



Digital Commerce Release Notes

QAD Adaptive Applications

Version 19.0.5

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Overview

QAD is pleased to present the most recent developments in QAD Digital Commerce, which include a number of significant improvements aimed at improving your experience.

In this release, critical compliance updates for SOC 2 and PCI standards have been implemented, ensuring your operations remain secure and aligned with industry best practices.

This release also includes several new features, along with major technology upgrades and significant performance and security enhancements to strengthen system reliability, protect user data, and optimize efficiency, further improving the overall usability and responsiveness of Digital Commerce.

These release notes include information about the latest updates made to Digital Commerce. The updates consist of new functionality, enhancements to existing functionality, and fixes.

Review this document before proceeding with any phase of implementation.

New Features

Import Orders from FTP

Administrators can now import orders from the FTP site and automate the process. A new business rule, Order History Import, is now available on the Rules screen. This rule allows the administrators to set up and schedule it to run at regular intervals, such as every day at midnight.

When the rule runs, it retrieves the excel file from the FTP location and imports the new orders into the Digital Commerce website. After the import, administrators can view the orders from the Orders option in the top menu, while users can access the orders on the View Order History/Status screen or the View All Account Orders screen.

This new feature streamlines the order import process, reducing manual effort.

Customer Invoice

A new checkbox, Backordered Inventory Column on Invoice, is now available in the Common Store Options in the administrator settings. This checkbox allows administrators to control if customers see backordered inventory information on their invoices.

Selecting the checkbox displays the Low Inventory column, and clearing it hides the column from customer invoices.

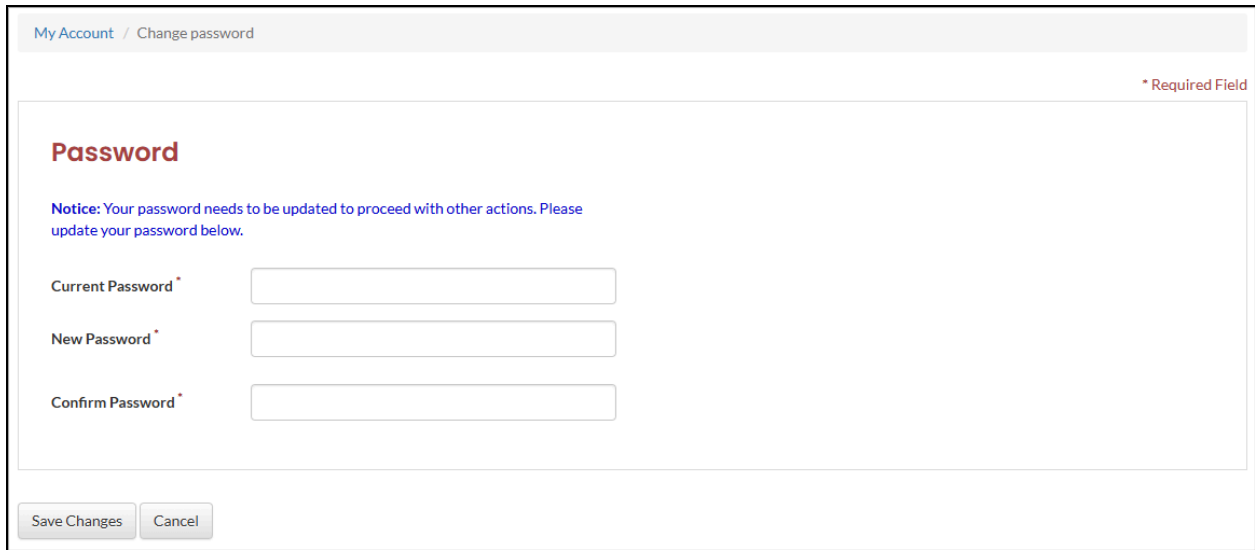
Force Password Change for Customers and Sales Representatives

Two new checkboxes, Customer and Sales Rep, are now available in the Force Password Change section of the administrator settings. These checkboxes allow the administrators to force the password change process for customers and sales representatives users.

When selected, users are redirected to the Password screen, where they must update their password before they can access any feature within the Digital Commerce website.

