

## EDGE 16.27.0 – Maroon Bells

Release Notes 1.0

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## 1. Document Information

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This document describes the improvements made to the EDGE platform for the EDGE 16.27.0 release.

### 1.1 Version History

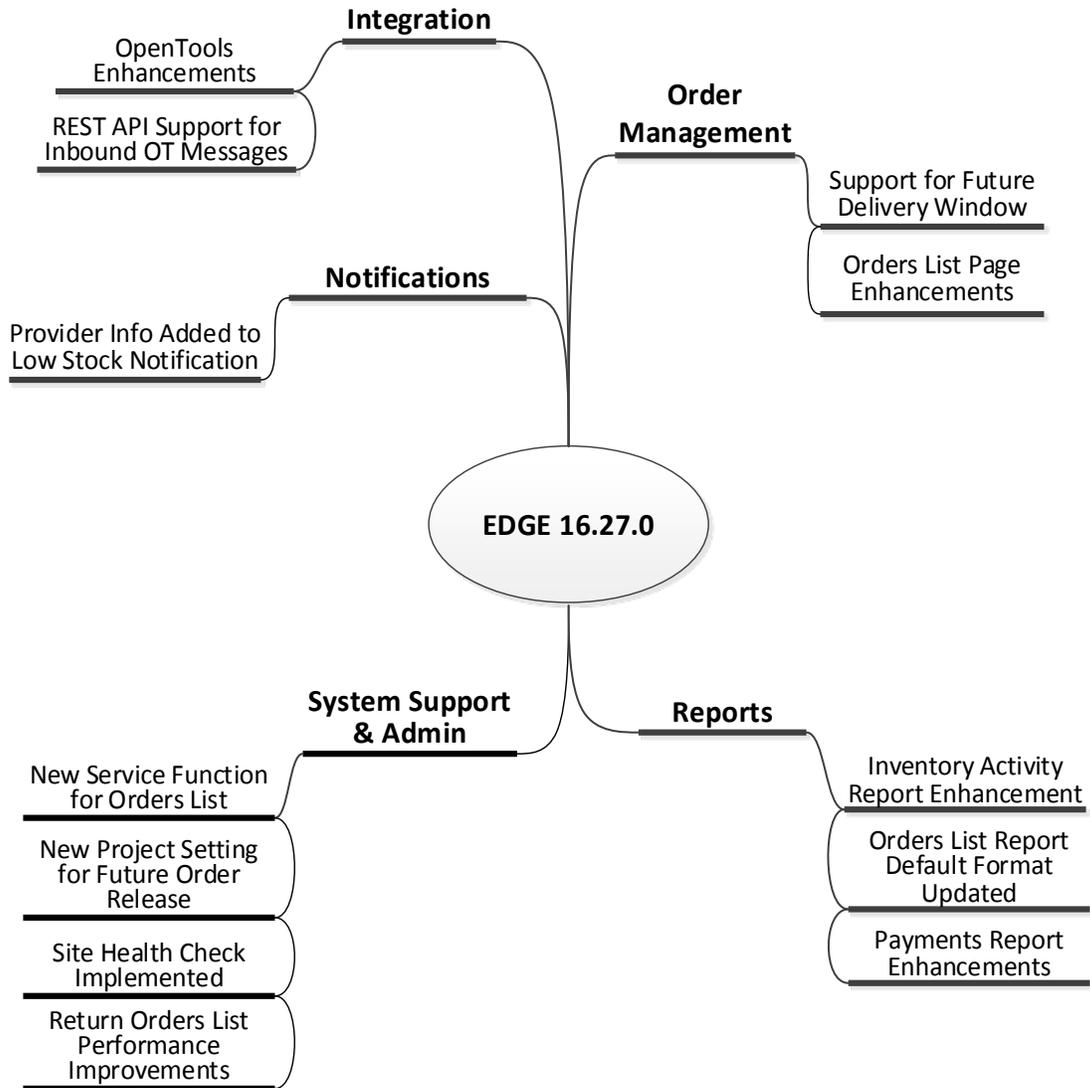
Document Version	EDGE Version	Date	Created/Updated By	Description/Reason
V1.0	16.27.0	05/14/2019	MAM	Initial version

### 1.2 Distribution List

This document may be distributed both to internal Jagged Peak employees and Jagged Peak clients.

## 2 Areas of Enhancements Summary

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### 3 EDGE Order Management

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This section describes improvements pertaining to EDGE order management and related functions in the warehouse, back office or retail store environments.

