



Disclaimer

	<p>This file contains release announcements prior to the year 2023. It's only for reference purposes, deprecated links and images were removed.</p>	
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2022

Sally Ride Release v4.60¶

Release Date - February 15, 2022

TRAILBLAZING FIRST YOUNGEST AMERICAN WOMAN IN SPACE

Sally Ride was an American astronaut, physicist and tennis player. She was the first American woman to fly in space.

Ride cofounded Sally Ride Science in 2001 along with Dr. Tam O’Shaughnessy, Dr. Karen Flammer, and two like-minded friends to inspire young people in STEM (science, technology, engineering, and math) and to promote STEM literacy. Their goal is to motivate more students—especially girls and minorities—to stick with STEM as they go through school.

After retiring from NASA, Sally became a physics professor at the University of California, San Diego, and, with O’Shaughnessy, an award-winning writer of science books for children.

Sally served as CEO of the company until her death on July 23, 2012, after a 17-month battle with pancreatic cancer.

In November 2013, Sally was posthumously awarded the Presidential Medal of Freedom in a White House ceremony.

“The thing that I’ll remember most about the flight is that it was fun. In fact, I’m sure it was the most fun I’ll ever have in my life.” – *Sally*

New Features¶

With our first release of 2022 we are excited to share new features, functionality and modules that are available from today on Fluent Order Management, including:

- Fluent Single Sign-On
- The new Fluent OMS Web App (successor to Console)
- Updates to our UX Framework and Fluent Store
- A new Global Inventory Module

Single Sign-On

Single Sign-On (SSO) is a session and user authentication module that gives users the ability to sign in to Fluent once with a single set of credentials, gaining access to multiple fluent applications.

 **Watch** our Product Manager, Mila provide a 5-minute overview of SSO here

 **Read** an overview of Fluent SSO features , Configuration and User guides.

Note

Ping Identity's PingOne platform powers Fluent SSO. If you require more information about Ping Identity and how it will be processing personal data, please contact your Client Success representative.

Fluent OMS

Fluent OMS is cloud based web application built on Fluent's UX Framework. Fluent OMS is a successor Admin Console, providing a better user experience to view and manage orders and perform business operations.


- Customisable and Extendable - Tailor the Order Management Experience to fit your business
- Improved User Experience with better designs and usability
- Configuration for Separate Modules which makes it much easier to identify where to make a change


- Revised Event Search with new filters
- Single Sign-On enabled

With Fluent OMS, Fragment Manifests are created for every module giving you the flexibility to only add and configure a module that's required for your business use case.

 **Read** about all Fluent OMS Web App features here.

 **Watch** our Product Manager, Mila demonstrate OMS overview and OMS demo here.

 **Implement** and Configure Fluent OMS with our OMS setup guide here.

 **Transform** v1.0 manifests (Console) into the new v2.0 (Fluent OMS) version using the OMS Guide here.

Global Inventory Module

We are excited to release a revised Global Inventory Module. This is a Fluent developed Module providing a standard, out-of-the-box inventory implementation which is available for all Fluent accounts to use, customize and extend. Features include:

- Efficient inventory data ingestion & processing
- Real-time visibility of Stock On Hand, Available to Sell and Available to Promise inventory to be used on sales channels and for order sourcing & allocation
- Fulfillment inventory management, Virtual Catalogue management & Control management

The Global Inventory Module features a new plugin and new base workflows, all of which are versioned. We will continue to add functionality and enhancements to this module.

 **Read** about the features of the Global Inventory Module here.

 **Implement** the Global Inventory Module with our getting started guide here.

Fluent Store

- **USB Barcode Scanner Component**

We have added a new Store component that allows users to utilize a USB barcode scanner to

navigate or perform user actions.

Documentation for this component is available here.

- **Custom printable Pick List**


A new setting, `PICK_N_PACK_CUSTOM_PICK_LIST` has been added to enable Users to create custom printable pick lists to aid the picking process. Users will be able to edit both the HTML template and define which fields are exposed.


For more information check Custom Printable Pick List Setting.

- **Display product attributes**

We have added a new Pick List field. The Pick List field acts as an expandable table and allows Users to display additional attributes or embed other components at a picking line level.

Further information about this setting can be found here.

 **Watch** our Product Manager, Matt demonstrate the Fluent Store Pick and Pack functionality.

 **Watch** our Product Manager, Neha demonstrate how to Enable (for ServicePoint/Fluent Store users) and Configure Fluent Store.

OMX UX Framework Updates

- **JSON Component added**

A new component is now added to display data in JSON format.

For more information, see here.

- **JSON Editor Component added**

A new content component is now added to edit data in JSON format

Read more about the component here.

- **Date Range Component added**

A new date range field component is introduced, which displays two calendar components: the current month and the next month. This component can be used with any date filter.

Read more about the component here.

- **Events Drawer Component added**

A new event drawer component adds new behavior to events. Every event will be opened in a drawer so a user won't lose search results.

Further information is available here.

- **Add Item Dialogue Component added**

A new add item component is added which displays the product items in a modal window.

Read more about the component here.

- **Attribute Column Component added**

A new attribute content component is added which gives an option to apply different styles to multi-line data represented in a cell of **fc.list component**.

More information is available here.

Enhancements¶

Fluent Store Enhancements¶

- **Single Sign-On is now enabled**

A new Single Sign-On feature has now been enabled for Fluent Store users.

- **Updated Store Carrier Collections page to show status icons**

Added indicators for `IN PROGRESS`, `SUCCESSFUL`, and `FAILED` carrier bookings on the carrier collections and dispatch screens. This functionality can be enabled using the default Carrier Collections manifest for Fluent Store.

Further information is available here

- **Updated pick screen to show picked and rejected item summary**

On the Pick screen in the Fluent Store Wizard, Users will now be able to see a summarized view of picked and rejected items to be reviewed and confirmed before moving on to packing

- **Updated pick quantity selector**

On the picking screen, the quantity selector will start at the total amount of items required. Previously, this selector would start at 0 items picked.

Bug Fixes¶

Fluent Store Fixes¶

- **Navigation issue fixes**

- Fixed an issue where Users weren't being directed back to the Collections page after marking an Article as collected

- Fixed an issue where Users weren't being directed back to the home screen after completing a wave

OMX UX Framework Fixes¶

- **Bulk actions does not appear on the List Component** when the data source is a GraphQL alias.

Peggy Whitson Release v4.61

Release Date - April 19, 2022

This release is named after **Peggy Whitson** the legendary NASA chief astronaut.

New Features


Fluent Store 

Multi-Parcel in Fluent Store

Manage multiple parcels in a single fulfilment during the packing process. Via Settings, enable Multi-Parcel and configure preset dimensions, weights and validation for parcel types allowing in-store users to:

- Enable a fulfilment to be shipped in multiple parcels during Wave Dispatch
- Choose from preset or custom parcel dimensions and weight

As part of this change, we have an update to the terminology: Articles are now called Parcels.

 Get started with Multi-Parcel in Fluent Store.

 To learn about Multi-Parcel click here.

Global Inventory Module 

We are releasing the first minor version enhancement of the Global Inventory Module with version 1.1. This includes:

- Full Product Catalogue support

- Upsert functionality for creation of Standard Products, Variant Products and Categories
- Multi-retailer connectivity for Product Catalogues

 Read about all V1.1 features or implement the Global Inventory Module.

Fluent OMS [¶](#)

View Order Items in a Drawer

You can now view Order Items quickly on the OMS UI in a side drawer, removing the need to go to a new page.

 Read about the new Drawer Component.

OMX UX Framework Updates [¶](#)

New Custom Configuration for Order Revision

A Order Revision JSON setting has been added to specify what `VariantProduct` entities are displayed in the `Add Item` dialog.

Extended Column Component

A new `minListSize` property extends the Attribute Column Component with "More" or "Less" buttons. The Property allows you to set the minimum number of items visible in the column list.

Event Search UI Improvement

Enhancements to Event Search results, enable Fluent OMS web app to display Event ID and Event Name.

Context and Value settings fields can now be dropdowns

New Settings Configuration replaces text fields with contextual dropdowns.

Date Range Filter Component

The configure Date and Time Range Component now allows filtering orders by future date.

Anna Lee Fisher Release v4.62

Release Date - May 17, 2022

This release is named after **Anna Lee Fisher** the legendary NASA astronaut, who was also known as the first mother in space.

Our focus on providing an intuitive user experience with greater flexibility and extensibility continues in our May Release with:


- **Returns** functionality in **Fluent OMS** and **Fluent Store Web Apps** to support your business operations.
- Enhancements to the **Fluent UX Framework**.
- **Connector Contracts** to ease the integration with your commerce ecosystem.

New Features

Returns in Fluent Store and Fluent OMS

The new Returns module will facilitate customer returns in **Fluent Store** and **Fluent OMS Web Apps**.

- **Create a return** with a configurable reason, item condition, and optional comment.
- **Review** and **approve** returns for completed Sales Orders.

 Get started with the Returns Module.

 Watch our Product Manager, Matt demonstrate the Returns in Fluent Store.

Returns in Fluent Store

Returns in Fluent OMS

[Fluent Store](#)

Auto-Refresh added to Waves

Fluent Store will now automatically refresh every 10 seconds with new data, as the auto-refresh component was added to the Waves fragment.

Picking Screen Quantity Selector Configurability

The Quantity Selector on the Pick List component can now be configured to start at 0 or the maximum requested amount. By default, the picking quantity will now start at 0. Read more about configuring the picking list.

[Fluent Connector Contracts](#)

We are excited to release Fluent's recommended events and webhook patterns, designed to help you build consistent, best-practice integrations with your broader ecosystem.

The four connector contracts now available to integrate with third-party systems are:

- **Order** Connector Contract patterns can be used to orchestrate an orders lifecycle from order creation to shipment.
- **Product** Connector Contract patterns can be used to load products and categories.
- **Location** Connector Contract patterns can be used to create/update locations in Fluent OMS and notify eCommerce platforms or marketplaces.
- **Payment** Connector Contract patterns can be used to integrate with payment service providers.

 A complete overview of Connector Contracts are available on Lingo.

[Adobe Connector Upgrades](#)

Fluent's Adobe Commerce Connector has been enhanced to provide direct integration with the Adobe Commerce core platform enabling scalability and extensibility. Updates to the Connector include:


- **Support for multi-retailer Fluent configuration** within the same Adobe Commerce instance.
- **Improved logging** dashboard.
- **Configurable order status mapping** and enhanced control over sync frequency for inventory, product and location master data.
- **New extension framework**, giving you the ability to override default logic at an individual entity level and keep out of the box implementation as required, reducing the integration time.


 Adobe Connector Configuration and Extension Guides are available now.

Migrate to Fluent OMS and Fluent Store Web Apps 

We have helpful guides to migrate easily from *Console* and *ServicePoint* to **Fluent OMS** and **Fluent Store Web Apps**. Enable your team with Fluent's innovative and intuitive Order Management Experience.

 **Implement** and **Configure** Fluent OMS with our Fluent OMS setup guide.

 **Transform** v1.0 manifests (Console) into v2.0 (Fluent OMS) using the OMS guide here.

 **Watch** our Product Manager, Neha demonstrate how to enable (for ServicePoint users) and configure Fluent Store.

Bobbie Johnson Release v4.63

Release Date - June 16, 2022

This release is named after **Barbara Crawford Johnson** the legendary NASA astronaut, she was the one woman in NASA's engineering team that participated in arrival on the Moon.

Manage Payment Methods, new OMX Web App experiences & SSO integration via Okta

New Features¶

Easily Manage Payment Methods¶

The Financial Transaction data model now allows Payment Method and Payment Provider configuration via Account Settings. Customize logic within workflows to trigger custom events to execute card, payment method, or provider-specific logic or returns requirements.

For example, you could alert store associates that a pickup order requires cash payment.

Two new settings are now available for configuring Financial Transactions:


PAYMENT.PROVIDER – Accepts a JSON array of all your payment providers

PAYMENT.METHOD – Accepts a JSON array of all your payment methods (including what type of card is used)

Fluent OMS Web App: New Features¶

View more orders on a single page¶

You can now view more orders on a single page with a Compressed View. End-users can toggle between Standard and Compressed views when in Fluent OMS.

 **Configure** the order view with the new density parameter using the List Component Lingo guide.

Select User Type¶

The User Type field has been upgraded to a drop-down. Users can select the user type instead of manually entering it.

 Follow the User Create and Edit Guides on Lingo for further detail.

Enhanced Event Search Experience¶

All events will now be automatically displayed when a user goes to the Event Search page. In the previous version, users were required to click “Search” button first.

A loading icon indicates a search query is taking place, and events will display on completion.

Single Sign-On Authentication via Okta [¶](#)

 Configure Okta as an Identity Provider with our SSO Integration guide.

Enhancements [¶](#)

Fluent Store: New Enhancements [¶](#)

Configure Multiple Parcels per Item [¶](#)

You can configure the Multi-Parcel component so that the number of parcels can exceed the number of items in the Fulfilment, allowing you to send a single SKU in multiple packages.

UX Framework [¶](#)

Activity Component extended [¶](#)

The Activity Component has been extended with a property `showChildEntities`. This configuration allows you to determine what events you want to see in more detail. For example, you can enable additional records for `BILLING_ACCOUNT` and `INVENTORY_CATALOGUE` and reduce the number of records for `PRODUCT_CATALOGUE`.

New languages supported in the JSON Editor [¶](#)

The JSON Editor Component supports three new languages: Spanish, French, and Italian. English remains a default for any unsupported language.

Attribute Card Component now supports word wrapping [¶](#)

The Attribute Card Component supports word wrapping and will now show long text in multiple lines.

Switch between Locations and Retailers in Fluent OMS and Fluent Store Web Apps [¶](#)

Enable a context switcher (via configuration) that allows end-users with multiple contexts to navigate between them within OMX web apps quickly. For example, in the Fluent Store web application, a single user can easily navigate between the Stores they have access to.

Switch Locations

Switch Retailers

Bug Fixes

List Component

Checkboxes will now load correctly when using multiple tabs within the List Component.

