only the Web UI but also the QAD Adaptive mobile app. This app is available on Apple App Store and Google Play App Store. With the mobile app, you can access QAD Adaptive from your mobile device. For more information on how to configure and use the mobile app, see the mobile app [online help](#).

9. Installation and Upgrade Instructions

QAD Adaptive is delivered as a service pack and can be installed in place for supported environments. This section outlines important considerations for customers planning to install or upgrade to this release.

9.1. Supported Upgrade Paths

- Customers on QAD Enterprise Edition 2022 or Adaptive ERP 2024 can install this service pack directly. Those on earlier releases (for example, 2021EE or OE11-based environments) must first upgrade to EE 2022 before installing this service pack.

9.2. System Requirements

- OpenEdge Database: OpenEdge 12.8.9 or later is mandatory. OpenEdge 11 is no longer supported.
- Java Runtime: Only OpenJDK is supported.
 - Java 17 (17.0.7) – default runtime
 - Java 11 (11.0.5) – used for Logi Composer
 - Java 21 (21.0.7) – used for NiFi 2.4
- Python Version 3.12.1 is required with SSL certificate configuration.
- Operating System: RHEL 8 with Podman 4.9 + podman-compose 1.0.6 installed.
- Disk Space: A minimum of 25 GB free space is recommended for installation; 5 GB of temporary space is required.
- Firewall Requirement: Open outbound port 443 to the domains docker.io (container image registry) and datadoghq.eu (telemetry and monitoring) to enable component downloads and metric reporting.

9.3. Pre-Installation Requirements

- Ensure the YAB tool is updated to version 1.19 (or later) before running the service pack update. This ensures compatibility and smooth execution of the upgrade commands.
- Verify that ZeroMQ is installed (used by Process Scheduler).
- Allow access to DigiCert timestamp server and configure SSL trusted DNS properly (to avoid code-signing issues).

9.4. Required Patches

- Operational Patch: Minimum mfg-patch-2022.0.22.24 is required.
- NetUI Patch: Minimum netui-cumulative-3.8.16.2 is required.
- To ensure base alignment, apply both before initiating the Adaptive update.

9.5. Application Compatibility

The following table lists the minimum required application versions compatible with QAD Adaptive. Ensure all listed applications are updated to the specified versions or later before performing the upgrade.

Application	Version
EAM (Enterprise Asset Management)	20171 (13.1)
Production Orders	3.2.15 or higher (includes MSW/PSW 4.4.0.x)
Production Execution	4.2 or higher (certification pending)
CM Reports (CMR)	2.3.0.24
Configurator	5.12.11 or higher
Customer Management Dashboards	2.0.1.0
Customer Relationship Management (CRM)	2022 EE
Customer Self Service (CSS)	5.6.7
Field Service Scheduler (FSS)	3.4.1
Mobile Field Service (MFS)	3.9.2
DSCP	2022 EE
Autosol	1.0
EQMS	2025
Manufacturing Dashboards	1.1.0.1
MFG Reports (MRC)	1.8.0.12
Production Orders	2022 EE
Enterprise Asset Management Dashboard	2022 EE
Serialization, Lot Attributes and Quality	2022 EE
Alerts (Workflow)	2022 EE
Business Process Management (BPM)	2.4.1
Qxtend Excelerator	2022 EE

Application	Version
QAD Enterprise Platform	2022 EE
QAD Adaptive ERP Mobile (for Adaptive UX)	2.1.0
Supplier Relationship Management (SRM)	2022 EE
Global Requisition System Mobile (GRS)	1.0.0.11
Demand and Delivery	8.0
Integrated Customization Toolkit (ICT)	4.1.23

9.6. Upgrade Considerations

- Extension Apps: Export any in-development Extension Apps before upgrading. Ensure that they are OE12-compatible before migration.
- Licensing: Ensure that a valid PLA (Analytics) license is registered for all Action Center users.
- NiFi Upgrade: The release upgrades NiFi to 2.4. Complete or pause background processes before upgrading to avoid the loss of in-progress tasks.
- Logi Platform Services (LPS): LPS migration is no longer included. Install AUX 2024 before performing LPS migration if required.
- Guide Me (WalkMe) configuration is now mandatory for Cloud installations.
- Third-Party Integrations: Review and recompile any external or custom applications that directly connect to the QAD database. This approach ensures compatibility with updated schemas introduced in QAD Adaptive.
- Action Center KPIs: After the upgrade, newly delivered KPIs are set to Inactive by default. Activate the required KPIs using the Assign Domains & Entities bulk action in the Action Center interface.
- Roles, Menus, and Permissions: Reexport security configuration data (Roles, Menus, Permissions) after upgrading from AUX 2024 to remove obsolete XML entries and align with the Adaptive configuration model.
- Post-Upgrade Log Review: After completing the upgrade, submit key AppServer logs to the BWC Task Force Team at bwc_task_force_team@qad.com for validation of conversion and compatibility results.
- Unconverted Customizations: The BWC team may provide manual instructions for business logic or customizations that cannot be automatically converted during the upgrade.