#### 3.1 Support for Future Delivery Window

Enhancing the EDGE function that enables users to hold an order for future release, a “Delivery Window” date range can now be specified in the originating order to determine when the order shipment should arrive at the customer’s location.

When a future delivery window is specified, EDGE can then automatically calculate the release date based on the value for the new order-related project setting described in [New Project Setting for Future Order Release](#) on page 11.

**Note:** *Currently, this feature only applies to orders received in EDGE via the OpenTools “Order Import” message.*

Refer also to the [Open Tools Message Enhancements](#) section on page 9 for additional related information.

Enhancements	
1.	Two new optional fields are provided on the <b>Order Detail</b> page: <ul style="list-style-type: none"><li>• <b>Delivery Window Start Date/Time</b></li><li>• <b>Delivery Window End Date/Time</b></li></ul>
2.	The following new columns: <ul style="list-style-type: none"><li>• <b>Delivery Window Start</b></li><li>• <b>Delivery Window End</b></li></ul> have been added to the spreadsheet in the “Report Detail” CSV file output for the following reports in <b>Reports&gt;Orders</b> : <ul style="list-style-type: none"><li>• <b>List</b></li><li>• <b>Warehouse</b></li><li>• <b>Orders/Shipments</b></li></ul>

#### Business Benefit

The ability to define a delivery window for future release enables merchants to offer their clients the ability to choose their specific delivery date, through “name-day” delivery.

#### 3.2 Orders List Page Enhancements

The enhanced “Orders List” is provided in an efficient new format that returns large amounts of data in a quicker response time than the original “Orders List” page format. This is now the default view of the Orders List.

The new version of the list has been implemented using “JP-Grid” column manipulation and pagination features that provide considerable flexibility in filtering the data and in arranging, showing/hiding and sorting columns and otherwise controlling the display of the list.

Refer to [New Service Function for Orders List](#) on page 11 for important information regarding user access to this list page and its described features.

Enhancements	
1.	The <b>Orders&gt;List&gt;Orders List</b> page is now provided in tabular format using “JP-Grid” functionality.
2.	A “Switch to Legacy Format” link is provided on the enhanced <b>Orders List</b> page. Clicking this link opens a version of the list in its original format. <i>(From the legacy list page, clicking <b>Orders&gt;List&gt;</b> in the left navigation menu reopens the enhanced version of the list.)</i>

### Business Benefit

The enhanced “Orders List” improves client productivity by substantially decreasing the time it takes to filter and return large amounts of order information.

## 4 EDGE Notifications

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This section describes enhancements related to communications managed through the EDGE Notifications module.

### 4.1 Provider Information Added to Low Stock Notification

The **Low Stock** email notification now includes a column that lists the names of all providers who have stock that is flagged as being below the reorder limit for each applicable SKU.

Enhancements	
1	A “Provider” column has been added to the Low Stock email notification.

#### Business Benefit

The addition of the associated provider names makes it easier for merchants who have multiple providers assigned to the same SKU to identify at a glance exactly where stock needs to be replenished.

## 5 EDGE Reports

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This section describes improvements related to the data generated and provided through the EDGE Reports module.

### 5.1 Net Column Added to Inventory Activity Report

A new “Net” column has been added to the **Inventory Activity** report and to the CSV output.

The Inventory Activity report displays all inbound inventory transactions and adjustments against a SKU's on-hand quantity. The report now maintains a running balance against the on-hand position and displays this value in the new “Net” column.

**Note:** *The proper calculation of the “Net” column is dependent on the default report sorting, which needs to be in this order:*

1. Date
2. SKU
3. Provider

*The sorting must be in the above order for the “Net” column to be calculated properly. The “Net” is calculated starting from a “Balance” or “Inventory Synchronization” adjustment quantity. Each subsequent row for the same SKU and Provider will keep decrementing from that value to calculate the “Net” value.*

Enhancements	
1.	A “Net” column has been added to <b>Reports&gt;Inventory&gt;Inventory Activity</b> .
2.	A “Net” column has been added to the CSV output from the <b>Inventory Activity</b> report.

#### Business Benefit

The information provided in the new “Net” column provides merchants with a more complete accounting of on-hand inventory.

### 5.2 Orders List Report Default Format Updated

The **New Order List** report (introduced in EDGE 16.18.0), which was implemented using the enhanced “JP-Grid” column manipulation and pagination features, is now the default format displayed when a user first accesses the EDGE **Reports** module or selects **Reports>Orders/List** in the navigation menu.

Users can access the report in the original format via the “Switch to Legacy Report” button on the **New Order List** page.