Judith Cohen Release v4.64

Release Date - August 9, 2022

This release is named after **Judith Love Cohen**, the legendary American aerospace engineer. She is much more than an interesting anecdote. She was a mathematician, a dancer, a publisher, a highly talented engineer and an advocate for women in the workplace.

Configure the Returns user experience and optimise Fluent Store and OMS web apps through dynamic calculations, collapsible components, extended mobile views and more

New Features

Fluent Store

Configure a better 'Create Return Order' user experience

You can now configure the Create Returns Order user interface (UI) by creating a returns setting. This lets you change the UI in two key ways:

- List of items in the table - Configure which columns are displayed in the list of items in the order. This includes removing existing columns, and adding new ones, such as the Return Value and Total Line Price.

- Return Summary card - Add a card that summarizes the return. For example dynamically display the Total Refund value based on user inputs. You can also configure the card to show other data, for example:
 - Total number of items returned
 - Number of items returned by reason or condition


Manage In-Store Returns on handheld devices

The user experience of processing a Return on a mobile device in Fluent Store has been improved to responsively support a greater range of devices, including; rugged handheld Zebra scanners, common smartphones and tablets.

Fluent OMX - UX Framework

Quickly identify an Order's Status with Colored Status Dots

The status of an order can now be indicated with a colored Status Dot, allowing users to quickly identify where an order is in its workflow or when issues arise. Colored dots can be added into any cell for attribute column component, allowing you to extend beyond just an order status.

 Read an overview of colored dots and configure to your needs.

Event Drawer Component now supports Word Wrapping

To simplify event analysis, Word Wrapping is added for Event Details in the Event Drawer Component. Lengthy JSON messages will be split into multiple lines and accurately displayed in the drawer.

Configure the Wizard Component to display summaries

The Wizard Component can now be configured to display summary information, enabling real-time feedback to the user as they interact with a form. For example, the expected refund amount on the return wizard will update dynamically as items are added or removed.

Streamline your User Interface with Collapsible Text and Entity Attributes

Collapsible Text and Entity Attribute components allow you to improve the readability and reduce unnecessary information displayed to the end user in Fluent Web Apps. Both components are designed to work anywhere you typically show text-based content such as lists and cards.

Display Number Values in Currency Formats

Numbers now support Currency Formats improving readability for end users. For example, present total return refund amounts in USD to two decimal places.

Perform Equations and display results in the User Interface

You can now perform equations on numbers. Add, subtract, divide and multiply numbers together to display relevant information to the end user. For example, calculate and display a total refund value by summing up all of the items selected by a user and their respective prices.

Display the List Component as a Table or Card

The List Component can now be configured to switch from a table view to a series of cards on mobile devices.

The card shows the same columns as the table version, but avoids the need to scroll horizontally. This can be paired with the "hideBelow" and "hideAbove" attribute configurations to create tailored experiences that work on both mobile and desktop.

A new "Condition" parameter for Page Component

When creating and editing a JSON setting, the JSON Value Field with JSON editor will now be displayed automatically.

 [Create and Edit Settings with the new “condition” parameter in the page component.](#)

[New to the Component SDK](#)

[Quantity List and Quantity Selector](#)

Developers can now utilize the Quantity List and Quantity Selector Components via the Component SDK to quickly build new components that require users to increment or decrement quantities.

[Bug Fixes](#)

[Fluent OMX - UX Framework](#)

[List Component](#)

An issue that occasionally caused columns to appear twice in the List Component has been fixed.

[Additional update 31/08/22](#)

Additional features were released during August which are available now.

[Global Inventory Module](#)

[A new rule to create inventory quantities for fulfilment](#)

A new rule `CreateFulfilmentInventoryQuantity` has been added to the Global Inventory Module. This new rule allows you to create inventory quantities for fulfilments & similar use cases.

The reference inventory catalogue workflows have also been updated with the latest rule.

 [Get started with the Global Inventory Module.](#)

Inventory Audit Events¶

Inventory Audit Events have been enhanced to provide greater visibility into which Inventory Catalogue entity an error or exception has occurred against.

This enhancement has been created to provide improved visibility into where a failure has occurred during Batch Inventory processing. A customer who uses the enhanced Audit Events will be able to identify and resend only failed inventory updates, today these need a whole batch to be resent.

An Audit Event will now include a new attribute `originalEventAttributes`. This will provide the Event Attributes payload as sent by the original event in the chain of inline events. This will provide visibility into which Inventory Position has failed to update due to an error.

Note

`originalEventAttributes` **definition:**

If event A is the original event request, after Rubix processes it successfully and generates inline event B,C,D. If Rubix throws any exceptions/errors during processing the inline event B,C,D, then the `originalEventAttributes` are the event attributes of event A.

This enhancement is feature toggled, to enable this feature create a new setting named `rubix.enable.enhanced.gi.exception.audit.event` and set the value to `true`.

Warning

This enhancement is currently only available for `INVENTORY_CATALOGUE` events.

Ann Dickson Release v4.65¶

Release Date - October 12, 2022

This release is named after **Ann Dickson**, the American legendary aerospace engineer. She played an important role in the Apollo Space Program. Apollo 11 was the first American spaceflight that landed humans on the Moon (July 20, 1969).

Manage Returns with Barcode scanners, optimise Fluent OMS and Store Web Apps for better usability and efficiency across devices and extend Fluent with enhancements to the OMX Framework.

New Features

Fluent OMX - UX Framework

Use Barcode Scanners to Manage Returns

Barcode scanners can now be used to scan items during the returns process.

You can:

- Scan or filter by GTIN, product name and more
- Identify when you have exceeded your maximum returnable quantity
- Get notified when you scan an item that cannot be found

 Read the overview and configure barcode scanners to your needs.

Create a Customised View by Vertically Aligning Information

You can now configure the vertical alignment of information in the List Component. Row information can be vertically aligned by top, middle or bottom to improve readability.

Organise Information for Better Readability by Nesting Components Into Columns

Place components into columns on pages. Columns can have various widths to help you structure the positioning of various items around the screen. This can be used to organise busy pages on smaller screens.

In the below example the Returns Order detail and Price Summary cards have been placed in a column on the left hand side to improve the flow of the page.

Improve User Experience for Mobile Collapsible Attributes

Easily expand text on collapsible attributes on mobile. Users can now tap on any part of the text to expand and contract the information.

View Mobile User Actions in Full Width

User actions on mobile are now full width. Enable a more efficient experience for in-store staff.

Translate User Actions Into Your Supported Languages

You can now **translate the label on a User Action** using an Internationalisation (i18n) value. This will enable you to provide User Actions in your supported languages.

Colored dots are available in Fluent Store

Component `fc.column.attribute` is moved to Mystique core and now Colored dots are accessible in Fluent OMS and Fluent Store.

Reference Account Settings in your Manifest

You can now store values in account settings and reference them in your Manifests. You can use this functionality to further abstract your Manifest Fragments or reference the same value in multiple Manifests.

Added the ability to locally override which setting a manifest loads from

You can now locally override which setting a manifest loads from or specify a completely custom manifest to use locally.

Added a new hook to the Component SDK to expose account and app name

The `useEnv` hook has been added to the component SDK. You can use this to expose the current Fluent account and app name.

Fluent OMS Web App

View Stacked Tables on the Mobile Fluent OMS Web App

Tables in Fluent OMS Web App are now mobile responsive. Users operating a device with a screen less than 600px will have tables displayed as cards.

Identify Specific Events with Detailed Timestamps

Event Search Timestamps now displays minutes, seconds, and milliseconds for each event. Easily find events that took place at a specific time—down to the millisecond.

Fluent Documentation - Lingo

Give Us Your Feedback on Fluent Documentation

You can now rate and leave feedback on a Lingo page. This feedback will be used to improve Lingo documentation to create a better experience for you.

Bug Fixes

Fluent OMX - UX Framework

- User Actions: Secondary User Actions can no longer be duplicated in dropdowns
- Navigation Bar: The navigation bar can now be closed on all devices and browsers

Nicole Mann Release v4.66

Release Date - November 8, 2022

This release is named after **Nicole Aunapu Mann**, the American test pilot and NASA astronaut. She is the first indigenous woman from NASA to go to space.

Simplify your commercetools integration, take advantage of GraphQL schema updates, access new web app functionality and an updated Component SDK.

New Features

Fluent OMX - UX Framework

Refresh button for immediate updates

You can now refresh any page across Fluent Order Management and Fluent Store web apps.

Include the open Tab Card Component when sharing a link

You can now include the currently open tab in the Tab Card Component in the page link. If you share the link with another user, they will see the Tab Card Component with the same tab open as when you shared it.

Fluent OMS Web App

Export Event Logs into a JSON file

You can now export events into a JSON file. View and share event logs internally with your team and partners.

Returns

Via the Returns setting you can now optionally calculate the returnable quantity using the fulfilled amount rather than the originally ordered amount.

Component SDK Update

Minor version upgrade v1.2022.10.713

The response type of the useSettings hook has been updated to cover error cases. As a result you may need to resolve a compiler error with the useSettings hook if updating to the latest SDK version.

 For more information, see the Component SDK Release Notes.

GraphQL Schema Updates

Two updates to the `articlesByLocation` query

A fix has been introduced to the `articlesByLocation` query. Results are now always in descending order by creation time - in alignment with our other queries. The query now supports pagination when using the last parameter.

You can opt-in to these changes. To do so, disable the setting `fc.gql.compatibility.articlesByLocationOrder` from your account by adding `disabled` to end of the setting name to become `fc.gql.compatibility.articlesByLocationOrder.disabled`

Pages that use the `articlesByLocation` query now support partial search:

- `customerEmail`
- `customerFirstName`
- `customerLastName`
- `customerPhone`
- `orderRef`

`articleItems` now contains a link to `orderItems`

Via GraphQL, you can now specify the `orderItem` that has been added to an article via the `articleItem` connection. Map which `orderItem` is associated with each `articleItem` via the mutations `createArticle` and `updateArticle`.


commercetools Connector

Simplify your integration to commercetools with our new connector!

We are excited to release the commercetools Connector which provides the essential components required to connect Fluent to commercetools.

This new connector is a Java-based SDK built using MACH (Microservices, API First, Cloud Native, Headless) principles which provides greater flexibility and simplified development, out-of-the-box extensions for module-specific implementation, and supports cross commercetools project and multi-retailer Fluent integration.

With this new extension framework, clients have the ability to override the default logic at the individual entity level and keep the out-of-the-box implementation as required to reduce the integration time.

 Configuration and Extension Guides are available on Lingo.

Kathleen Rubins v4.67 Release

Release Date - December 13, 2022

This release is named after **Dr Kathleen Rubins**, the American microbiologist and NASA astronaut. She became the 60th woman to fly in space when she launched on a Russian Soyuz spacecraft to the International Space Station on July 7, 2016.

Dr Rubins has spent a total of 300 days, 1 hour, and 31 minutes in space which is the fourth most days in space by a U.S female astronaut.

Create new order workflows and fulfilment types, increase the speed and consistency of your workflow processing and enable custom retry logic on webhooks.

New Features

Fluent OMS - Orders and Fulfillments 

Create new order workflows

You can now create new order workflows other than reference workflows (Click and Collect and Home Delivery).

For example, create additional workflows for orders requiring different processing and timing, like marketplace orders and backorders.

 Learn how to add a new order type and workflow

Create new fulfilment types

You can now create new fulfilment types to support many delivery and pickup use cases.

For example, create additional fulfilment types for any unique scenario like drop shipping or curbside pick-up.

 Add a new fulfilment type using createFulfilment mutation.

Fluent OMX - Workflow Engine

Improved workflow performance

Improve the performance of context.getEvent() calls by enabling a Workflow Setting. This will increase the speed and consistency of your workflow processing.

 Add a Workflow Setting and review available Workflow Settings on Lingo.

Enable custom Webhook retry logic

Enable your custom Webhook logic to be retried when a Webhook fails by adding a Workflow Setting.

 Add a Workflow Setting and review available Workflow Settings on Lingo.

Fluent OMX - Rule Plugins

Upload Rule Plugins without an Account name

You can now substitute a Plugin's account name with an underscore (_). The underscore will automatically be replaced with the name of the Account where you deployed the plugin. This means you can deploy the same plugin to multiple accounts without changing the Account name.

 Read about how to upload a Rule Plugin without an Account name

Enhancements

UI Builder

In the UI Builder, an issue is now resolved where an exception could occur when referencing certain entities in a Web App Manifest's GraphQL query.

Rule Plugins

You can no longer upload a plugin with version numbers containing leading zeros (i.e. 1.1.01). This was causing multiple versions of the same plugin to be enabled on the same Account.

Fluent OMS Web App

The pagination in a Fluent OMS web app list will update the list contents when the next page is selected.

Component SDK Update

A new version of the Component SDK is now available with support for Node v18.

 For more information, see the [Component SDK Release Notes](#).

2021

Lovelace Release V4.50

Release Date - January 18, 2021

Ada Lovelace aka Augusta Ada King, Countess of Lovelace was an English mathematician and writer, chiefly known for her work on Charles Babbage's proposed mechanical general-purpose computer, the Analytical Engine.

She was the first to recognise that the machine had applications beyond pure calculation, and to have published the first algorithm intended to be carried out by such a machine.

As a result, she is often regarded as one of the first computer programmers.

New Feature¶

Picklist sorting is a new feature introduced to improve the in-store picking processes. This feature enables clients to define a sorting criteria for items in a picklist based on the priority of fields such as, Department or Category. The sorting criteria for items can be configured via the (retailer-based) CUSTOM_PICK_LIST_SORT_CONFIG setting.

For more information, see the How to enable sorting in a picklist topic.

Fluent Platform¶

Issues: On Fluent platform, the location entity external Ref had an eight-character limit.

Solution: The limit is extended to 100 characters, which provides flexibility to link the location (stores) to external systems with longer unique reference fields.

GQL Mutation¶

Issues: Clients were unable to update customer details such as a phone number or last name.

Solution: A new GQL mutation `UpdateCustomer` is added to enable users to update customer details.

Babbage Release V4.51¶

Release Date - February 22, 2021

Charles Babbage KH FRS was an English polymath. A mathematician, philosopher, inventor and mechanical engineer, Babbage originated the concept of a digital programmable computer. Babbage is considered by some to be "father of the computer".