9.7. QRF on Linux Support

QAD Adaptive now supports running the QAD Reporting Framework (QRF) on Linux systems using Wine. Ensure the following prerequisites are met before installation or upgrade:

- Wine and Xvfb: Install Wine 5 and Xvfb (X Virtual Framebuffer) on the Linux host. These components are required to run the Windows-based reporting engine in headless mode.
- Dedicated Service User: Create a dedicated Linux user and group for QRF processes (for example, wine:wineusers) to improve security and isolate report execution from other system users.

9.8. Support and Services

All technical installation and upgrade activities are coordinated through QAD Services. Customers seeking help with implementation, installation, or upgrades can access:

- qad.com/services for implementation services.
- qad.com/services/qad-elevate for upgrade support.

10. Integration Updates

This section outlines key updates to integration functionality introduced in Adaptive. Reviewing these changes will help you understand their impact on the overall integration landscape, ensure a smooth transition, and support the efficient adoption of enhanced integration capabilities.

10.1. Business Events

This release introduces a new mechanism to run Business Events, along with a new set of Business Events in Adaptive. Business Events provide notifications containing embedded data when specific business actions occur within Adaptive.

- Use the Business Events and Business Events Data browses to review, activate, and manage available events.
- Business Events references are available in the Business Events browse in Adaptive.
- For detailed information to configure business events and control integration within Adaptive, refer to the [Business Events User Guide](#).

10.2. Business Document and Business Service APIs

This release expands API support in Adaptive, providing standardized interfaces for external applications to exchange data and perform business operations.

- External applications integrated with Adaptive can use Business Document APIs to exchange complete business documents.
- Business Service APIs allow external applications to invoke Adaptive business logic.
- API references are available in the Business Document API Documentation and the Business Service API Documentation browse in Adaptive.

10.3. Standard Integrations

This section provides an overview of the new Standard Integrations between Adaptive and other applications. These enhancements are designed to improve interoperability, streamline workflows, and ensure more reliable data exchange across connected systems.

Standard Integrations run on the Integration Platform. Although they are not part of Adaptive, they are designed to connect seamlessly with it.

For a complete list of changes and detailed guidance on how to leverage these updates, please refer to the [QAD Integration Platform Online Help](#).

Integration Set	Integration Flow	Source Application	Target Application	Summary
Adaptive - Advanced Scheduling	Item Site Data Synchronization	QAD Adaptive	QAD Advanced Scheduling	Synchronizes Item Site Data between Adaptive and Advanced Scheduling.
	BOM Data Synchronization	QAD Adaptive	QAD Advanced Scheduling	Synchronizes Bill of Materials (Product Structure) between Adaptive and Advanced Scheduling.
	Production Line Data Synchronization	QAD Adaptive	QAD Advanced Scheduling	Synchronizes Production Line configuration between Adaptive and Advanced Scheduling.
	Production Line Item Data Synchronization	QAD Adaptive	QAD Advanced Scheduling	Synchronizes Item Production Line configuration between Adaptive and Advanced Scheduling.
	Inventory Availability Snapshot	QAD Adaptive	QAD Advanced Scheduling	Provides Advanced Scheduling with a snapshot of inventory availability (finished goods and components).
	Supply Demand Snapshot	QAD Adaptive	QAD Advanced Scheduling	Provides Advanced Scheduling with a snapshot of consolidated supply/demand (MRP).
	Production Order Snapshot	QAD Adaptive	QAD Advanced Scheduling	Provides Advanced Scheduling with a snapshot of Production Orders requiring scheduling.
	Scheduled Production Orders	QAD Advanced Scheduling	QAD Adaptive	Updates Adaptive with the production schedule created in Advanced Scheduling.
Adaptive - SRM	Supplier Transfer	QAD SRM	QAD Adaptive	Transfers supplier data from SRM to Adaptive.
	SRM Supplier Transfer	QAD Adaptive	QAD SRM	Transfers supplier data from Adaptive to SRM.

