Receive Cimpress Orders

Description
The Receive Cimpress Orders app helps to transfer orders from the Cimpress Mass Customization Platform (MCP) to the fulfiller's file system in Enfocus Switch.

With this app, fulfillers can:

- Download details of the order and order-items from MCP.
- Choose either XML or JSON format for order details.
- Download artwork and preview files related to the order-items in the order.
- Give a filename to the downloaded files.
- Periodically check for new MCP orders and download order details (JSON) and associated artifacts (optional).
- Create a new folder to place new orders in a directory that is configured with the app's outgoing data connection.
- Create new folders for every order-item in the respective order folder to hold associated artifacts for the order-item.

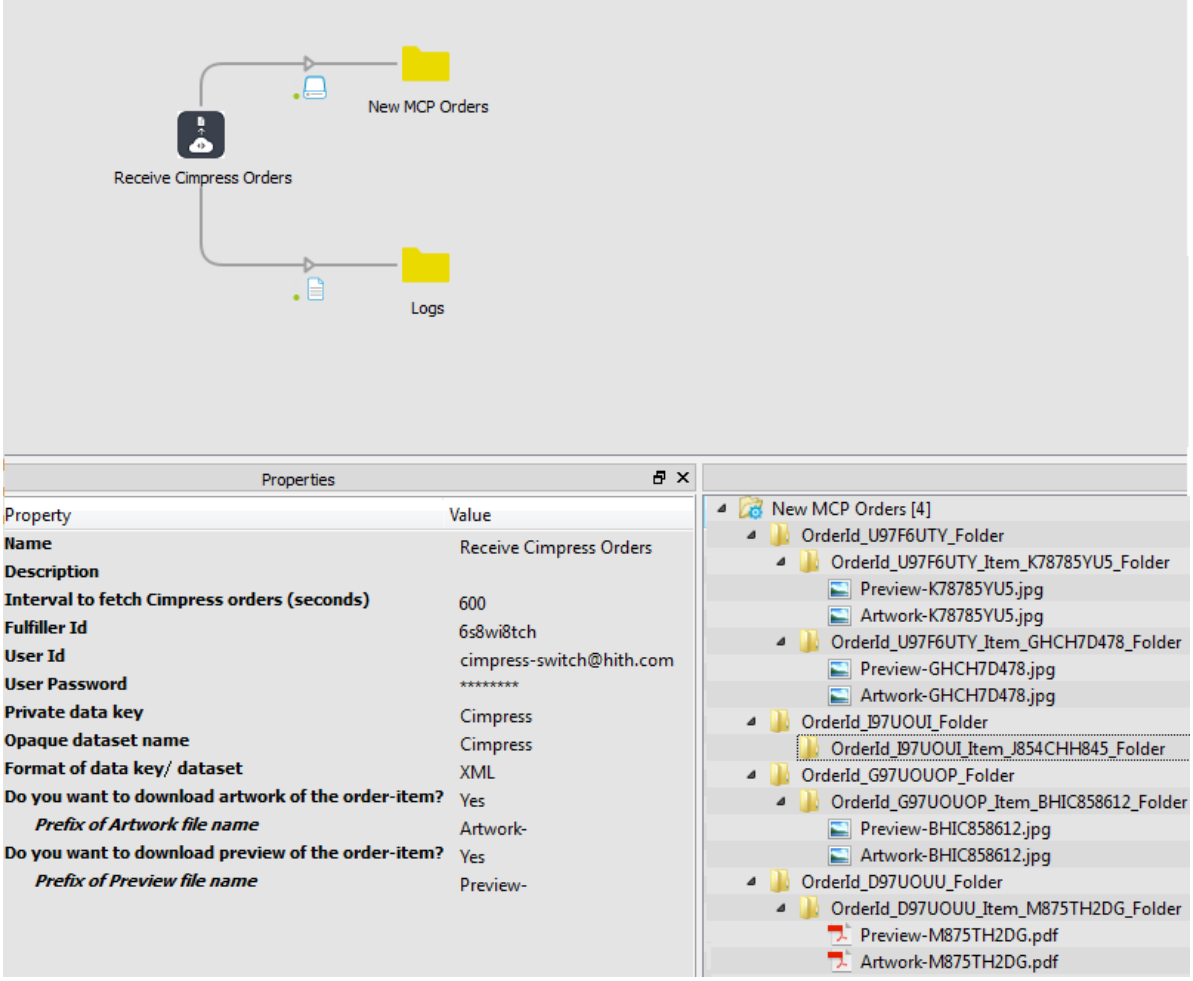
Note: The MCP Orders Adapter App skips an order if a failure occurs at any step during processing (such as creating folders, placing artwork files in folders, etc). Subsequent periodic runs of the app will not be processed until the current run is complete.