Babbage is credited with inventing the first mechanical computer, the Difference Engine, that eventually led to more complex electronic designs, though all the essential ideas of modern computers are to be found in Babbage's Analytical Engine.

New Features

ServicePoint Dashboard

A new ServicePoint dashboard is released which enables a store operations manager to view information about orders and their statuses for a pre-configured time range. This dashboard also helps the in-store staff prioritize the task based on the status of the orders.

For more information, see ServicePoint Dashboard topic.

GET Event By ID REST API

A new endpoint is added in the Event API to enable clients to get the event information by an ID. For more information, see Event API.

Issues

Workflow JSON

Issue : On the Fluent platform, a workflow JSON file larger than 256KB was not processed.

Solution : The workflow file processing has been optimised to accommodate files greater than 256KB.

Picklist Improvement

Issue: While parsing the value of the `CUSTOM_PICK_LIST_SORT_CONFIG` setting, the Picklist sorting functionality did not work properly if the `HOTFIX.OPT_OUT_RAW_JSON_PARSING` Retailer setting did not exist or was set to `FALSE` for a retailer.

The issue is fixed. The Picklist sorting functionality works correctly irrespective of the `HOTFIX.OPT_OUT_RAW_JSON_PARSING` setting.

Inventory UI

Issue: This issue is applicable for clients who do not use Global Inventory and rely on a hardcoded legacy Admin Console screens for viewing and managing inventory. On the view

inventory page, clicking the checkbox to select a SKU caused the screen to become unresponsive.

The issue is fixed.

DEPRECATION NOTICE: Event Search Query Parameter Disabled¶

Due to performance reasons the query parameter supporting the event full text search has been disabled. This change will not impact any existing filters of the event search documented at Event API.

Planned Scalable enhancements to replace the query parameter search include:

- New GET EventByID endpoint to support the integration and async event creation use cases. For more information, see Event API. (COMPLETE)
- Admin Console user interface will be enhanced to support event search with additional filters in the upcoming release. (PLANNED)

Kent Beck Release V4.52¶

Release Date - March 8, 2021

Kent Beck is an American software engineer and the creator of extreme programming, a software development methodology that eschews rigid formal specification for a collaborative and iterative design process.

Beck was one of the 17 original signatories of the Agile Manifesto, the founding document for agile software development. Extreme and Agile methods are closely associated with Test-Driven Development (TDD), of which Beck is perhaps the leading proponent.

He lives in San Francisco, California.

Enhancement¶

Event Search User Interface component for Admin Console¶

The event search functionality on the Admin console has been enhanced with a new component to enable two new filters, Entity Type and Entity Ref. For more information about this functionality, see the Event Search section.

Note

This feature is toggle controlled and enabled only on selected Fluent Commerce accounts. Existing users of the Console Event Search user interface are not impacted with this enhancement.

Gene Kim Release V4.53¶

Release Date - March 25, 2021

Gene Kim is a multiple award-winning CTO, researcher and author, and has been studying high-performing technology organizations since 1999. He was founder and CTO of Tripwire for 13 years.

He has written six books, including The Unicorn Project (2019), The Phoenix Project (2013), The DevOps Handbook (2016), the Shingo Publication Award winning Accelerate (2018), and The Visible Ops Handbook (2004-2006) series. Since 2014, he has been the founder and organizer of the DevOps Enterprise Summit, studying the technology transformations of large, complex organizations.

He lives in Portland, OR, with his wife and family.

New Features¶

GraphQL Schema Updates¶

A number of new features have been added to the GraphQL Schema this month. The team has been working on enhancements to bulk actions to enable optimisation of key processes within the Global Inventory and Store Fulfilment domains.

- **New `articlesByLocation` query**

The `articlesByLocation` query is added to the GraphQL schema.

This query enables the retrieval of articles based on a location. It provides enhanced support for location-based scenarios such as arrivals, collections, and store-to-store transfers.

The query supports the following parameters:

- `fromLocation`
 - `toLocation`
 - `orderType`
 - `createdOn`
 - *For more information about this query, see the GraphQL Schema documentation.*
-

- **New `updateInventoryQuantitiesStatus` mutation**

The `updateInventoryQuantitiesStatus` mutation is added to the GraphQL schema.

This mutation provides a more optimal way to bulk reset transient inventory quantities during a batch update. It updates the inventory quantities status for a specific inventory position filtered by inventory quantity types, statuses, and the date on which the inventory quantity is expected (`expectedOn` date).

For more information about this query, see the GraphQL Schema documentation.

- **New `inventoryQuantityAggregate` query**

The `inventoryQuantityAggregate` query is added to the GraphQL schema.

It provides a server-side sum calculation for a filtered list of inventory quantities, which can be used to prepare an on hand quantity mutation update in a more optimal way. It enables users to retrieve an aggregate inventory quantity for an inventory position filtered by inventory quantity types, statuses, and the date on which the inventory quantity is expected (`expectedOn` date).

For more information about this query, see the GraphQL Schema documentation.

- **New Query `inventoryPositionAggregate`**

The `inventoryPositionAggregate` query is added to the GraphQL schema.

It provides a server side sum calculation of the `onHand` field for a filtered list of inventory positions, which can be used to provide a network on hand aggregate quantity in a more optimal way. It enables users to retrieve an aggregate inventory position on hand quantity filtered by a network, product, inventory position types and statuses.

For more information about this query, see the GraphQL Schema documentation.

- **New waveItems connection for Waves**

A new connection `waveItems` is added to the GraphQL schema for the `waves` and `waveById` queries.

This provides an aggregate quantity for a product within a wave. It enables a more efficient bulk order processing capability for Pick screens in ServicePoint.

For more information about this query, see the GraphQL Schema documentation.

SDK Updates

Minor updates have been made to the SDK this release. The following updates have been made:

- **GraphQL Schema update**

The `schema.json` file has been updated in the Plugin Archetype. Changes include all the new features listed above.

- **GraphQL Apollo Client change**

The GraphQL API Client dependency used within the SDK is now available on the Fluent maven repository. The JFrog bintray repository owners provided notice of removal for the dependency.

We recommend that users update their existing plugin `pom.xml` files to avoid any dependency failure exceptions or slowness in resolving dependencies going forward.

The following repository configuration can be removed:

```
<repository>
```

```
  <id>bintray</id>
```

```
  <url>https://dl.bintray.com/apollographql/android/</url>
```


</repository>

-
- *For more information, see the SDK Release Notes.*

Sophie Wilson Release V4.54¶

Release Date - May 17, 2021

Sophie Mary Wilson (born 1957) is an English computer scientist, who helped design the BBC Micro and ARM architecture.

Wilson first designed a microcomputer during a break from studies at Selwyn College, Cambridge. She subsequently joined Acorn Computers and was instrumental in designing the BBC Micro, including the BBC BASIC programming language whose development she led for the next 15 years. She first began designing the ARM reduced instruction set computer (RISC) in 1983, which entered production two years later. It became popular in embedded systems and is now the most widely used processor architecture in smartphones.

Wilson is currently a director at the technology conglomerate Broadcom Inc. In 2011, she was listed in Maximum PC as number 8 in an article titled "The 15 Most Important Women in Tech History". She was made a Commander of the British Empire in 2019.

New Features¶

To support the upcoming new Mystique UX Framework and ServicePoint refresh, a few platform updates have been made to enhance the Store Fulfilment and implementation experience.

GraphQL Schema Updates¶

Some minor updates have been made to the GraphQL Schema this month.

- **Updated articlesByLocation query**

The `articlesByLocation` query has been extended with additional query parameters.

This query primarily enables the retrieval of articles based on a location to provide support for location-based scenarios such as arrivals, collections, and store-to-store transfers. New parameters to further filter the query results are now available to support retrieval based on Order reference, Customer information and Carrier details.

The new parameters are:

- `orderRef`
 - `customerFirstName`
 - `customerLastName`
 - `customerPhone`
 - `customerEmail`
 - `carrierName`
 - `consignmentStatus`
 - *For more information about this query, see the GraphQL Schema documentation.*
-

Rubix Orchestration Framework Updates

To support the upcoming new Mystique UX Framework release, a small update has been made to the Rubix Orchestration Framework. The following updates have been made:

- **Custom Event Attribute Types**

Rules expecting Event Attributes as a complex object (JSON) cannot currently be given a custom type name. Instead, the default type name (`STRING`) is used.

Prior to this release, User Actions could only be created for Rulesets with a predefined set of Event Attribute types.

With this release, Rules using complex Event Attribute structures such as JSON objects, can be declared as a custom type in the Workflow configuration for a User Action. This update enables custom form fields to be created for JSON Event Attributes using the upcoming Mystique UX Framework SDK.

For example, consider the Picking process in a store. A list of items is added to a Wave, and

the Picker is picking items and marking them off the Pick list. In some cases, there may be short picks, or full rejections.

Once the Picker has completed all the picking for this wave, they will proceed to the Packing step by confirming the Pick list items. This is a User Action that triggers workflow in the backend. These Picked items are a JSON object sent as an Event Attribute to Rubix. The Rule that will process the Picked Items list declares an Event Attribute as follows:

```
@EventAttribute(name = "pickedItems") // user action attribute declaration type = "PICKED_ITEMS"
```

```
public class ProcessPickList implements Rule {
```

```
    PickedItemsDTO pickedItems = context.getEvent().getAttribute("pickedItems", PickedItemsDTO.class);
```

```
    // ...
```

```
}
```

-
- The @EventAttribute will default to type = "STRING", however in the code, the Rule expects a specific object (PickedItemsDTO.class) for the picked items Event Attribute. On the Workflow configuration for the User Action, the Event Attribute type can now be declared as PICKED_ITEMS to allow the UI Framework to render the appropriate form field:

```
"userActions": [
```

```
{
```

```
"context": [  
  
  {  
  
    "label": "Confirm Pick",  
  
    "type": "PRIMARY",  
  
    "modules": [  
  
      "servicepoint"  
  
    ],  
  
    "confirm": true  
  
  }  
  
],  
  
"attributes": [  
  
  {  
  
    "name": "pickedItems",  
  
    "label": "Picked Items",
```

```
        "type": "PICKED_ITEMS",

        "source": "",

        "defaultValue": "",

        "mandatory": true

    }

]

}

]
```

-
- *For more information, see the Anatomy of a Rule.*

Bug Fixes¶

ServicePoint Dashboard Timezone Offset Fix¶

- The ServicePoint Dashboard component has been updated to use UTC time. This ensures that the correct data is shown to all users regardless of their local system time. *For more information, see the ServicePoint Dashboard*

Richard Stallman Release V4.55¶

Release Date - July 5, 2021

Richard Matthew Stallman is an American free software movement activist and programmer. He is also known by his initials 'rms'.

Stallman pioneered the concept of copyleft, which uses the principles of copyright law to preserve the right to use, modify, and distribute free software, and is the main author of free software licenses which describe those terms, most notably the GNU General Public License (GPL), the most widely used free software license.

In 1989, he co-founded the League for Programming Freedom. Since the mid-1990s, Stallman has spent most of his time advocating for free software, as well as campaigning against software patents, digital rights management (which he refers to as digital restrictions management, calling the more common term misleading), and other legal and technical systems which he sees as taking away users' freedoms. This has included software license agreements, non-disclosure agreements, activation keys, dongles, copy restriction, proprietary formats, and binary executables without source code.

Enhancements¶

User Interface Improvements¶

- **Improved User Experience for Returns creation through the Admin Console**

An improvement has been made to the current Returns UI available for Admin console around the display of order item attributes.

The current Return form presents each order item with all the product attributes. This means that when there are too many attributes on an order item, it does not render well to provide a usable experience.

To resolve this issue, we have made a small UI change to visually control visibility of all attributes, and improve the user experience for creating Returns.

By default, the first 10 attributes will be displayed, and the rest will be viewable by clicking the

"More" button.

Added support for UTC time off set for Dynamic Dashboard tiles in Admin Console

The Dashboard tile component can now be configured to use UTC time offset rather than the default local time of the user's system.

For more information, see the [Add Queries to the Dashboard](#) section.

Platform Enhancements¶

- **REST based Inventory search Optimization**

The REST based Inventory Search request for non-GI implementations has been optimised to make it more efficient when searching items across the network.

This is used for inventory lookup when creating fulfilments across the network. This optimization will provide a faster response time, especially in an extensive network scenario.

- **New card type support added for Financial transactions**

Financial transactions have been extended to support card types `DISCOVER` and `UNIONPAY`.

Both the GraphQL API and the REST API will now accept `DISCOVER` and `UNIONPAY` as a valid card types.

For more information, see the [GraphQL Schema](#) and the [Transaction API](#).

- **Duplicate Fulfilment handling**

IMPORTANT UPDATE

We are currently enhancing this feature to make it configurable client-side (opt-in via a feature flag). Until then, it has been disabled by default.

Prior to this release, the platform allowed duplicate fulfilments to be created. This is typically not an intended behaviour, and was the result of multiple sources posting events simultaneously.

A new unique constraint has been added to prevent the creation of duplicate fulfilments on the following combination fields:

- Order ID
- From Location ID
- To Location Address fields
- Street
- City
- Post Code
- Shipment Type (which is the Fulfilment Type - e.g: `CC_PFS`, `CC_PFDC`, etc.)

- Delivery Type
- Fulfilment Item fields (sorted by Order Item ID ascending):
- Order Items ID
- Requested Quantity
- The GraphQL and REST API will return an error in the case that a duplicate fulfilment is trying to be created.

For more information, see the GraphQL or Fulfilment REST API docs.

Additionally, there are times when a duplicate fulfilment is intentional, such as after a fulfilment has been expired or rejected from a location, but the intent is still to fulfil from that location. For these scenarios, a new special attribute has been added to allow a duplicate fulfilment to be created.

Simply include the following attribute on the new Fulfilment attributes array in either the GraphQL or REST APIs.

Attribute Details:

Name: ENABLE_DUPLICATE_ENTITY Type: BOOLEAN Value: true

Bug Fixes¶

ServicePoint Dashboard auto-refresh fix¶

- The ServicePoint dashboard component enhanced to auto-refresh itself every min to show the latest count of configured tiles.

