

## Cimpress Notifications

### Description

The Cimpress Notifications app helps fulfillers/Suppliers to send order notifications from their Enfocus Switch Flow system to the Cimpress Mass Customization Platform (MCP).

With this app, fulfillers can send the following notifications to the MCP:

- **Production Accepted** to indicate that the fulfiller has accepted the item for production.
- **Rejected** to indicate that the fulfiller has rejected the item and will not produce it.
- **Production Started** to indicate that the fulfiller has started production of the item.
- **Shipped** to indicate that the fulfiller has shipped the item.

### Prerequisites

- This app is for fulfillers/suppliers who are registered on the Cimpress Mass-Customization Platform (MCP).
- Fulfillers need to set their configuration in Supplier Integration Platform in MCP.

### Compatibility

Switch Version Required: Switch 22 and above.

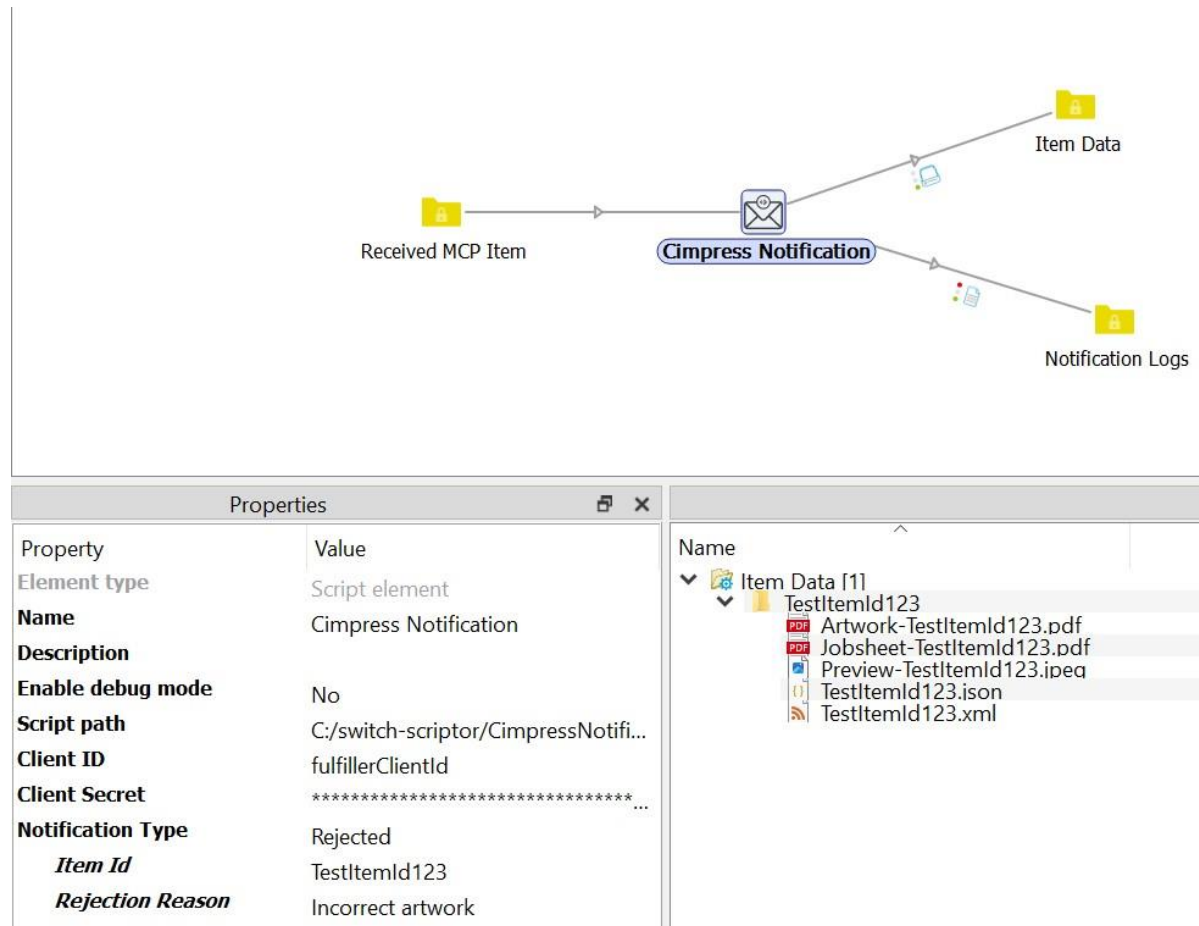
Platform: Windows,Mac

### Connections

The Cimpress Notifications app uses TrafficLight outgoing connection. It has 2 connections.

- The first to send to logs.
- The second is to send the private data to the job and should carry jobs of type Data.