Prerequisites
This app is for fulfillers/suppliers who are registered on the Cimpress Mass Customization Platform (MCP).

Compatibility
Switch Version Required: Switch 18 and above.
Platform: Windows

Connections
The Receive Cimpress Orders uses the TrafficLight outgoing connection. It has two connections, one to carry data and other to carry logs. The orders retrieved from MCP are routed to the directory configured with the outgoing connection that carry jobs of type data. The logs generated in the app are routed to the directory linked with the connection that carry logs.

The screen below shows the integration of the Receive Cimpress Orders into a workflow in Enfocus Switch.



Properties detailed info

Property	Value
Name	Receive Cimpress Orders
Description	
Interval to fetch Cimpress orders (seconds)	600
Fulfiller Id	6s8wi8tch
User Id	cimpress-switch@hith.com
User Password	********
Private data key	Cimpress
Opaque dataset name	Cimpress
Format of data key/ dataset	XML
Do you want to download artwork of the order-item?	Yes
Prefix of Artwork file name	Artwork-
Do you want to download preview of the order-item?	Yes
Prefix of Preview file name	Preview-

Flow elements properties

- Interval to fetch MCP orders (seconds)
  - The time interval in seconds between successive runs of the app. To avoid overlapping two successive app runs, an interval of 10 minutes is recommended.
- Fulfiller Id
  - The unique identifier of the fulfiller as defined in the MCP.
- User Id
  - The identifier of the user who has access to receive MCP orders for the said fulfiller.
- User Password
  - The password for the User Id.
- Private data key
  - The details of the order are stored under this private data key (see further) in the selected format.
- Opaque dataset name
  - An opaque dataset with this name is added in which the order details received from MCP is available in the selected format.
- Format of data key/ dataset
  - The format in which order details are stored under Private data key and Opaque dataset name. Select XML to get order details in XML form. Select JSON to get order details in JSON form.
- Do you want to download artwork of the order-item?
  - Select *Yes* to notify the app to download the artwork. Select *No*, if you do not want to download the artwork.
- Prefix of Artwork file name
  - The prefix you want to add to the file names of the order-item artworks.

    - This is an additional property will be visible when the user selects *Yes* to *Do you want to download artwork of the order-item?* property.
        - The specified prefix will be added to the file name of the artwork.
        - The artwork file name will have the format *Prefix-OrderItemUniqueId* e.g. If the prefix is *Drawing-* and the unique identifier is *UI458*, then the file name will be *Drawing-UI458.png*.
- Do you want to download preview of the order-item?
    - Select *Yes* to notify the app to download the preview. Select *No*, if you do not want to download the preview file.
- Prefix of Preview file name
    - The prefix you want to add to the file names of the order-item preview files.
    - This is an additional property will be visible when the user selects *Yes* to *Do you want to download preview of the order-item?* property.
        - The specified prefix will be added to the file name of the preview file.
        - The preview file name will have the format *Prefix-OrderItemUniqueId* e.g. If the prefix is *Picture-* and the unique identifier is *UI458* then the file name will be *Picture-UI458.pdf*.
- Private data key
    - The app adds information about the order the order-item in either XML or JSON format in the private data:

Private data key	Stored value
<key>. `OrderDetails`	The order information that includes the order and items' information along with the shipping details. Sample order detail in JSON and XML format is given below.