For more information, see the ServicePoint Dashboard.

Elon Musk Release V4.56¶

Release Date - August 3, 2021

Elon Musk is a self-taught programmer whose first introduction came through a book to learn BASIC. He completed the book in 3 days and went on program his first video game at the age of 12 (1984) – Blstar, a space-based shooter, inspired by Alien Invaders. You can still play the game here.

South African-born, Musk became a multimillionaire in his late 20s when he sold his start-up company, Zip2, to a division of Compaq Computers. He went on to start X.com in 1999 (which later became PayPal) and alongside Tesla and SpaceX has founded Neuralink, The Boring Company, and OpenAI.

Today, Musk is working to revolutionize transportation both on Earth, through electric car maker Tesla. And in space, via rocket producer SpaceX, who after its latest funding round in February 2021 are valued at \$74 billion USD.

New Features

Fluent UX Framework and Fluent Store

- This month we are excited to make available a new framework on our **Order Management Experience (OMX)** platform.

The **Fluent UX Framework** (previously named Mystique) is now accessible to all Partners and Clients. Enabling you to generate easy-to-use interfaces (UIs) based on your business logic. The Fluent UX Framework includes; A UI Builder, UI Templates, UI Component library, OMX Design System, and a Component SDK.

The first UI template being released is **Fluent Store**. Successor to Service Point, Fluent Store is our reference template for your in-store web apps. The UX Framework is also being applied to Fluent Console and will be available in the coming weeks.

*A detailed release announcement will land in your inbox on **Wednesday 4th August**.*

Enhancements

Orchestration Modeller Enhancements

- **Enhance the Workflow Builder (Orchestration modeller) to enable custom web app names in user actions context**

The launch of the UX framework introduces the ability for our clients and partners to create their custom web apps. Alongside the ability to customise the UX based on their unique business processes, Clients can now name the Fluent web app.

To view an example and enable this functionality, a new setting has been introduced and explained in the Lingo Settings section.

New Lingo IA

- **Lingo Information Architecture Enhancement**

To support the release of Fluent OMX and better enable our Partners and Clients to configure and extend we have redesigned the **Lingo Information Architecture (IA)**.

We encourage you to go and see it for yourself, feedback is welcome through the Lingo feedback page.

Bug Fixes

- **Duplicate Fulfilment handling feature flag**

The "Duplicate fulfilment handling" feature released in July - July - Richard Matthew Stallman v4.55 is now configurable via a feature flag `fc.api.fulfilment.uniqueness` at the Account level.

This feature will be disabled by default for all existing clients.

For more information, see the Settings section.

- **Workflow Engine (Rubix) Improvement**

An audit log event will now be generated when an inline event has no match for the ruleset trigger status. The ruleset will now create an event status "NO_MATCH". This fix will support better debugging and execution audits.

An example of how the Audit log event is generated can be found here on Lingo.

Introducing Fluent OMX

We are excited to announce the release of Fluent Order Management Experience (OMX). As integral parts of Fluent OMX, today's release announcement includes the new:

- **Fluent UX Framework**
- **Fluent Store**
- **Fluent Learning**

Fluent OMX is the low-code platform for order management. Its configuration tools, best practices guidelines and Software Development Kits (SDKs) let you tailor and extend a best-in-class order management user experience to fit your business processes – today and in the future.

Fluent OMX consists of the **Fluent UX Framework** (previously referenced as *Mystique*) and **Workflow Framework** (previously called *Rubix*)

And yes, we have made some changes to naming conventions as part of this release! You will see our product documentation, '**Lingo**', has a new Information Architecture, reflecting these changes and how we speak about Fluent Order Management going forward.

We invite you to see the changes, read more about Fluent OMX, and welcome your feedback.

Note

You will still find the name *Mystique* and *Rubix* in code and some technical docs!

Fluent UX Framework – available for all


Following a successful pilot over the last few months, the new Fluent UX Framework is now available for all Clients and Partners. Core components of the framework include the ability to Configure and Extend your User Interfaces (UI).


Configure the UI using human-readable low-code tooling with:

- **UI Builder** - JSON configuration
- **UI Templates** - reference UI configurations for faster rollout
- **UI Component library**
- **OMX Design System**

Extend the UI using the **Component SDK**

- Create new UI components
- Surface any data collected by Fluent or use APIs to pull external sources

 **Watch** our SVP of Product, Agnes Schliebitz-Ponthus, talk about the framework, including a light demo in our recent Product Roadmap update (p: H221Product)

 **Read** more about the UX Framework, view the OMX Design System, or get into the details of the components with our Technical docs and libraries

 **Learn** how to use the Fluent UX Framework with our new Fluent Learning Courses.

Note

Our brand new Fluent Learning Portal is in a phased rollout. Please see the Fluent Learning notes below to see how you can gain access!

Fluent Store

Fluent Store, the successor to ServicePoint, is the first reference web app to be released.

The in-store web app allows you to fulfil orders placed from anywhere via Fluent Order Management. It's fully configurable and adaptable for your company-wide and unit- or geography-specific needs.

Key Features include:

- Pick and Pack Orchestration
- Single Order and Batch Pick, Pack, and Ship
- Store Arrivals and Customer Collections
- Ship to and from Store and Manage Transfers
- Carrier and Shipping Management
- Create and Manage Returns
- Role-based User Interfaces

 **Read** about all Fluent Store features here

 **Implement** Fluent Store for your business today with our Store setup guide

Note

The UX Framework is currently being applied to Fluent Console and will be made available soon.

Fluent Learning

Fluent Learning is our brand new eLearning platform which will provide self-paced courses for our Partners.

We've begun a phased rollout of the platform, which will currently support our existing T4 and T5 Instructor-Led courses, as well as the brand new eLearning Course, **Fluent OMX: Configure - UX Framework**.

For Partners who have completed the T4 Course, you can expect an invitation to the new Learning portal within the next 2 to 6 weeks.

Additional Courses will be made available in the future, and once you're signed up, you will be able to enroll in any of the available courses. We are currently offering the **Fluent OMX: Configure - UX Framework** course as a free course.

If you would like to request early access to the Fluent Learning platform, please contact us at learning@fluentcommerce.com

We look forward to seeing what problems your team will solve and the value you create with the new capability of **Fluent OMX**.


Adobe Commerce Connector

We are excited to announce our Partnership with Adobe and that we are now an official **Premier Adobe Exchange Partner**.

We are releasing the **Fluent Order Management Connector for Adobe Commerce**, offering a new alternative to Magento Order Management. It enables speedy and secure implementations into Adobe Commerce and Magento Open Source. The connector is the first of many to be officially launched on the new **Fluent Connect** integration layer.

Adobe Connector

This release provides the essential components required to connect Fluent to Adobe Commerce, providing maximum value to clients, partners, and developers on our cloud-native OMS.

The Connector helps Adobe Commerce customers make the most of their investment in the platform. Once set up, they get the same capabilities all Fluents clients have access to, from order orchestration to in-store fulfillment and pick-up via Fluent Store. ( **Read** about the all-new Fluent Store features here)

A direct integration enables a reliable and secure out-of-the-box connection between the two platforms.

Synchronize Products, Categories, Sources, Inventory, and Orders between Fluent and Adobe.

Display real-time Product Availability on Adobe Commerce product pages and at checkout.

Manage orders, appeasements, and returns directly from Adobe Commerce.


 **Read** more in our Adobe Connector Solution Brief

 The **app** is on the Adobe Exchange.

 **Documentation** and **Setup Guides** is present here.

The connector supports both Adobe Commerce EE & CE from version 2.4.x

Fluent Connect

The more connected Fluent is to the rest of the commerce stack, the more value it can provide. That's why we have created **Fluent Connect**, an integration layer affording native connections across the ecosystem and supporting many key data flows out of the box. (Learn more about this core strategic initiative in our recent  Product Roadmap update.

The new **Adobe Commerce Connector** and existing **Salesforce Commerce Cloud Connector** are the first two of many in the Fluent Connect library.

Going forward, Fluent will partner directly with leading platforms to deliver more pre-built connectors. This integration layer will enable you to realize the full value of Fluent OMS and deliver delightful experiences to your customers at scale and speed.

Fluent Connect will be available on Fluent OMX in the near future, so partners can configure, extend and create new connectors via SDK.

We're excited to release the **Adobe Commerce Connector** through **Fluent Connect** to you – a modern architecture that is easy to integrate while allowing for maximum flexibility and scalability. We welcome your feedback.

Linus Torvalds Release v4.57

Release Date - August 30, 2021

Linus Benedict Torvalds is a Finnish-American software engineer who is the creator and, historically, the main developer of the Linux kernel, used by Linux distributions and other operating systems such as Android. He also created the distributed version control system Git and the scuba dive logging and planning software Subsurface

He was honored, along with Shinya Yamanaka, with the 2012 Millennium Technology Prize by the Technology Academy Finland "in recognition of his creation of a new open-source operating system for computers leading to the widely used Linux kernel.

*Fun fact: Torvalds wanted to call the kernel he developed Freax (a combination of "free", "freak", and the letter X to indicate that it is a Unix-like system), but his friend Ari Lemmke, who administered the FTP server where the kernel was first hosted for download, named Torvalds's directory **linux**.*

New Features¶

Component SDK¶

This release includes three new features added to the Component SDK, including:

- **New `TemplateRegistry` support**

The `TemplateRegistry` allows SDK developers to add new template helpers and quickly render template strings in their custom components. Custom and existing components are now more configurable via the manifest.

For more information, see the [Registry page](#).

- **New global functions for producing drawers, modals, and toasts in the UI**

New global functions are available to allow SDK developers to produce drawer (`pushDrawer()`), modal (`pushModal()`) and toast (`pushToast()`) controls directly.

For more information, see the [Drawers, Modals and Toasts section in the Utility Components page](#).

- **New hooks**

- `getSettings` - a promise-based variant of `useSettings`
- `useData` - provides direct access to the page query response and variables

- `useUserActions` - retrieve a list of all possible user actions for an entity
 - `useUserActionForm` - generate the form for a named user action
 - `getApiDownload` - download a file from the authenticated API
 - *For more information, see the [Hooks page](#).*
-

Enhancements¶

Component SDK Enhancements¶

- **Improved Children utility component**

The `Children` utility component is updated to override the component and/or data context trees. SDK developers now have more flexibility in how custom components are configured. *For more information, see [Children section in the Utility Components page](#).*

- **Update to ComponentRegistry interface**

The `ComponentRegistry` interface has been updated to make the `get` function available. SDK developers can now use existing registered components from within custom components. *For more information, see [Component Registry section in the Registry page](#).*

- **Update to FieldRegistry: FormFieldProps interface**

The `FieldRegistry: FormFieldProps` interface has been extended to include the `onChangeOptions` and `entityContext` parameters, allowing the creation of field components that adapt to the context of the form they're a member of.

For more information, see [Field Registry section in the Registry page](#).

- **Extended functionality for `useI18n`**

The `useI18n` hook has been extended to include:

- `translateOr` - conditional translation with multiple fallback options
- `language` details of this user's current and available language options
- *For more information, see the [useI18n section in the Hooks page](#).*

OMX UX Framework Enhancements¶

- **"Not found" page**

When the user does not find the page or new web app they are looking for in the URL, the user will be directed to our newly added "Not found" page.

- **New `activeUser` variable**

Details of the logged-in user are now available for use as page query variables. For example, `{{activeUser.username}}`.

For more information, see the [Page Route data property in the Configuration Guide](#).

- **Updates to `DynamicAttribute`**

- `DynamicAttributes` now support optional icons and colour styling for text-based values.

- A new type option has also been added that allows developers to embed a completely custom component into any location that currently uses a `DynamicAttribute`.

- *For more information, see the [Dynamic Attributes section in the Common Concepts page](#).*

- **Reverse Sorting for Lists**

The List component (`fc.list`) can now be sorted in reverse chronological order. Sorting functionality can be triggered by simply updating the page query to sort results in the desired direction, after which the list pagination controls will work in the direction specified

For more information, see the [Sort Order and Page Size section on the List Component page](#).

- **Text filters on the List component now trim whitespace by default**

- **Breadcrumb Menu Label update**

The Page component (`fc.page`) breadcrumb property `menuLabel` has been renamed to `label` for consistency with other property names. `menuLabel` will continue to work for backward compatibility but should be considered deprecated.

For more information, see the [BackButtons section on the Page Component page](#).

Bug Fixes

- **Default timezone fix for `dateStringFormatter` helper function in UX Framework**

UX “`DateStringFormatter`” functions will now default to the user’s local timezone. We have added config support for users to switch to the UTC timezone.

For more information, see the [Date functions in Template strings section on the Common Concepts page](#).

Don Norman Release v4.58

Release Date - September 28, 2021

Donald Arthur Norman – born December 25, 1935 is an American researcher, professor, and author. Norman is the director of The Design Lab at University of California, San Diego. widely regarded for his expertise in the fields of design, usability engineering, and cognitive science. Don is best known for his book **The Design of Everyday Things** – a highly recommend book! Don Norman is a co-founder and consultant with the **Nielsen Norman Group**.

After graduating, Norman took up a postdoctoral fellowship at the Center for Cognitive Studies at Harvard University and within a year became a lecturer.

Norman has received many awards for his work. He received two honorary degrees, one "S. V. della laurea ad honorem" in Psychology from the University of Padua in 1995 and one doctorate in Industrial Design and Engineering from Delft University of Technology

Don Norman Update

An update to this release has been made. See the Don Norman Update page for details.

New Features ¶

Component SDK ¶

- **Manifest interface added**

The Manifest interface is now included in the Component SDK `@types` definitions, enabling autocomplete and validation of TypeScript based manifest objects in code. This is useful for automated testing of your custom components.

See more information on the Component SDK.

Enhancements¶

Platform Enhancements¶

- **New Card Types added in Financial Transaction**

Three new card types have been added to the CardType field; “JCB”, “MAESTRO” & “INTERAC”.

For more information, see GQL Transaction schema.

Note

New card types are updated for our deprecated REST Financial Transaction API as well .

- **Workflows List limitation removed**

The limitation of showing only ten recently updated workflows has been removed, all workflows are now accessible via the workflows listing page (Orchestration) in Console.