Fig. 1

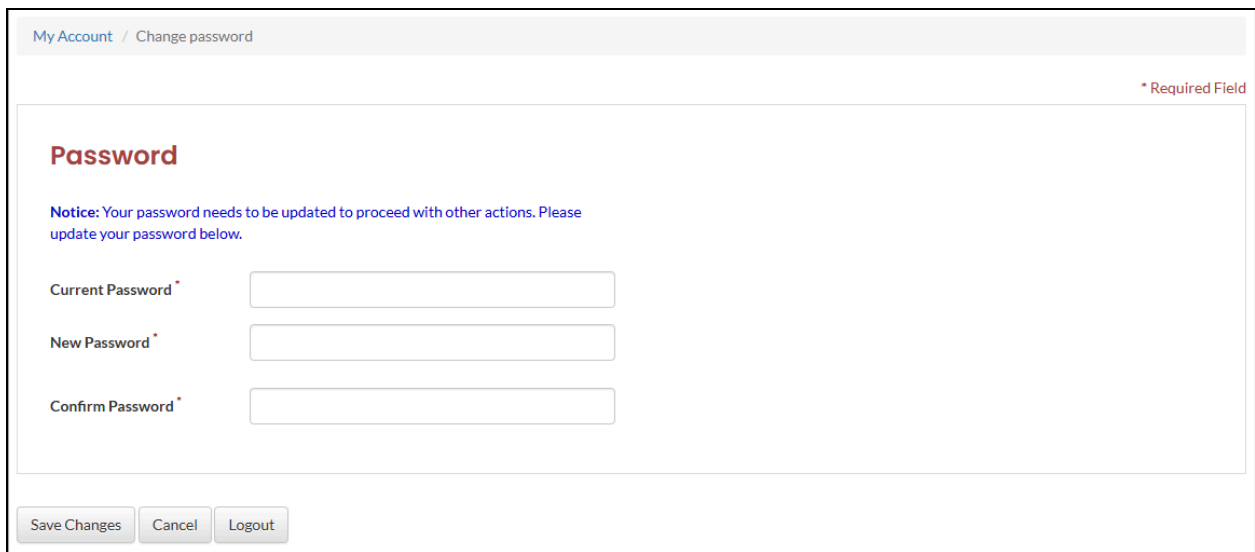
Customer Change Password Screen



The screenshot shows the 'Customer Change Password Screen'. At the top, a breadcrumb trail reads 'My Account / Change password'. In the top right corner, there is a red asterisk and the text '* Required Field'. The main heading is 'Password' in bold. Below it, a blue notice states: 'Notice: Your password needs to be updated to proceed with other actions. Please update your password below.' There are three input fields: 'Current Password *', 'New Password *', and 'Confirm Password *'. At the bottom, there are two buttons: 'Save Changes' and 'Cancel'.

Fig. 2

Sales Representatives Change Password Screen



The screenshot shows the 'Sales Representatives Change Password Screen'. It has the same breadcrumb trail 'My Account / Change password' and the '* Required Field' indicator. The heading is 'Password'. The blue notice is identical: 'Notice: Your password needs to be updated to proceed with other actions. Please update your password below.' There are three input fields: 'Current Password *', 'New Password *', and 'Confirm Password *'. At the bottom, there are three buttons: 'Save Changes', 'Cancel', and 'Logout'.

Integration with Auth0 Identity Provider (IdP)

A new authentication service has been implemented, integrating with Auth0 as the primary Identity Provider (IdP) to enhance authentication for administrators. The service is designed to be flexible, allowing easy integration with other IDPs in the future.

This service is decoupled from the Digital Commerce website, making it adaptable to new authentication providers as needed. By using Auth0 and other trusted IdPs, user authentication is securely managed, taking advantage of the strong security measures these platforms offer.

This approach improves security while providing the flexibility to expand authentication options in the future.

New Credit Card Payment Option

The Online Credit Card Billing System in the administration settings now includes Authorize.net Hosted Form as a new payment option. Authorize.net hosted form is a mobile-optimized, fully hosted payment form that allows the Digital Commerce website to accept payments while maintaining SAQ-A level PCI compliance. This feature provides customers with enhanced payment security and reduces the risk of data breaches.

Note: This feature is available only on request. For more information, contact your account manager or create a support ticket.

Enhancements and Changes

Technology Upgrades

In this release, the following upgrades have been applied to the Digital Commerce website:

- Apache Tomcat has been upgraded to version 9.
- The Java Development Kit (JDK) has been upgraded to version 17.
- In June 2024, the Digital Commerce website added support for UPS 2.0 APIs.

Enhanced Application Security and Performance

As part of this release, significant upgrades have been implemented to enhance the security, stability, and performance of the Digital Commerce website. These improvements strengthen the infrastructure and help ensure that the site remains reliable and protected.

Key Highlights

- **Proactive Vulnerability Management:** An automated security scanning process reviews every build before it is deployed. It aids in the detection and addressing of any potential security vulnerabilities early in the release cycle, ensuring that only secure and verified code reaches production.
- **Cloudflare Integration for Web Protection and Speed:** The Digital Commerce website now benefits from Cloudflare's global edge network, which helps protect against malicious web attacks, such as DDoS and data injection attempts, while improving overall site performance through intelligent caching and traffic routing. Cloudflare also provides a real-time defense layer that continuously monitors and mitigates potential threats, offering stronger protection for storefronts.