The screen below shows the integration of Cimpress Notification into a workflow in Enfocus Switch:



**Fig 1: Flow of Cimpress Notification**

## Properties detailed info

Property	Value
Element type	Script element
Name	Cimpress Notification
Description	
Enable debug mode	No
Script path	C:/switch-scriptor/CimpressNotification/...
Client ID	fulfiller-client-id
Client Secret	*****
Notification Type	Production Accepted
Item Id	TestItemId123

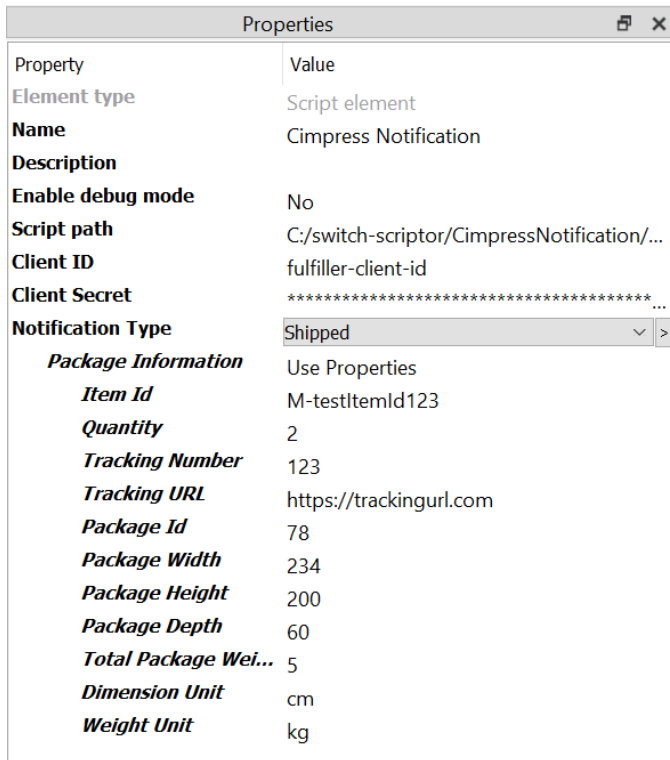
**Fig 2: Properties for Production Accepted Notification**

Property	Value
Element type	Script element
Name	Cimpress Notification
Description	
Enable debug mode	No
Script path	C:/switch-scriptor/CimpressNotification/...
Client ID	fulfiller-client-id
Client Secret	*****
Notification Type	Rejected
Item Id	TestItemId123
Rejection Reason	Incorrect artwork

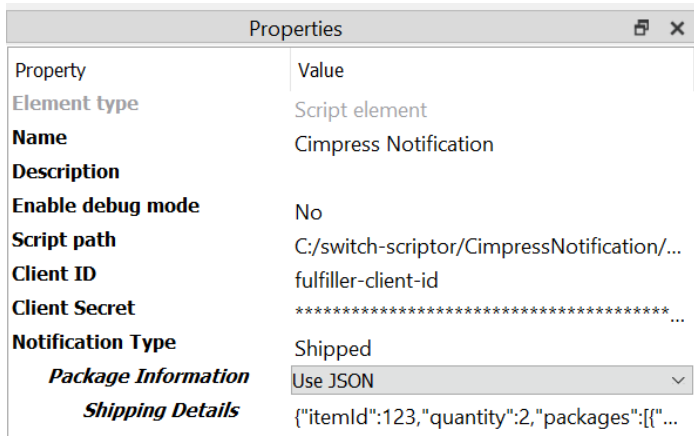
**Fig 3: Properties for Rejected Notification**

Property	Value
Element type	Script element
Name	Cimpress Notification
Description	
Enable debug mode	No
Script path	C:/switch-scriptor/CimpressNotification/...
Client ID	fulfiller-client-id
Client Secret	*****
Notification Type	Production Started
Item Id	TestItemId123

**Fig 4: Properties for Production Started Notification**



**Fig 5: Properties for Shipped Notification with Package Information as “Use Properties”**



**Fig 6: Properties for Shipped Notification with Package Information as “Use JSON”**

Depending on the Notification type received in the incoming Job Item Id or Shipping Details are picked from the incoming Job and notification is raised at Cimpress.

## Flow elements properties

- Client Id
  - The identifier of the client who has access to receive MCP orders for the fulfiller.
- Client Secret
  - The secret linked with the Client Id
- Notification type
  - The type of notification to be raised.
  - Select the notification from the drop-down list or define single line text with variable or Define script expression
- ItemId
  - The identifier of the item for which the notification must be raised.
- Rejection reason
  - The reason why an item was rejected.
  - Rejection reason would be visible for Notification type *Rejected*.
- Package information
  - This indicator notifies the app about the format in which shipping details should be accepted.
  - It can take the following value Use JSON and Use properties.
  - When user selects Use JSON it gets input property using Shipping Details and when user selects use property individual input properties are displayed
- Quantity
  - Quantity of items that is being shipped.
- Tracking number
  - Identifier by which the shipment can be tracked.
- Tracking URL
  - URL by which the shipment can be tracked.
- Package Id
  - Identifier for the package that is being shipped.
- Package width
  - Width of the package being shipped.
- Package height
  - Height of the package being shipped.
- Package depth
  - Depth of the package being shipped.
- Total Package Weight
  - Total weight of the package being shipped.
- Dimension unit
  - Select the Dimension unit from the drop-down list or define single line text with variable or Define script expression.
  - Units in which dimension of package are measured.
  - It can take the following values: mm(millimeters), cm(centimeters), in(inches) and m(meters).
- Weight Unit
  - Select the Weight unit from the drop-down list or define single line text with