See more information on Workflow modeller.

- **User Action forms now support validation**

User Action forms will now validate against the mandatory field configuration, prior to submitting the user action. Mandatory fields will be highlighted in red when a user submits a form with missing information.

Bug Fixes¶

UX Framework fixes¶

- **Fix to default translation strings:** “Rows per Page” and “Carrier Collections” labels are now added.

Don Norman Update - 11 November 2021¶

This page lists enhancements and fixes as part of an update to the Don Norman release.

Mark Shuttleworth Release

Please also refer to the Mark Shuttleworth release notes, also released on 11 November 2021.

Enhancements¶

Fluent Store Enhancements¶

- **Added Search Filters for Articles**

Search Filters have been added to all Article Pages in the Fluent Store. Article Pages included: Arrivals, Customer Collections, Carrier Collections, Uncollected.

See more information on Fluent Store.

- **Auto Refresh added to Fluent Store pages**

The Auto Refresh Component. has been added to the default manifest for Fluent Store. The page will now automatically refresh in a regular set interval of 60 seconds, displaying an updated status for each fulfilment as the wave transitions from one stage to the other.

See more information on Fluent Store.

- **Updated the default Fluent Store manifest fragment names**

The default Fluent Store Manifest fragments are renamed to include the web app name. This makes the app context for manifest fragments more explicit where there may be similar but different fragments used in another app.

Action Required

If you are referencing any of the out of the box fragment manifests in your account level setting, then update existing fragment names to include the web app name.

Example: Change `fc.mystique.manifest.fragment.waves` to `fc.mystique.manifest.store.fragment.waves`.

For more information, see the default Fluent Store manifests.

- **A new Store Plugin is created, and referenced in the default Fluent Store manifest**

A new **Store Plugin** is created and the plugin name is added to the default Store manifest. All the Fluent Store components are moved to the new plugin exclusively maintained for the store functionality.

Action Required

- If you are using your own account level Fluent Store manifest, add the store plugin reference to your store manifest file.

- *For more information, see the default Fluent Store manifests.*

- **Storage Area consolidation**

Store Arrivals can be configured using Scan to Storage Area functionality. By default, this will support consolidation of Articles from the same Order. When scanning a newly arrived Article, Articles for the same Order can be grouped and assigned to the same Storage Area, providing an improved article management experience for in store staff.

- **User Action forms now support validation**

User Action forms will now validate against the mandatory field configuration, prior to

submitting the user action. Mandatory fields will be highlighted in red when a user submits a form with missing information.

- **Dashboard tiles are made clickable**

Dashboard tiles in the Fluent Store Waves Dashboard are enhanced to be clickable. Users can now click on a tile to navigate to the specific filtered orders / waves list:

- **The Wave Fragment is broken up into multiple smaller Fragments**

The following new wave process fragments are added to the list of Fluent store manifest fragments.

- Orders Awaiting Pick
- [Waves In Progress](#)
- [Completed Waves](#)
- **Action Required**

If you are using your own account level Fluent Store manifest, add the below fragment reference routes beneath the wave fragment in your store manifest file:

- `fc.mystique.manifest.store.fragment.orders.awaitingpick`
- `fc.mystique.manifest.store.fragment.waves.inprogress`
- `fc.mystique.manifest.store.fragment.waves.complete`

Fluent Store Fixes¶

- **Carrier terminology fix:**

All instances of the word "Courier" have now been replaced with "Carrier" for consistency purposes

- **Bulk Collection Actions disabled:**

Bulk selections for 'Customer Collections', 'Uncollected' and 'Arrivals' have been disabled.

This can still be enabled via configuration if required

- **Removed invalid hyperlink on the Order Ref field in the wave PACK step**
- **Removed the comma , displayed between a customers first and last name**
- **Page titles are now displayed as the page header and no longer in the page table**
- **Fixed an issue where invalid Storage Areas were displayed and available for scanning.**

Now only ENABLED Storage Areas are available for scanning

- **Fixed the missing auto-navigation on Article screens after user action completed**

Mark Shuttleworth Release v4.59¶

Release Date - November 11, 2021

Mark Shuttleworth is a South African-British entrepreneur who is the founder and CEO of Canonical, the company behind the development of the Linux-based Ubuntu operating system.

Shuttleworth is a large proponent of free and open-source software, he started the Shuttleworth Foundation in 2001, a nonprofit organisation dedicated to social innovation which also funds educational, free, and open source software projects in South Africa.

Shuttleworth gained worldwide fame on 25 April 2002, after spending one year in training, became the second self-funded space tourist.

“Computer is not a device anymore. It is an extension of your mind and your gateway to other people”. – *Shuttleworth*

Don Norman Update

Please refer to the Don Norman Update page for Don Norman updates, also released on 11 November 2021.

Enhancements¶

Rules SDK Update¶

- **BASE Plugin update (minor)**

We have updated the BASE plugin to include the best practice engagement of the Google Maps API. This is to prevent a thread leak identified in the existing plugin utilities.

For more information, see the Rules SDK Release Notes.

Bug Fixes¶

Fluent Store Fixes¶

- **Product Image display on the Pick Screen**

The product image will now be displayed on the PICK screen in Fluent Store. Both `imageUrl` and `imageUrlRef` attributes on the variant product are supported for the display of product image on the PICK screen in Fluent Store. If neither `ImageUrl` nor `ImageUrlRef` is set, as an attribute, a default placeholder image will be shown. *See more information on Pick and Pack*

- **Correct quantities per user location now displayed on the Pick screen**

The quantities displayed on the Pick screen have been updated so users can only view the information and quantity on the Pick screen relevant to their location.

Platform Fixes¶

- **Setting for Duplicate Fulfilment Handling must now be in lowercase**

The latest v4.56 release enabled a toggle for duplicate fulfilment handling. The setting has been adjusted to read lowercase only `fc.api.fulfilment.uniqueness`. All existing versions of the flag will be converted to lowercase and new additions will need to follow the documented lowercase setting.

- **Fix for inline Ruleset matching for child entity events**

We have fixed an issue with Workflow Engine where inline events were using the incorrect entity status when checking whether a ruleset should be triggered. A new setting is now available at an account level.

This new setting is labeled `rubix.entity.parent.status.fix` and when set to `enabled(case insensitive)` will ensure that inline events correctly use the status of the entity that they are currently acting on.

This has been documented on the account settings page on Lingo.

2020

February- Barossa Release v4.45¶

Release date - February 10, 2020

Console Dashboard📄

This month sees the release of the Console Dashboard. The Console Dashboard is a newly released business and exception management tool for the Fluent Admin Console. The Dashboard is fully configurable via our Mystique framework and provides Admin Console users with enhanced data for order lifecycle exception management.

The initial version on the Console Dashboard focuses on store-based SLA's and can be configured to display information such as the number of orders that have not been picked and packed within a certain timeframe.

For more information, see the following links:

- Console Dashboard
- [Mystique Dashboard Component](#)

Languages and Localization Updates📄

In late 2019, we introduced support for languages other than English to the Fluent platform. As part of the Barossa release, we have increased the number of Beta supported languages to 51 and released the following fully supported languages:

- English-AU
- English-US
- Spanish-Mexican
- Italian
- French

[Click here](#) for a full list of currently supported Beta languages.

As part of this month's release, languages can now be configured at a user level. This enhancement supports scenarios where retailers need to operate in multiple geographies and different users need to access the Fluent platform in different languages. [Click here](#) for more information.

GraphQL Enhancements📄

As part of the Barossa release, the Fluent GraphQL API now provides mutations to remove categories from products. This allows retailers to use the GraphQL API to remove categories from products when a product no longer belongs in a certain category or was added to a category by mistake. Similarly to create product mutations, these mutations follow the principle of specificity and are specific to the product type.

As part of this enhancement, three new mutations have been created, one for each product type.

- `removeCategoriesFromStandardProduct`
- `removeCategoriesFromVariantProduct`
- `removeCategoriesFromGroupProduct`

March - Seppeltsfield Release v4.46¶

Release date - March 6, 2020

This documents lists the fixed issues and enhancements.

User and Role Management¶

Issue: There was a delay of a minimum of 12 hours for the User and Role management changes to be activated. The delay further increased with every subsequent call to the API:

- Add users and assign them to roles
- Add new roles and assign them to users
- Remove roles
- Add new permissions to a role
- Remove permissions from a role

The delay is reduced from 12 hours to 5 minutes.

Webhooks Enhancement¶

Issue: Whenever a custom webhook failed and was retried by platform, the payload of the webhook was lost. As a result. the servicing URL did not receive the information for processing. To fix this, the client had to create incident tickets.

The issue is fixed. The payload of the custom webhook is not lost when it is resent by the platform.

Enhancements in GraphQL API error message¶

Issue: The error messages displayed by the GraphQL API when the character limit entered by the user in the input field exceeded the allowed limit, were unclear.

Solution: An appropriate error code and message is displayed when the input contains the field values that exceed the allowed character limit. The error code is C0141E which conveys the following information:

C represents origin of the problem

141 represents the type of the problem

E represents the class of the problem

Issue: When the GraphQL API received a query containing variables that weren't passed as part of the variables dictionary, an unclear error message was sent by the API.

The issue is fixed. The API responds with an appropriate error code (C0140E) and message. The query is successfully executed if the variable is optional.

Enhancements for User Actions¶

Issue: A user could not enter integer values on the User Action fields because the input field was not displayed.

This issue is fixed. Support for drop-down lists is also added to the User Actions fields.

Enhancement for Payment Functionalities¶

Payment Connector and Payment Orchestration will provide our clients and partners a way to connect with external Payment Providers. Additionally, it will support more complicated Payment scenarios like split payments and post pick payment capture. Users can review the new Payment related models in the GQL schema documentation.

April - Penfolds Release v4.47¶

Release date - April 30, 2020

This document lists the enhancements, fixed issues, and new features in this release.

Salesforce connectors

The Salesforce Commerce Cloud connector is upgraded to support the GraphQL and Global Inventory (GI). For more information about the upgrade and new functionality, see Salesforce Commerce Cloud.

A new Salesforce Service Cloud connector is provided, which enables the Customer Service Representatives (CSR) to view the information about orders stored within Fluent Order Management in the Salesforce Service Cloud application.

For more information about this connector, see Salesforce Service Cloud.

Rules SDK release for Salesforce connectors

A new version of the Fluent SDK is released, which supports the Salesforce Commerce Cloud connector. This SDK includes the `CreateFulfilmentPlansSFCC` demo rule which is added to the base plugin for Product Availability.

For more information about the latest Rules SDK release, see the Rules SDK release notes.

Wilkinson Release Notes

Release date - June 1, 2020

This document lists the enhancements, fixed issues, and new features in this release.

Rules SDK

Issue: Due to the invalid schema.json file, the user was facing issues with the query operation.

Solution: In the new version(1.20202.1.6) of SDK, the schema.json has been refreshed.

For more information about the latest SDK release, see SDK release notes.

Virtual Views

The GraphQL API has been updated for an upcoming feature, Virtual Views scheduled to be released later this year. Virtual Views will provide *onHand* and *buffered* inventory at individual locations as well as aggregations across a network. General Availability (GA) will be announced next quarter.

De Bortoli Release Notes

Release date - August 6, 2020

This document lists the enhancements, fixed issues, and new features in this release.

Virtual Views

An update to the Beta version of Virtual Views is released which includes the complete set of inventory controls and the ability to add and remove decision table rules. Access to these API types is controlled via permissions.

Note

This feature is currently in Beta phase and unavailable for clients.

2019

January - Manaia Release v4.35

Bug Fix

Addressed an issue where newly created users accounts were not being assigned the `ROLE_MANAGER` and `USER_MANAGER` roles using GraphQL.

February - Magic Dirt Release v4.36¶

Overview¶

The Magic Dirt release focuses on adding enhancements across the Fluent platform and addressing several bugs.

Bug Fixes and Enhancements¶

- Resolved an issue where JSON attributes and settings were not being saved as strings when being modified in the Admin Console. This caused many issues in backwards compatibility and caused multiple rules to not function correctly when triggered.
- Addressed issues affecting fulfillments from being created when orders are placed while the inventory load is running.
- Added Enhancements to the GraphQL API `searchVirtualInventory` search query. These enhancements improve the response time of queries using the `searchVirtualInventory` GraphQL API query.

April - Tumbleweed Release v4.37¶

Overview¶

The Tumbleweed release introduces the ability to create a new retailer via the Fluent SDK. In addition, the Tumbleweed release includes several bug fixes, GraphQL API enhancements and general platform enhancements. In particular, these fixes and enhancements have improved the performance of Global Inventory and Fluent's GraphQL API.

Features¶

Create a Retailer

The create a retailer (via the Fluent SDK) capability allows developers to create new retailers for onboarding, testing, and development processing without disturbing 'live' retailer environments. Information on creating a retailer via the Fluent SDK can be found here.

Link Based Query Search Queries

- Support for link based queries across the GraphQL API. This support allows users to search for entities via a supported linkInputType.

Bug Fixes and Enhancements

Global Inventory Performance Enhancements

- Enhancements to the updateInventoryPositions and updateVirtualPositions GraphQL mutations. These enhancements allow users to update multiple inventory positions or virtual positions (bulk update) based on identified criteria by a single GraphQL mutation API call.
-

May - Spiderbait Release v4.38

Overview

With the Spiderbait release, returns are now orchestrated. This lets users and store associates create and manage returns in both the Fluent Admin Console and the ServicePoint in-store interface. In addition, store associates can now see all the items in a customer's store collection order in ServicePoint.

Orchestrated Returns

A new end-to-end workflow has been developed to support the return of online orders in stores. The base workflow supports both Click and Collect (CC) and Home Delivery

(HD) order types, and is available in the Fluent Admin Console and ServicePoint interfaces.

Orchestrated Returns has been built on Fluent's GraphQL API and includes several new rules to enable fully customizable workflow logic to support specific business requirements.

Further information on Orchestrated Returns can be found [here](#) and further information on using returns in Console and ServicePoint can be found [here](#).

Display Order Items in ServicePoint Collection Screen [¶](#)

The Spiderbait release includes a new capability that lets store associates view the items in a customer's store collection within ServicePoint. Information on configuring and setting up this capability can be found [here](#).