Enhancements	
1.	The <b>New Order List</b> report in “JP-Grid” format is now the default view of the report.
2.	A “Switch to Legacy Report” link is now provided on the UI for the <b>New Order List</b> report. Selection of this link accesses the <b>Orders List</b> report in the original format.
3.	Selection of <b>Orders&gt;List</b> in the Reports module navigation menu accesses the <b>New Order List</b> report in the new, “JP-Grid” format.

## Business Benefit

Providing the enhanced **New Order List** report as the default format ensures that EDGE users have ready access to the most advanced list page functions and page performance, while still accommodating alternate user preferences.

### 5.3 Payments Report Enhancements

The **Order Payments** section of the **Payments** report has been enhanced with the addition of the following new columns:

- **Auth. Trans.No/Request ID** (Text/search string filter)
- **Payment Token** (Text/search string filter)

The ability to enter search strings to filter results using the data in these additional columns helps users narrow their search for specific transactions.

Enhancements	
1.	The “Auth. Trans. No/Request ID” column has been added to the <b>Order Payments</b> section of the <b>Orders&gt;Payments</b> report.
2.	The “Payment Token” column has been added to the <b>Order Payments</b> section of the <b>Orders&gt;Payments</b> report.

## Business Benefit

The search options provided in the additional columns make it easier for users to locate transactions.

## 6 EDGE Integration

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This section describes improvements related to EDGE Integration. These improvements may pertain to multiple EDGE modules or OpenTools messages.

### 6.1 OpenTools Message Enhancements

The following OpenTools messages have been modified or added to improve the EDGE standard integration layer.

	Enhancements
1.	<p>In the Order Import message, two new nodes – “deliveryWindowStart” and “deliveryWindowEnd” -- have been added under: <b>/Message/body/orderImport/orderheader</b></p> <p>These optional nodes can be used to specify the start and end dates of a window for delivery of an order, as requested by the customer.</p> <p>Refer to <a href="#">Support for Future Delivery Window</a> on page 4 and <a href="#">New Project Setting for Future Order Release</a> on page 11 for related information.</p>
2.	<p>In the <b>Outgoing Invoice</b> message, a new “ShippingHandlingTax” node has been added under: <b>/Message/Body/Invoice/OrderHeader/ShippingDetails</b></p> <p>This node can be used to specify the applicable tax on the shipping and handling charge.</p>

#### Business Benefit

Continually adding to and improving the OpenTools messages in the standard integration layer helps ensure that EDGE can be seamlessly and quickly integrated with other systems.

### 6.2 REST API Support for Inbound OpenTools Messages

EDGE now supports a REST<sup>1</sup>-based exchange for inbound OpenTools messages originating from external systems.

The following messages are provided via REST services in JSON<sup>2</sup> format:

- Allocation Failure
- ASN Import
- ASN/Shipment Receipt
- Cancel Sales Order
- Catalog Import

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<sup>1</sup> REST – Representational State Transfer; an architectural style that specifies constraints (such as the uniform interface) that, if applied to an API, induce desirable properties such as performance, scalability and modifiability that enable services to work best on the Web.

<sup>2</sup> JSON – JavaScript Object Notation; an open-standard file format that uses human-readable text to transmit data objects consisting of attribute–value pairs and array data types (or any other serializable value). JSON is often used for serializing and transmitting structured data over a network connection. It is used primarily to transmit data between a server and Web application, serving as an alternative to XML.

- Category Import
- Confirm Add/Edit ASN
- Confirm Add/Edit SKU
- Confirm Order
- Confirm Work Order
- Error Add Sales Order
- Error Add Work Order
- Error Add/Edit ASN
- Error Add/Edit SKU
- Inventory Adjustment
- Inventory Import
- Inventory Move
- Member Import
- Order Import
- Order Shipped
- Short Pick
- Synchronize Inventory Balance
- Work Order Receipt

<b>Enhancements</b>	
1.	Incoming OpenTools messages are now provided via REST services in JSON format.

**Business Benefit**

The use of OpenTools messages provided as REST services in JSON format helps make integration with the EDGE platform a faster and more efficient process.

## 7 EDGE System Support and Administration-Related Enhancements

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This section describes changes and improvements to functions managed by the Jagged Peak EDGE support team or other authorized EDGE system administrators.

**Note:** *The enhancements and functions described here are applicable only for support personnel and administrators who have the appropriate system access and functional privileges.*

### 7.1 New Service Function for Orders List

The “GetSalesOrders” function has been added to the “vwcontroller” submodule in the EDGE “service” module. This function allows users to take advantage of the “JP-Grid” features described in [Orders List Page Enhancements](#) on page 4.