- **Continuous Security Monitoring:** In addition to the new build-time scans, the systems now perform ongoing monitoring to ensure that any new vulnerabilities in third-party libraries or dependencies are detected and addressed swiftly.
- **Improved Platform Resilience and Response Handling:** As part of the Cloudflare implementation, we have made targeted code-level optimizations in certain areas—for example, export and import operations and response handling—to improve reliability and speed during high-load conditions.
- **Assurance of a Safer Release:** This release also includes security updates that were identified during pre-deployment scans, ensuring that your platform benefits from the latest patches and protections.

Product File Export Feature Enhancements

This release introduces significant enhancements to the product file export functionality. It introduces real-time progress updates and critical fixes for export issues.

Previous Behaviour

Users previously experienced several issues with product exports:

- The export progress status did not update in real time, making it difficult to track actual progress.
- Large Excel file exports often took a long time to complete, and the progress status remained stuck at 5%, creating uncertainty about completion.
- Attempting to open downloaded files sometimes caused the site to crash, resulting in 524 system timeout errors.

Key Improvements

This release introduces the following key improvements:

- **Real-Time Progress Updates:** The system now displays real-time progress status, providing users with clear, accurate status information throughout the export process.
- **Improved Handling of Large Files:** The export feature now handles large files more reliably without failures and tracks progress accurately.
- **Enhanced System Stability:** Exported Excel and CSV files no longer cause site crashes when opened.
- **Faster Export Completion:** Export jobs now complete in approximately six minutes.

Enhanced Password Security for All User Types

Password security has been enhanced for all users, by implementing stronger passwords, login attempt limits and other safeguards, significantly improving the protection of user credentials against modern attacks and ensuring the integrity and safety of the Digital Commerce website. This update

also applies to access users, API access users, customers, sales representative users and administrators.

As part of this enhancement, the existing users are prompted to change their password upon logging in with their old password. They are redirected to the Password screen, where they must update their password before they can access any feature within the Digital Commerce website.

For customers and sales representative users, administrators have the ability to force password changes when they are ready. This is done by selecting the Customer and Sales Rep checkboxes in the Force Password Change section of the administrator settings. Selecting these checkboxes requires users to change their passwords upon their next login.

Add SKUs in Responsive Admin

Administrators can now add new SKUs on the Purchase Order > List screen in New Admin (Responsive Admin). This feature, previously available only in the legacy admin, is now fully functional in the responsive version, making it easier to manage SKUs across all devices.

Enhanced Security Validation

This release introduces the following security updates and validation checks to improve system integrity and protect user data:

- The checkout process now includes security checks to validate shipping and payment selections, preventing users from choosing invalid options and ensuring a more secure and reliable checkout experience.
- Payments processed through NVP-based gateways such as AliPay, PayPal, eBillMe, and AmazonPay are now verified by checking payment amounts, ensuring accuracy, and preventing unauthorized changes.
- Card activation is now verified prior to order submission, preventing the use of inactive cards and ensuring proper payment processing.
- Customer support tickets now block potentially problematic characters in the Subject field, addressing a potential security issue.

Website Security Scan Updates

Recent scans of the Digital Commerce website identified several areas requiring enhanced protection. Security updates have been implemented to protect user data, strengthen group functionality and customer support ticket functionality, prevent unauthorized redirects and cross-site request forgery (CSRF) attacks, and mitigate cross-site scripting (XSS) risks across the site.

Fixed Issues

A number of issues have been resolved in this Digital Commerce release:

- An issue where carts with over 200 items took a long time to load and caused timeout errors on the Checkout screen has been resolved.
- An issue where users were unable to export product files and received a system error message has been resolved.
- An issue where administrators could not use the Quantity range (min, max) fields when adding items to a sales order, which caused no results to be returned has been resolved.
- An issue where the administrator Login screen took a long time to load has been resolved. Load time has now been reduced from four minutes to one second.
- An issue where product reviews did not load when clicking the Review link has been resolved.
- An issue in the Abandoned Cart report where the Total Amount column displayed \$0.00 for some customers has been resolved. This issue occurred when customers in a non-multistore setup navigated directly to the Checkout screen after adding products, bypassing the View Cart screen.
- Previously, payments made using the Pay Bill > Charge Card option from the View My Order History/Status screen were authorized but not marked as chargeable by the system, causing orders to show a zero balance and preventing payment capture. This issue has been resolved. Authorized cards are now correctly marked as chargeable, allowing successful payment capture from the Administration Console.