Enhancements and Bug fixes [¶](#)

- Fixed issue where previous plugin install failure prevented subsequent successful installations.
- Fixed dependency conflicts and issues in the SDK generated plugin project maven configuration.

May - Midnight Oil Release v4.39 [¶](#)

Overview [¶](#)

The Midnight Oil release introduces several enhancements to the Fluent platform. A key enhancement is the ability to configure and identify major and minor changes to delivery addresses. When a major change is made, the fulfillment of the order will now be canceled. In addition, the Midnight Oil release includes several updates to the SDK and general bug fixes and improvements.

Features [¶](#)

Change Delivery Address Enhancements

When a change of address is requested in Console, the details of the currently entered address are displayed and can be changed in accordance with the request of a customer. If a customer requests a major change to the delivery address (i.e the entered delivery address identified the wrong country of delivery), the fulfillment of the order (if created) will be canceled. If a minor change to the delivery address is requested (a change to the street number), no change will be made to the fulfillment. The midnight oil release includes a setting that can be configured to identify what constitutes a major change. More information on the change delivery address feature can be found [here](#) and information on the setting can be found [here](#).

Evergreen SDK Link in Lingo

On each release of the SDK, Lingo now provides an evergreen link to the latest SDK download. This means that a download of the latest SDK will always be available on Lingo. The evergreen link to the SDK download can be found [here](#)

Rubix Orchestration & Fluent SDK Updates

Added GraphQL Response Data and Errors to Audit Log Events when GraphQL API Exceptions occur from Queries and Mutations in Workflows

Previously, when errors were returned by the GraphQL API to the Rubix Engine via the API Client, an `FluentGraphQLAPIException` was created, which was logged in the Audit Events. This log did not include the source GraphQL Errors as indicated within the GraphQL Response Object. As of the Midnight Oil Release, the full Data Response Object will be included within the Audit Event Logs, so that Developers and Support staff can easily understand the root cause of the GraphQL API Errors during workflow executions.

Added Cause Parameter to SDK Provided Exceptions

The following SDK Provided Exceptions now provide constructors with a Throwable cause parameter, enabling Developers to pass in a caught exception from inside of a custom Rule. Prior to the Midnight Oil Release, these exceptions did not cater for adding a cause exception. Since Rubix automatically creates Audit Log Events when exceptions are thrown or bubbled through Rules, the cause exception of the issue

should be available to the Audit Log Event to assist Developers and Support staff in root cause analysis and identification. As of the Midnight Oil Release, Audit Log Events will now include the cause exception information if provided by the rule.

Please note, this is only applicable when the developer has thrown one of the following exceptions as a result of catching a different exception inside of the rule logic. Typically, we recommend allowing the cause exception to bubble through the rule, however, there are cases where the cause exception is caught, and one of the following exceptions has then been thrown back to Rubix:

- ApiException
- AuditableException
- NotFoundException
- RubixException
- RuleException
- RulesetException

GraphQL Schema Docs Enhancements🔗

Added Auto-Generated Schema Documentation for Orchestrateable Fields🔗

As part of an ongoing initiative to bring consistency and improvement to our API Documentation, we have added auto-generated documentation to 4 key fields within the Orchestrateable interface. The goal is to provide Developers with meaningful documentation to key fields within the Orchestration domain so that they can easily understand how these fields work within their workflows.

For example:

Added Auto-Generated Schema Documentation for Orchestrateable Create Mutations🔗

Additionally, we have added auto-generated documentation to the Create mutations for entities implementing the Orchestrateable interface. This provides Developers with

clear information on the Orchestration Event that will be triggered by the mutation, allowing them to implement workflows for those entities.

For example:

New Rules¶

- **ChangeOrderDeliveryAddress** - This rule allows a delivery address to be changed based on the request of a customer.
- **EvaluateFulfilmentsForAddressChange** - This rule decides whether the address change is major or minor based on the address fields that have been modified.

Bug Fixes¶

- Fixed an issue where the CreateReturnOrderFromOrder rule accepted stringified JSON instead of base JSON.
- Fixed an issue where the CreateReturnFulfilment rule expected a lodged location even after a pickup location has been identified and passed through the rule.
- Fixed an issue where the Store Locator widget did not provide meaningful feedback to queried postcodes that did not return any results

June - Ratcat Release v4.40¶

Overview¶

The Ratcat release includes several stability enhancements. A key enhancement included in this release is the improvement of the platform's compatibility with the recently released orchestrated returns functionality. In addition, the Ratcat release also includes several new rules to support and enhance the Fluent developer experience.

New Rules¶

- [AddStringEventAttributeToEntity](#)
- [SendEventWhenBooleanEntityAttributesAreTrue](#)
- [SendEventWhenEntityAttributeExistsOrNot](#)
- [SendEventWhenEntityAttributeValueEquals](#)

Bug Fixes¶

- Fixed an issue where data in the Admin Console disappeared and a refresh of the screen resulted in no change.
- Fixed an issue where orders created using the REST API were not able to create returns using the recently release Orchestrated returns functionality.

July - Custard Release v4.41¶

Fluent-fun-fact

Custard is an Australian indie rock band formed in 1989 in Brisbane, Australia. They are often referred to as "Custaro" due to frequent misreadings of their name. In 1996 and 1997 they toured with Weezer, Frank Black, Beck and the Presidents of the USA.

Overview¶

The Custard release introduces several key capabilities to the Fluent platform. These key capabilities include - phase one of appeasements, a new GraphQL powered location workflow to enable cross retailer support to home delivery orders, and changes to the way workflows are versioned across the Fluent platform.

Appeasements - Phase 1¶

As part of the Custard release, appeasements are now supported by both Click & Collect and Home Delivery configured workflows.

The video below provides a high-level introduction to the appeasements capability.

The Custard release includes a new appeasements workflow that can be configured and added to an order workflow (either HD or CC). Documentation on the appeasements workflow and a high-level diagram can be found [here](#).

Information on configuring the appeasements capability and the associated rules can be found [here](#).

Documentation on using the appeasements capability in the Admin Console, can be found [here](#).

New GraphQL Powered Cross Retailer Enabled Location Workflow [¶](#)

The Custard release includes a new GraphQL powered Cross Retailer Enabled Location Workflow which enables retailers to share inventory and fulfill orders from multiple retailers in ServicePoint.

Documentation on this workflow and the associated rules, can be found [here](#).

Information on the settings required to configure this workflow to enable cross retailer support, can be found [here](#).

Workflow Versioning [¶](#)

In the Custard release, the Workflow API has been updated to support setting a specific workflow version. Users can now decide whether or not to increase the major version or not.

For more information on Workflow Versioning, and the Workflow API, please see [Lingo](#).

Base Rule Library Updates [¶](#)

In addition to the new rules created to support appeasements and the new cross retailer enabled location workflow, a number of other rules have also been added to the rule library. These rules provide and demonstrate best practice rule definition and implementation. The source code for each of these rules is provided within the

foundation plugin available with the Fluent SDK. For more information, please see the Rule Library on Lingo.

- [AddStringEventAttributeToEntity](#)
- [SendEventWhenBooleanEntityAttributesAreTrue](#)
- [SendEventWhenEntityAttributeExistsOrNot](#)
- [SendEventWhenEntityAttributeValueEquals](#)

SDK Updates ¶

In addition to the appeasement and location rules, the latest SDK includes:

- Source code for all base plug-in rules.
- Enhancements to the `SendEventToUpdateInventoryQuantity` and `SendEventForOrderGQL` rules.

Bug Fixes ¶

- Fixed an issue where user actions were not being displayed in GI-enabled screens.
- Fixed an issue impacting the `ChangeStateGQL` rule working with Product entities.
- Fixed an issue impacting Windows users whilst building the Plugin Project. Previously, the GraphQL Client Maven Plugin included with the Plugin Project would cause a failed build when attempting to locate the node executable within the correctly installed and configured system PATH. We have resolved the issue, so that node will be successfully found on the Windows environment, as long as it is installed and registered on the PATH.

August - Savage Garden Release v4.42 ¶

Fluent-fun-fact

Originally formed in 1993 as Red Edge, Savage Garden were a pop band that enjoyed international success. Their most well known song, "Truly Madly Deeply", reached number one in Australia, Canada

and the United States. The band was named after a phrase from The Vampire Chronicles by Anne Rice, "Beauty was a Savage Garden".

Enhancements and Bug Fixes¶

- ServicePoint enhancements to support global inventory based order support.
- Updated the error message displayed when a workflow cannot be found. The existing error message was a lower level technical exception that did not provide a user-friendly indication of the root cause of the issue.
- Resolved an issue that was causing GraphQL Create Mutation events to not fire when the authentication token expired for a logged-in user.
- Resolved an issue caused by adding an inline fragment (typecast) to a GraphQL query that led to a blank screen in the Admin Console.
- Fixes to the Order Items component to resolve issues created during the customer collection process.
- Resolved an issue that was causing the Admin Console to fail to display user actions in article pages.

September - You Am I Release v4.43¶

Fluent-fun-fact

You Am I are an Australian alternative rock band, formed in December 1989. They were the first Australian band to release three successive albums that debuted at number-one on the Australian Charts. In 1996-1997 they supported the Lemonheads on tour and in 1998 they toured with Oasis.

In-Flight Order Revisions¶

The September You Am I release introduces in-flight order revisions to the Fluent platform. As part of this release, customer care agents can use the Fluent Admin Console to add, remove and revise order items.

As part of the You Am I release, the following order revisions are available.

- Add an order item (by quantity or by searching, selecting and adding a different/new order item).
- Remove an order item.

Click [here](#) for information on configuring the in-flight order revisions capability. For information on using the capability in the Fluent Admin Console, click [here](#).

New Rules ¶

To support in-flight order revisions, the You Am I release includes the following new rules:

- CreateRevisedOrder
- [CreateCreditMemoForRevisedOrder](#)
- [SendEventForRevisedOrderToBillingAccount](#)
- [ValidateRevisedOrder](#)
- [SendEventIfAttributePresent](#)

Enhancements and Bug Fixes ¶

- Updates to the GraphQL API Order search to allow filtering of orders based on a customer's reference.
- Fixed issues with ServicePoint tables showing unrecognisable content.
- Added capabilities to the Mystique manifest to allow viewing of more than 10 settings per retailer.

Updates ¶

October 17, 2019 - An update was rolled out to the Admin Console that includes the following fixes:

- Fixed an issue that was causing errors and blank pages when adding a retailer-specific role to a user using the *User* module of the Admin Console.

October - The Whitlams Release v4.44 ¶

Fluent-fun-fact

The Whitlams are an Australian indie rock band formed in late 1992. They won 'Best Group' at the 1998 ARIA Awards, as well as 'Song of the Year' and 'Best Independent Release' for their third album "Eternal Nightcap". In 2011 this album was placed 27th on the ABC's "My Favourite Album" poll, and more recently was voted no. 17 in "JJJ's Hottest Australian Albums of All Time".

Languages and Localization¶

As part of release v4.44, the Fluent platform allows Beta support for users of ServicePoint and the Fluent Admin Console to configure and view languages other than English.

Beta languages include:

- Arabic
- Chinese (Simplified)
- Czech
- Danish
- Dutch
- Finnish
- French
- German
- Hebrew
- Hindi
- Indonesian
- Italian
- Japanese
- Korean
- Norwegian
- Persian
- Polish
- Portuguese
- Russian
- Spanish
- Swedish
- Turkish

Further information on the new language and localization feature is available [here](#).

GraphQL Enhancements [¶](#)

Improvements relating to GraphQL mutations to allow GraphQL to handle more load. This improves the performance of GraphQL under load and not only directly supports and improves use cases such as batch inventory updates, but also improves the process that is triggered when the GraphQL server receives too many requests at the same time.

Bug Fixes [¶](#)

Change Address User Action: A bug affecting users from updating the address and submitting the latest changes when the "Address change" option is available has now been fixed.

2018

December- Athena Release v4.34 [¶](#)

Overview [¶](#)

The Athena release introduces new Billing Management functionality including GraphQL APIs and platform support for appeasements, as well as enhancements to the Orchestrated returns capability. In addition, this release adds further controls for managing in-flight orders, and enhancements to the Fluent SDK.

Billing Management

Billing Management is designed to help merchants manage financial operations across their organization. In this release, we have built the core framework for appeasements and will continue to expand on this framework across future releases.

With the release of Athena, we have introduced several new Orchestrated entities and GraphQL APIs to support the appeasements capability. These entities and APIs can be used by client and partner developers to create rules that can then be used to build Orchestrated appeasement workflows.

Returns

With the release of Athena, we have introduced several new Orchestrated entities and GraphQL APIs to support the returns capability. Orchestrated returns provide the flexibility for clients to implement their own business logic to manage returns. These Orchestrated entities and operations can be used by client and partner developers to create rules that can then be used to build Orchestrated return workflows.

SDK Updates

This release includes updates and enhancements to the Fluent SDK. These updates and enhancements result in considerable improvements to the overall Fluent SDK user experience. Included in these updates and enhancements are improvements to:

- The SDK installation parameters and required dependencies.
 - The Maven project generation and better alignment to the Maven naming conventions.
 - Improvements to the SDK Postman collection and environment files for more seamless API requests.
 - Improvements to the deployment and execution steps for the Sample Rule Plugin.
-

Orders in Flight: Delivery Channels¶

Change an Order Type from Home Delivery to Click and Collect¶

It is not uncommon for a customer to want to pick up an order that was originally scheduled for delivery. An example could be that a customer wants to pick up an item if the delivery time is too long. When a customer wants to change an order type from Home Delivery to Click and Collect, they need to contact the retailer's customer service department.

In this release, we have introduced the capability to convert a Home Delivery order to a Click and Collect order. This capability allows customer service representatives to change a Home Delivery order type to a Click and Collect order type.

Change the 'Ship To' Address for Home Delivery Orders¶

A request to update a delivery address for an order is something that customer service representatives come across frequently. This can be for a multitude of reasons, such as, incorrect address when purchasing an item, or customers wanting the order to be shipped to a different location. When a customer wants to change and update their delivery address, they will have to contact the retailer's customer service department.