**Note:** *Permission to access these functions is required in order for a new user to access and make use of the JP-Grid features of this page. No change is required for existing users with access already configured for associated modules.*

Enhancements	
1.	The “GetSalesOrders” function is now provided in the “service” module on the <b>System Admin&gt;Merchant&gt;Access Types&gt;Access Type Details&gt;Manage Access&gt;Module Access</b> page, in the “vwcontroller” submodule.

#### Business Benefit

This function enables users to take advantage of the “JP-Grid” features provided in the **Orders List** page.

### 7.2 New Project Setting for Future Order Release

The “FutureOrders\_ShipmentRelease\_LeadTime” setting is now available in Order Related Project Settings. When activated, this optional setting is used in calculating a future release date for orders based on the WMS preparation time needed for the shipment. The setting is not necessary if the WMS does not require lead time.

Refer to [Support for Future Delivery Window](#) on page 4 and the [Open Tools Message Enhancements](#) section on page 9 for related information.

Enhancements	
1.	The “FutureOrders_ShipmentRelease_LeadTime” setting is now available in <b>System Admin&gt;EDGE Setup&gt;Project Settings&gt;Order Related</b> . The value for this setting is defined in business days.

#### Business Benefit

When a value is provided, the new project setting enables EDGE to automatically take lead time for the WMS into consideration when calculating an order’s future release date.

### 7.3 Site Health Check Implemented

A site health check has been implemented to provide a reliable way for the firewall to determine whether a site is active. The health check is accessible via http and is “static,” with text that does not change between releases.

This is applicable for all supported EDGE applications having assigned sites, such as EDGE, StorePoint, the Vendor Portal, EDGE/CMS-powered websites, EASIF WS, OTWS, and BSVC.

Enhancements	
1.	A site health check has been implemented.

#### Business Benefit

The site health check provides a reliable way for the firewall to determine whether a site is active.

### 7.4 Performance Improvements with Enhanced Return Orders List

Compared to the original format, substantial improvements in performance have been achieved for generating and loading an enhanced **Return Orders List** containing a large number of records.

The enhanced version of the list, which was introduced in EDGE 16.21.0, uses “JP-Grid” list generation, manipulation and pagination functionality. In addition to performance improvements, these features provide considerable flexibility in filtering the data and in arranging, showing/hiding and sorting columns and otherwise controlling the display of the list.

Testing yielded the following example results:

Total Records	Original Format	Enhanced Format	Improvement
6300	13.590 sec	~1.07 sec	92.12%
11800	16.017 sec	~1.27 sec	92.09%

Enhancements	
1.	A <b>Return Orders List</b> containing very large amounts of data can now be generated in a timely and efficient manner.

#### Business Benefit

The enhanced **Return Orders List** improves merchant productivity by decreasing the time it takes to access and output large amounts of return order information.

## 8 Resolved Issues

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This section lists the patches made to the EDGE platform in the current release.

Issue #	Issue Description
EDGE6I-10522	The problem that caused Data Group and Data Type to be changed into Inventory and Inventory Catalog Association when the data was uploaded via Catalog and Catalog Inventory Association has been fixed.
EDGE6I-10171	The issue where the ASN/Shipment Receipt message intermittently failed to process has been resolved.
EDGE6I-10052	The problem experienced by Nespresso that caused a 500 Internal Server Error to be generated when the link for shipping details was selected on the Order Line Detail page has been fixed.
EDGE6I-10629	The problem that caused a SKU that is configured as “replaceable” but not “returnable” displayed the option “Replace Immediately” instead of just “Replace w/o Return” in the Action drop-down menu on the Order Return page has been fixed.
EDGE6I-10704	The issue where, for a refund order, the total amount of the order was being refunded to the first gift certificate when multiple gift certificates were originally used for payment has been resolved.
EDGE6I-10240	The problem that caused the contents of the Provider Name field to truncate in a “Low Stock by ATP” notification email has been fixed.
EDGE6I-10674	The issue where the submodule to control “Report Order Summary” was missing under the “Application Reports” module has been resolved.
EDGE6I-10872	The problem where the filter control for the Authorizer column was implemented as a Text filter instead of a Set filter (list of predefined values) in the Payment Methods section of the Orders>Payments report has been fixed.
EDGE6I-10873	The issue where an additional, duplicate “Authorizer” column was being displayed in the Order Payments section of the Orders>Payments report has been resolved.



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