Integration Set	Integration Flow	Source Application	Target Application	Summary
	Sourcing Request	QAD Adaptive	QAD SRM	Transfers sourcing requests (creation and cancellation) from Adaptive to SRM.
	Award Decision	QAD SRM	QAD Adaptive	Transfers award decisions from SRM to Adaptive (including awards to multiple suppliers).
	Supplier Performance Ratings	QAD Adaptive	QAD SRM	Sends supplier performance ratings from Adaptive to SRM.
Adaptive - Redzone	Manufacturing Items	QAD Adaptive	QAD Redzone	Synchronizes Manufacturing Items.
	Unit Conversions	QAD Adaptive	QAD Redzone	Synchronizes Unit Conversions.
	Production Orders	QAD Adaptive	QAD Redzone	Synchronizes Released Production Orders.
	Production Declaration	QAD Redzone	QAD Adaptive	Sends Production Order Declarations created in Redzone to Adaptive.
Adaptive - Process Intelligence	Account Payable Analysis	QAD Adaptive	QAD Process Intelligence	Provides Process Intelligence with Accounts Payable data for monitoring efficiency.
	Plant Maintenance Analysis	QAD Adaptive	QAD Process Intelligence	Provides Process Intelligence with Plant Maintenance data for monitoring efficiency.
	Production Analysis	QAD Adaptive	QAD Process Intelligence	Provides Process Intelligence with Production data for monitoring efficiency.
	Order to Cash Analysis	QAD Adaptive	QAD Process Intelligence	Provides Process Intelligence with Order-to-Cash data for monitoring efficiency.
Adaptive - GTTE	Shipment	QAD Adaptive	QAD GTTE	Creates and processes shipments in GTTE using Adaptive data.

Integration Set	Integration Flow	Source Application	Target Application	Summary
	Shipment Update & Confirmation	QAD GTTE	QAD Adaptive	Sends freight costs, transport mode, and shipper confirmation from GTTE to Adaptive.
	SO Transactions	QAD Adaptive	QAD GTTE	Validates sales/scheduled orders from Adaptive in GTTE.
Adaptive - SAP Financial Consolidation	Trial Balance Snapshot	QAD Adaptive	SAP Financial Consolidation	Provides SAP with a Trial Balance snapshot.

10.4. Integration Platform Setup

Use the Integration Platform Setup browse in Adaptive to configure connectivity and platform-level integration with the Integration Platform. For detailed configuration steps, refer to the [Business Events User Guide](#).

10.5. Cloud Printing: Vasion Print

QAD introduces Vasion Print as a third-party solution for printer management and cloud printing. The Vasion Print solution provides several key benefits:

- **Customer Self-Service:** Customers can independently add and manage printers, reducing dependency on QAD support.
- **Centralized and Serverless Printer Management:** All printers can be managed from a single portal, eliminating the need for dedicated print servers.
- **Secure and Reliable Cloud-Based Printing:** Print jobs are securely transmitted through the cloud, ensuring data integrity and access from any location.
- **Streamlined Administration for Adding and Managing Printers:** Customers can quickly add, update, or remove printers, as well as modify printer settings without requiring QAD support.
- **Enhanced User Experience:** Vasion Print delivers a smoother and more efficient printing process for customers by providing faster access to printers, fewer setup steps, and more reliable print jobs, reducing errors and delays.
- **No VPN Requirement:** Vasion Print eliminates the need for a VPN, enabling secure backend printing from QAD cloud servers to printers on the customer's local network.

Note: Vasion Print is designed exclusively for backend printing—such as automated print jobs from QAD servers—and does not manage frontend printing, where a user prints directly to a local printer.

With the QAD Adaptive integration, customers do not need to upload any printer drivers. The Vasion cloud server securely manages the connection between the QAD server and the customer's printer.

For more information about implementing Vasion Print for printer management and cloud printing, see [QAD Adaptive Implementation Guide: Cloud Printing: Vasion Print Setup](#) section.

11. Documentation Updates

The documentation for QAD Adaptive has been updated to reflect the latest features and enhancements included in this release. For complete and up-to-date information, including new topics, revised procedures, and the latest user guides, refer to the [QAD Adaptive Online Help](#) and [QAD Document Library](#).

11.1. Information on Prior Releases

The [QAD Document Library](#) offers a complete set of all QAD user guides, training guides, and other materials.

12. Contact Information and Support

You can contact the QAD Support team for assistance with QAD Adaptive. The team is available to help with troubleshooting, technical guidance, and product-related questions.

- Support Portal: <https://www.qad.com/global-support-resources>
- Immediate Assistance: For urgent issues or production system outages, contact your nearest QAD support location: <https://projects.qad.com/plugins/servlet/desk/category/contact-support>
- General Inquiries: For questions about QAD products and services not related to support, call +1 805 566 6100 or visit www.qad.com.