With this release, customer service representatives, are able to update a delivery address in the Fluent Admin Console.

Resolved Bugs¶

- searchVirtualInventory query will now return all relevant positions when searching for over eleven products.
- searchVirtualInventory query will now correctly exclude multiple locations from search results when more than one is marked for exclusion.

October- Apollo Release v4.33¶

Carrier Orchestration Beta

We orchestrated our carrier entity and introduced manifest management to the Fluent platform. As a part of that we have developed a set of rules that clients and partners will be able to use to create a carrier workflow that supports how and when a consignment is booked, manifest is generated and submitted. The new Carrier Orchestration functionality will allow Business Operation Managers to optimize their carrier logistics by customizing workflows across multiple carriers.

Users, Roles and Permissions

This month we have added the User, Roles and Permissions management to our GraphQL API. Clients will now be able to create, better manage and assign roles according to the job functions in their organization. The Role Manager and User Manager roles will provide system administrators with the ability to create roles, assign roles to users, revoke roles from users and assign permissions to roles according to their organizations' functional structure.

Performance Improvements

Overall performance and scalability improvements continue to be worked on behind the scenes, and this release brings platform wide performance and scalability enhancements with a more scalable Database backend. These improvements will be made available to clients after a migration process which will be scheduled in the near future. No effort is required from clients and there will be no downtime during the migration process.

Communications about the migration will be sent out to all clients in the coming weeks and please feel free to reach out to your Account Manager for further details.

Mystique Enhancements

Expanding on our already robust roles and permissions for the Fluent Cloud Platform, we have now added the capability for Business Operations Managers to manage the display of modules in the admin console by allowing the different roles within the business to only view modules that are relevant to them.

GraphQL Enhancements¶

With this release, we have added support for waves in our GraphQL API that will provide more flexibility to our clients when utilizing the exposed data to achieve more customized functionality.

Resolved Bugs¶

- Fixed issue on GraphQL API that throws error for Create wave when workflow version or ref is null.
- Fixed issue where two manifests are being created when the scheduler submits a manifest.
- Fixed issue whereby the Orchestration Editor was not showing all status and any rulesets for Carrier workflow.

August - Poseidon Release v4.32¶

Mystique Enhancements¶

A common request that our clients get from their customers is to change an order type after the order has been placed. With this release, Customer Care Representatives can now easily change an order type in the admin console from Click and Collect to Home Delivery.

As of this release, we have also created a separate tab in the Admin Console modules called 'Activity'. This tab will allow Business Operations Managers to easily track the

actions and view all the changes that happens to an entity. Similar to other Mystique components, activity tab also fully configurable and driven by manifest configurations. Administrators can now add the activity tab to any module and control what and how the activity types are displayed.

GraphQL Enhancements¶

Our focus on GraphQL continues in this release. This month we have implemented query optimisation techniques to improve search query response times.

This reduces the wait time for all search results making it faster to load pages on console and service point for Customer Service Representative and Store Managers respectively. Improvement in query response times also improves the processing of Inventory workflows which process large amounts of data without negatively impacting the normal operational orchestration.

Enterprise Grade Performance¶

Continuing on from our Performance and Scalability Platform enhancements, we are optimising large scale batch processing for Global Inventory clients. We have also continued bedding down the new Events data storage implementation. This includes a number of enhancements to stability and performance, as well as bug fixes. Lastly, we have increased coverage of our v4.1 Events API on this new data storage layer.

Please reach out to your Fluent Commerce account manager for further information.

Resolved Bugs¶

- Fixed issue to stop the store locator widget from freezing.
- Fixed issue where the location type reverts back to the initial selection in list mode.
- Fixed ability to scan to storage area

- Fixed a bug with attributes that prevented complex attributes to show on service point
- Fixed a bug that prevented creation of controls without passing values
-

July 2018 - Hermes Release v4.31 ¶

Mystique Enhancements ¶

Extending on the Dionysus BETA launch of Mystique, this months release will introduce new enhancements and fixes to the dynamic UI capability and user experience. Hermes V4.31 introduces new GraphQL based search functionality as well as the ability to control Tab Components and User Actions within the dynamic pages.

GraphQL Enhancements ¶

Our focus on GraphQL continues with the Hermes v4.31 release. This month we are releasing advanced GraphQL entity level permissions to provide more accurate control and the ability to assign permissions relative to the organisational structure or the users specific operational responsibility . Our GraphQL search queries have also been extended with the release of date and time based search operations for more comprehensive reporting and exporting of data as well as filtering product data within a given date range.

We have also released enhancements to our backward compatibility and cross functionality with Mystique.

Enterprise Grade Performance ¶

With this release, we're bringing some significant performance and scalability enhancements to the platform. A new highly scalable data storage layer for our v4.1 Events API will deliver improved performance and scale across all event based

platform operations, including orchestration, APIs, and integration. This will facilitate superior stability at a large scale and deliver significant improvements to our enterprise grade platform performance and scalability.

Please note: Migration to the optimised Event API will be available in the coming weeks for orchestration enabled clients. Please contact your Fluent Commerce account manager for further information.

Additionally, we've made some significant optimisations to our Inventory Batch API for Global Inventory clients. The changes are designed specifically for orchestrated inventory management, and provide large scale batch upload capabilities at high speed. Global Inventory clients who are using full inventory orchestration catalogues can reach out to their Fluent Commerce account manager for further information.

For clients seeking to migrate to inventory orchestration, please also reach out to your Fluent Commerce account manager for further info.

Resolved Bugs ¶

- Fix to return a UI error message in the event of an incorrect manifest configuration in Mystique.
- Fix to the link format within Mystiques card component.
- Fix to the openingSchedule operation for the UpdateLocation mutation within GraphQL.
- Fix to enable auto data refresh within the ServicePoint Dashboard.
- Fix to allow packing slips to be generated when creating multiple articles for a fulfilment.

May - Dionysus Release v4.30 ¶

Workflow driven UX for Omnichannel ¶

Dionysus welcomes the exciting BETA launch of Mystique, Dynamic UI Control within the Fluent Console. Mystique is a significant addition to the customer service experience our platform provides and will enable users to create their own Console UI navigation as well as edit entities within the UI.

Key Features¶

- Dynamic user management experience.
- Configurable left-navigation menu items.
- Dynamic views, labels and fields based on configuration and GQL queries.
- Dynamic and contextual user-actions based on workflow configuration.
- Ability to create and edit all entities including non-workflow entities.

Key Benefits¶

- Enables users to customise their admin consoles to meet their organisation and processes.
- Ability to configure contextual actions based on roles and process state.
- Enables centralised management of orders, products, inventory, fulfilment's and locations.

GraphQL Enhancements¶

Our focus on GraphQL continues with Dionysus. This month we are releasing support for Pattern Based Searching. This will provide significantly deeper and more efficient search capabilities for users to perform wildcard based and case in-sensitive search queries even when the exact search details are not available.

Additional enhancements to our GraphQL API include the addition of the User and Fulfilment Options entities to the GraphQL Schema, ID type support for UUIDs (Universally Unique Identifiers) and an update to the default sort order for query results.

Further information on GraphQL Pattern Based Searching and the new default sort order is available on the [Working with GraphQL Queries](#) developer page and [GraphQL Home](#) page.

DIONYSUS v4.30 GraphQL - Release Summary [¶](#)

- 'FulfilmentOptions' and 'FulfilmentPlans' have been added to GraphQL.
- 'User' has been added to GraphQL.
- 'ID' type now supports UUIDs.
- 'JSON' type fields now support JSON arrays.
- 'OrderItems' can now be updated using the 'updateOrder' mutation.
- Search operations now support pattern based string searching. This greatly increases the chances of finding the data for which exact parameters are not known.
- Search operations have also been extended to include results from case-insensitive comparisons.
- All results for a query are now sorted on their creation date by default. This makes the response order more definitive and reliable.
- Get order comments v4.1 API has been updated to include order comments created from GraphQL.

DIONYSUS v4.30 GraphQL - Resolved Bugs [¶](#)

- Able to retrieve 'deliveryAddress' from 'fulfilmentChoice' for data created using the v4.1 APIs. External Reference for the consignments is now available for update in the 'updateConsignment' mutation.

Resolved Bugs [¶](#)

- Ability to bulk "mark as collected" in courier collections tab of ServicePoint.
- Order History tab correctly showing all entity status changes
- Scheduled events correctly displayed
-

April - Demeter Release v4.29 [¶](#)

ServicePoint - Single Store Dashboard. [¶](#)

The new dashboard will encourage better staff engagement by providing store associates with a quick overview of real-time metrics to measure and review against their relevant KPI's at a daily level. By surfacing live and helpful information such as wave counts nearing expiry, the dashboard will also help to promote overall efficiency and better customer satisfaction levels.

GraphQL Enhancements¶

Our focus on GraphQL continues with Demeter. This month we are releasing performance support for GraphQL to return responses with larger results within a single request as well as the addition of a create carrier mutation to allow our Expert Services team and partners to easily add a new carrier option when required.

As part of the Demeter release, GraphQL based workflows will now also support the sending of information via webhooks.

March - Calypso Release v4.28¶

GraphQL Enhancements¶

Following the functional deployment of GraphQL to the Fluent Commerce platform in last month's Harmonia release, we have been busy adding additional capability.

Inventory query¶

This month's Calypso release will provide an inventory search query for GraphQL out-of-the-box. This will enable users to perform an inventory search query against virtual catalogues to return virtual positions of requested products by locations across a network.

Further information is available in the GraphQL Schema under:

`Query > SearchVirtualInventory`

Implementation of GraphQL rules within v4.1 REST workflows.¶

GraphQL rules can now be supported within V4.1 REST based workflows. This enhancement adds functional logic to our existing workflows in scenarios not covered by existing v4.1 REST APIs.

Global Inventory Compatibility¶

Our Inventory, Fulfilment, Location, Category, Network, Product and SKU REST V4.1 APIs are now able to generate Global Inventory events.

This enables our existing, orchestration enabled users, to utilise the benefits of virtual catalogues within Global Inventory without changing their existing integrations with V4.1 REST APIs.

Wave Enhancements¶

Added functionality to download Click & Collect plus Carrier labels for a delivery to store order.¶

Users can now download a consignment label as well as a Click & Collect label. This will support a use case where by fulfilment of a Click & Collect order is requirement from a store which is different to the one chosen for collection by the customer.

Multiple articles per fulfilment¶

When packing an order, store staff can now create multiple articles per fulfilment. This will enable order items to be packed in different parcel sizes and split over multiple parcels to minimise shipping costs.

February - Harmonia Release v4.27¶

GraphQL Enhancements¶

Official release of GraphQL¶

Following on from the Whitemane introduction of our BETA GraphQL API, we are excited to announce the functional deployment of GraphQL to the Fluent Commerce platform.

- GraphQL now includes mutations for all major entity types including the all new Global Inventory.
 - We have enhanced our SDK to now include the GraphQL client.
 - GraphQL is now out of BETA with an updated Schema.
 - We will continue to roll out comprehensive developer documentation.
-

Introducing Global Inventory¶

A major focus for the Harmonia release has been the introduction of our new Global Inventory solution. This brand new capability now enables advanced control of inventory management through orchestrated workflows.

Global Inventory includes:

- Product Catalogue Orchestration.
- Inventory Catalogue Orchestration.
- Catalogue Control Orchestration.
- Virtual Catalogue Orchestration.

Note

The Harmonia Global Inventory release is an optional capability. Existing users will not be automatically enabled. Please contact your Fluent Commerce representative to find out more.

2017

November - Whitemane Release v4.25¶

BETA launch of GraphQL¶

A major focus for the Whitemane release was the introduction of our new BETA GraphQL API.

We've got big plans for GraphQL as our future API standard and are excited to release this early stage BETA version to help our clients and partners begin familiarising themselves.

In it's pre-production guise GraphQL currently supports permission based READ operations (GET and SEARCH) across primary datatypes with much more to come (including CREATE and MODIFY operations) in future releases.

Wave Orchestration Enhancements¶

The events that create a wave and transition an individual wave into the Complete Status are now both generated from within the wave workflow itself. We have also released a new order orchestration rule that creates consignments for articles.

Resolved Bugs¶

This months fixes and improvements include:

- APPS-28: Altered the grammar of Tender Types displayed on the Packing Slip.
- PT-21: Error caused by plugins having unresolved dependencies can now be surfaced using orchestration audit events.
-

October - Fireheart Release v4.24

Improvements to Wave Orchestration

Fireheart introduces exciting enhancements to our Wave Orchestration with the release of two new rules, facilitating events to be conditionally sent when all fulfilment are in given statuses.

SendEventForWavesOnVerifyingAllFulfilmentStates

Our users will now be able to send events when all fulfilment related to a Wave are in a single or set of chosen statuses.

SendEventForWave

This new rule will send an event from a fulfilment to it's parent Wave allowing for fulfilment to notify Waves of important events such as state changes.

Note

An issue impacting existing Wave Orchestration users has also been resolved as part of Fireheart. Please see HYDRA-12 in Fixes & Improvements below.

Global Configuration Management Enhancements

Payment Method¶

We have expanded the capability of our Configuration Settings, (launched as part of our Windrunner release in September) with the introduction of the PAYMENT.METHOD setting. This setting will now allow users to add payment methods to their existing list via the Settings API.

Packing Slip Control¶

The new PACKING_SLIP.SHOW_PAYMENT_METHOD setting can be used to control whether or not the payment method will appear in the packing slip.

Resolved Bugs¶

- VOLTRON-24: ConsignmentRef information to be saved when consignments are created from workflows/events.
- HYDRA-32: Changes implemented to improve the performance of a database query used to access inventory from networks shared between retailers (Global Inventory Retailer).
- HYDRA-12: For Orchestrated users, we have resolved an issue whereby Waves were being stuck as 'In Progress' on the Pick and Pack screen in a Wave if all items within the Wave were rejected or expired.

September - Windrunner Release v4.23¶

Shared Inventory¶

This month's Windrunner release enables users to set a single virtual retailer as the custodian of an inventory pool. The set virtual retailer can then manage the parameters as to how that inventory can be drawn upon by other retailers across that account.