- variable or Define script expression.
- Units in which the weight of package is measured.
- It can take the following values: kg(kilograms), lb(pounds), g(grams) and oz(ounces).
- Shipping details
  - This data field will be visible for Shipped Notification type only.
  - The details of the shipment.
  - The following details must be defined under the shipping details data field:
    - itemId: The identifier of the item for which the notification must be raised.
    - quantity: Quantity of the item being shipped.
    - packages:
      - NOTE: *Packages details are not mandatory but highly recommended. It is an array Following fields are required within packages.*
      - trackingNumber: Identifier by which the shipment can be tracked.
      - trackingURL: URL by which the shipment can be tracked.
      - packageId: Identifier for the package that is being shipped.
      - packageWidth: Width of the package being shipped.
      - packageHeight: Height of the package being shipped.
      - packageDepth: Depth of the package being shipped.
      - totalPackageWeight: Total weight of the package being shipped.
      - dimensionUnit: Units in which package dimensions are measured, it can be mm(millimeters), cm(centimeters), in(inches) and m(meters).
      - weightUnit: Units in which the weight of the package is being measured.

#### Sample Shipping Details input:

```
{
  "itemId": "TestItemId123",
  "quantity": 5,
  "packages": [
    {
      "trackingNumber": "sample-trackingNumber",
      "trackingUrl": "http://sample-trackingURL",
      "packageId": "sample-packageId",
      "packageWidth": 240,
      "packageHeight": 235,
      "packageDepth": 315, "totalWeight": 6440,
      "weightUnit": "g",
      "dimensionUnit": "mm"
    }
  ]
}
```

#### Outgoing connections properties

NA

The Data Folder for the Cimpress Notification App will carry the item details and it's artifacts(artwork,preview,jobsheet) which we will receive from Get Cimpress Order App.

#### Sample XML Item details

```
<item>
  <itemId>TestItemId</itemId>
  <isTestItem>>false</isTestItem>
  <sku>TestSku</sku>
  <orderId>TestOrderId</orderId>
  <quantity>100</quantity>
  <name>Bajirao-Flyer</name>
  <description></description>

<document>https://fulfillment.at.cimpress.io/v1/items/M927DCH2CE/artwork</document>
  <productManufacturingData>
    <productCode>TestCode123</productCode>
    <fulfillerProductId>TestId123</fulfillerProductId>
    <ProductionLine>1A</ProductionLine>
  </productManufacturingData>
  <merchantInformation>
    <itemId>TestItemId</itemId>
    <productName>Bajirao-Flyer</productName>
  </merchantInformation>
  <shippingPlans>
    <expectedCarrierServiceKey></expectedCarrierServiceKey>
    <expectedCarrierServiceName></expectedCarrierServiceName>
    <expectedShipTime></expectedShipTime>
    <expectedShipTimelsLate></expectedShipTimelsLate>
  </shippingPlans>
  <deliveryDetails>
    <deliveryDetail>
      <type>Standard</type>
      <quantity>100</quantity>
      <destinationAddress>
        <city>Bengaluru</city>
        <company>null</company>
        <firstName>Ram Krishna</firstName>
        <lastName>Jha</lastName>
        <street1>Street1</street1>
        <street2>Street2</street2>
        <country>IN</country>
        <postalCode>12345</postalCode>
        <stateOrProvince>State</stateOrProvince>
        <isPOBox>null</isPOBox>
        <isResidential>null</isResidential>
      </destinationAddress>
    </deliveryDetail>
  </deliveryDetails>
</item>
```

## Sample Log Data for Cimpress Notification App

```
[
  {
    "level": "info",
    "timestamp": "Thu, 02 Nov 2023 06:13:28 GMT",
    "message": "Item arrived at app, ready to send notification."
  },
  {
    "level": "info",
    "timestamp": "Thu, 02 Nov 2023 06:13:28 GMT",
    "message": "notification details:
{"notificationType\":\"acceptOrderRequest\",\"itemId\":\"TestItemId123\"}"
  },
  {
    "level": "info",
    "timestamp": "Thu, 02 Nov 2023 06:13:28 GMT",
    "message": "Raising acceptOrderRequest notification"
  },
]
```

**Versions:**

Version #	Updates
Version 1	New App in Enfocus Switch Store which helps fulfiller to send notifications for the items present in the order to MCP.