Configuration Settings Enhancements¶

This release also sees the availability of Settings to our catalogue of publicly available Fluent APIs and makes way for two functional platform enhancements; Configuration Settings and Multi Level Settings

Configuration Settings¶

By use of the Settings API partners will be able to configure their own Payment Providers and Currency as per their unique needs without support from Fluent Commerce

Multi Level Settings¶

We are introducing the flexibility for our clients to tailor feature and capability configurations in a hierarchical manner, such that the most specific level of setting overrides the settings applied in the tier above.

Updated Packing Slip¶

To provide customers visibility of the purchased item cost we have now included the Unit Price alongside Quantity on the Packing Slip.

Fluent Orchestration Rules¶

We have added another member to our foundation-rules library. The rule is called CreateTransactionForOrder and can be used to create transactions based on common transaction-related attributes.

Resolved Bugs¶

- HYDRA-4: Resolved a bug whereby Orchestration enabled clients had to refresh the Order module to see the recent most updates.
- HYDRA-16: Enhanced the Product API to return more specific errors when requests are malformed.
- HYRDA-26: Fix made to avoid users username and password inadvertently clearing in Console after re-authentication.
- RUB-606: Token authentication expiry failure now reported with an error 401 code instead of the incorrect error 500 code.

August - Doomhammer Release v4.22¶

Wave Orchestration Enhancements¶

In this months Doomhammer release we have orchestrated the Pick & Pack flow - a core part of the Fluent Retail fulfilment platform. We call this Wave Orchestration and it includes:

- A revamped Pick / Pack module in the ServicePoint In-store App which is now underpinned by our Orchestration Engine to enable configuration upon workflow requirements.
- An orchestrated default wave workflow (including new rules) which will seamlessly continue to support our standard order workflow scenarios.
- Additional wave order number option: 1 Order.

What does this mean for existing users?¶

Doomhammer introduces a new revamped Pick / Pack module. Any existing non-orchestration clients will continue using the current v3 module with no impact to their previous operation.

Enhanced networks and location capabilities¶

We have updated and published the Network API. This enables wider reaching network and location capabilities for our clients including:

- Ability to create and configure networks with greater flexibility for custom location types.
 - Ability to access networks using network name rather than just network ID
 - Additional APIs to manage location data and attributes
-

Resolved Bugs¶

- (CP-6) Issue that would affect clients validating a business address in the US has been investigated and fixed.
- (COM-510) Issue causing Inventory client API to incorrectly report ATS calculation for 'one agent in multiple HD networks' scenario has been investigated and fixed.

July - Lorewalker Release v4.21¶

Store Locator Widget Enhancements¶

This month's Lorewalker release introduces new enhancements for users of our Store Locator Widget. A new setting will now allow users to turn on the Directions field. Turning on the Directions field will make the directions value visible in the widget for any location/s they have been entered for.

Further to this is the inclusion of a non-mandatory checkbox feature as well as a string link on locations. The text within the checkbox is customisable and will trigger an onChange event to provide the status of the checkbox - checked/unchecked. The text within the string link is customisable and will open a new window when clicked.

All three widget enhancements are autonomous for use in any combination and can be turned on via an initialise parameter ensuring any user not wishing to enable them will experience no change to their usual operation upon release.

API Enhancements¶

A number of improvements have been made to our Flex SDK including:

- Location API updated to include directions field.
 - Transaction API added to API Client.
 - Article POST API in API Client updated to add consignment.
 - Return Transaction API updated to support AfterPay payment method and payment provider.
 - Overhaul of the SDK README and Documentation.
-

Orchestration Audit events¶

Lorewalker will also introduce a number of event enhancements which will now enable audit events to be returned via the Event API to help users identify and troubleshoot issues. New event additions include:

- **Source event** - every ORCHESTRATION and ORCHESTRATION_AUDIT event will reference the source event they are related to.
- **Snapshot** - every entity will have a snapshot of its current structure recorded prior to processing an event. This provides a useful way to track changes to an entity when it is processed by multiple events.
- **Rule** and **Ruleset** audits - Every time a ruleset or rule is ran as part of a workflow, a new event is created. We record details such as rule names, timings, param values etc.
- **Exception Audit** - Any exceptions that are caught on the orchestration engine will produce an exception audit which includes a full stack trace as well as the name of the rule and ruleset that was executing at that time.

These enhancements are currently only available through querying the Event API. Inclusion within the Flex Console Events module will be available in a future release.

Resolved Bugs¶

- (SP-706) ServicePoint - Fix to align the quantities displayed against the Unallocated Orders table in WAVE and the Pick & Pack badge.
- (COM-497) ServicePoint - Fix to align the quantities displayed against the Uncollected Articles summary badge and the Uncollected Articles table.
- (SP-707) ServicePoint - Fix made to the 'Items in this article' quantity to remove the count from zero (ie. "1 of 0")
- (SP-709) Widget - Fix made to support widget appearing in Magento demo site
- (SP-713) ServicePoint - Fix to the arrivals flow in order to correctly show the quantities displayed for a partial fulfilment.
- (SP-714) ServicePoint - Fix to the Courier Collections detail screen to display the correct quantity of items confirmed for Home Delivery.
- (RUB-583) SDK - Fix to the SKU Reference Value field being defined as a double rather than String
- (RUB-585) SDK - Fix to the UI compatibility for the Sample Workflow
- (RUB-591) Orchestration - Fix to the Event_Status returning as a NO_MATCH within the orchestration Audit events
- (COM-496) ServicePoint - Fix to support confirmation action for items within an expired fulfilment
- (COM-504) Console - Storage Areas now populate within Admin Console based on the Order destination Location

June - Sunstrider Release v4.20¶

Enhancements¶

The Sunstrider release focused on rebuilding our core platform build, quality and release processes in order to improve our underlying scalability across all global regions. Called One-Click-Deploy, we're very proud of the outcome which allows us to build and release entire environments into any global region in under 15minutes.

For our clients and partners this further improves our ability to automatically scale from a release and performance perspective across all regions.

Resolved Bugs¶

- (SP-693) Refunds module has been updated to remove the automated process of submitting a \$0.00 refund balance to the payment method not selected for the refund.
 - (SP-703) ServicePoint - Some barcodes not scanning but are selectable on screen
 - (RUB-576) SendEventForArticle not correctly handling uncached Articles and Consignments
 - (COM-466) Event API is not correctly returning the Events filtered by retailer ID
 - (COM-432) RetailerId is displayed as 0 for events generated by system user in U
-

Update: 11-7-2017¶

- (SP-710 / 705 / 708) Fixes to view of orders in Admin Console when displaying fulfilment details. Note this fix is only applicable to clients using Orchestration.
- (RUB-580) Improved authentication logic to enable the API client to handle tokens that can expire

May - Ravencrest Release v4.19¶

Introducing the new Order History tab¶

We have built a new tab titled History within the Orders module in Flex Console. The History tab will provide Flex Console users with an easy to use detailed list of events for a customer's order and any related fulfilment or articles. For example, Flex Console users will be able to view exactly when an Order was created, when an Article arrived in store, or when a customer collected their Article.

This feature is available for Flex Orchestration enabled clients only. Contact your account manager for more information.

Training Items pilot¶

We are launching a pilot of a new ServicePoint module, Training Items. It will give ServicePoint users the ability to create example Orders to use in staff training scenarios. From a simple interface in ServicePoint, users will be able to create up to five training articles at a time which will appear instantly in the Arrivals flow. From there, the user will be able to move the article through the Customer Collections flow all the way to completion. ServicePoint users will also have the option to enter their phone number to truly experience sms alerts exactly as a customer would.

It will be available to certain clients only during the pilot and will be made available for all Flex Orchestration enabled clients at a later date.

Events Enhancement¶

The addition of a new event type, `Orchestration_Audit`, is now available for all Orchestration enabled clients. These events can be searched in the event search, retrieved via API and are visible in the Order History tab. All events which occur during an orchestration action are now recorded as `Orchestration_Audit` events, which will provide better visibility and traceability. Some of the events now available include customer notification via sms or email and article status update to Awaiting Collection.

The event status will also now be returned in the Events Search module in Flex Console, and will be visible for all clients. This will allow users to easily identify if an event is Complete, Pending or Failed.

April - Stormrage Release v4.18¶

Upgrade to latest version of Console and ServicePoint¶

The key feature of the April Release is the exciting version upgrade for Flex ServicePoint users as well as the newly released user management features within Flex Console.

Major items:

- Flex ServicePoint In-store App Version 1 users gain access to Version 3 within the Fluent Retail SandBox Environment. More details are available [here](#).
- Flex ServicePoint In-store App Version 2 users automatically gain access to the updated and latest Version 3. More details are available [here](#).
- Flex Console now introduces User Management as well as new module features such as Events and Orchestration. More details are available [here](#).

A detailed series of update guides as well as a technical update guide have been developed and communicated with Fluent Retail clients and partners prior to this release notification.

User Management

With the introduction of the new User Management and Permissions functionality in the latest version of Flex Console, users can now be assigned Roles with appropriate permission levels. The user's permissions determine which of the modules they have access to within the Flex Console

Multi-retailer order management

Leveraging the introduction of User Management and Permissions, Flex Console has been enhanced to support multi-retailer order management.

The key outcomes and functions of this enhancement are:

Enhanced Search And View 

Ability for a user to search and view orders across multiple retailers based on their permission level.

Example: with the introduction of the new roles and permissions capability (see below) if a user has been assigned the role of Order Manager for ALL Retailers in their account then they will have access to the Orders module within Flex Console and the subsequent ability to search and view orders from across all retailers or filtered retailers within their client account.

Increased Flexibility¶

With the multi-retailer order management enhancement users will have the ability to perform actions across multiple retailers based on their permission.

The Flex Console User Guide has been updated to reflect these enhancements and is available for review here: [Flex Console User Guide](#).

Key updates to the guide include:

- Updated orders screen now showing filters at the top.
- Updated Order Search and List description explaining this extended functionality.

Event Management¶

This month's release introduces an upgrade to our Events capability which includes an updated Event API as well as enhanced functionality within Flex Console such as the ability to search a wide range of events undertaken within the Flex platform.

Major Enhancements¶

The key functions of this upgrade are:

- New event data store and a wider spectrum of events being recorded from multiple sources now allow full visibility of any operations occurring within Flex Commerce Cloud
- The introduction of new APIs to record, update and retrieve events

- The introduction of modules within Flex Console to display and query events

Within the newly introduced events search users can choose the status of the event, the applicable retailer, the type of event being queried as well as a date range for the search. Whilst the applications for this capability are varied here are two common use cases that will be greatly enhanced:

- Record when an SMS notification was sent to a customer as well as the outcome of that send (ie a successful delivery or failed delivery)
 - Record exactly when an order was cancelled and by whom (for example if it was cancelled in error you can understand why and how)
-

Fulfilment Options Orchestration¶

Following on from last month's Beta Release this month introduces the release of the updated Fulfilment Options entity. With this update, Fulfilment Plans can now be tailored to any scenario via Flex Orchestration and will provide customers with visibility on their various fulfilment options directly from the product pages, as well as from the cart and checkout pages within any of the retailer's online channels.

The Fulfilment Options entity also supports any plugin required by a client to complete the logic of their specific use case.

Use case scenarios¶

The updated Fulfilment Options entity allows users to deliver dynamic fulfilment plans to their customers during their online purchasing journey. Below are three common fulfilment option scenarios users will now be able to complete with their own custom rules and workflows:

- Specific fulfilment plans can be offered for orders containing products with certain attributes. For example, if an order contains a bulky item, plans offered only cover click & collect or deliveries that cover short distances, whilst additional plans can be offered for orders containing only smaller items.

- Targeted promotions can be designed and executed for customers based on their delivery distance from a store. For example, customers with a delivery address within a 20km radius of a store (or where the products are being dispatched from) could be eligible for discounted shipping.
- Delivery types can be presented based on customer location and basket contents. For example, Same-day or express delivery offered for customers within major metropolitan areas where all the items in the basket are being fulfilled from a single, local fulfilment centre.
- Fulfilment options dynamically tuned to reflect real-time change in store fulfilment ETA or stock availability for the order items selected by the customer

Major Fulfilment Options Enhancements¶¶

- Best Practice workflow
- Full API Support
- Full Orchestration Editor Support

March - BlackHand Release v4.17¶¶

Enhanced User Management¶¶

This enhancement provides Flex Console administration users with the access to view, add and edit their users via an easy to use interface within the navigation bar of the Flex Console. Also available this month:

- Search and filter tools for users
- Create and update tool for user details
- Granting of permissions by assigning users to existing roles

Ongoing usability enhancements to the Flex Console¶¶

Together with the enhanced user management, this month also introduces ongoing usability enhancements to the Flex Console user interface. Whilst current changes are

minimal, this refresh paves the way for exciting and ongoing future improvements. Details will be communicated soon.

Beta Release of Fulfilment Options Orchestration

With the addition of Fulfilment Options orchestration, you will now be able to deliver dynamic fulfilment information (fulfilment plans) to your customers during their online purchasing journey. Fulfilment Options will allow you to provide flexible fulfilment plans which take into consideration:

- Available inventory across your stores and warehouses
- Available inventory across your drop ship vendors
- Delivery types including click & collect and home delivery
- Freight costs and rates
- Custom business rules encompassing customer, order and delivery preferences

Additional permissions for the Orchestration Editor

Applicable to Fluent Retail clients using our industry leading Flex Orchestration, this product enhancement empowers Flex Console administration users to modify the use of the Flex Orchestration Editor by assigning VIEW and EDIT permissions. This allows users with VIEW permissions full view only access to all workflow information whilst restricting editing to only those users with the EDIT permission. Contact your Fluent Retail representative to find out more about Flex Orchestration.

Platform locations now support custom attributes

Via the existing Locations APIs you can now add and update custom attributes associated with locations. These attributes are available to rules built using the Orchestration Editor.

Fix to ATS Calculations¶

Improvements to the Available To Sell inventory calculations address an edge case occurring when bulk editing ATS inventory and causing occasional discrepancies between the totalAvailableQty value stored and the same value retrieved via the Event API. This resolution now ensures that totalAvailableQty is accurate for each event, supporting use cases such as bulk polling of Events related to inventory calculation updates.