- Opaque dataset name
    - The app adds information about the order and the order-item in either XML or JSON format in the opaque dataset:

Opaque JSON dataset	Stored value
<dataset>. `OrderDetails`	The order information that includes the order and items' information along with the shipping details. Sample order detail in JSON and XML format is given below.

The order details are present in the Private data key and Opaque JSON dataset will have the below noted fields. Refer to the sample JSON data given below.

- orderId
    - The unique Id by which order will be recognized at Cimpress.
- merchantId
    - Id by which the merchant is recognized.
- merchantOrderId
    - The unique Id by which merchant recognizes order.
- createdDate:
    - The date when the order was created.
- promisedArrivalDate:
    - The date latest date when the order will reach the customer.
- merchantOrderSuportContact

Support contact information of the merchant.
  - email: Email id of the merchant's support.
  - phoneNumber: Phone number of the merchant's support.
- consigneeAddress:
  The address details of consignee. It includes following fields:
  - city: City of consignee.
  - country: Country of consignee.
  - email: Email address of consignee.
  - firstName: First name of consignee.
  - lastName: Last name of consignee.
  - phone: Contact number of consignee.
  - phoneExt: Country's phone extension.
  - postalCode: Postal code of consignee.
  - stateOrProvince: State or province of consignee.
  - street1: Address1 of consignee.
  - street2: Address 2 of consignee.
- destinationAddress
  The address details of shipping location. It includes following fields:
  - city: Destination city.
  - country: Destination country.
  - email: Email address for shipment destination.
  - firstName: First name of consignee.
  - lastName: Last name of consignee.
  - phone: Contact number of consignee.
  - phoneExt: Destination country's phone extension.
  - postalCode: Postal code Destination.
  - stateOrProvince: State or province Destination.
  - street1: Address1 destination.
  - street2: Address 2 destination.
- items
  Contains details of all items within the order. Contains following fields.
  - itemId: The unique id by which the item is identified in Cimpress.
  - isTestItem: Indicates that the item is a test item and not placed by a real customer.
  - sku: The unique id by which the product is identified in Cimpress.
  - orderId: The orderId to which the item belongs.
  - quantity: Quantity of item ordered.
  - name: The name of the product identified in Cimpress.
  - description: The description of the product identified in Cimpress.
  - productManufacturingData: It has the details of all the attributes along with the values needed by the fulfiller to produce the item.
  - merchantInformation:
    It has the details of item present on the merchant side

        - itemId: The unique id by which the item is identified on Merchant side.
        - productName: The name of the product identified on Merchant side
    - customInformation:
        Contains the customs price information. Include following filed.
        - listPrice:
            It is the price displayed to the customer. It includes following fields.
            - basePrice: The actual price of product.
            - currencyCode: The ISO currency code in which price is charged.
            - shippingPrice: The price for shipping the item.
        - pricePaid:
            It is the price paid by the customer and includes following field.
            - basePrice: The actual price of product.
            - currencyCode: The ISO currency code in which price is charged.
            - shippingPrice: The price for shipping the item.
    - shippingPlans:
        It is an object that has the details of the shipping plans that includes
        - expectedCarrierServiceKey: The carrier service key configured in Cimpress and that can be used to ship the item.
        - expectedCarrierServiceName: The carrier service name given for the carrier service key in Cimpress.
        - expectedShipTime": The expected ship date time by which the item should be shipped.
        - expectedShipTimeIsLate: Indicator if the shipping date time is late.
    - deliveryDetails:
        A list of addresses to which a certain quantity of the item should be delivered to. The whole quantity can be split to be delivered at various addresses.
        - type: Type of delivery.
        - quantity: Quantity of the item that should be delivered at the address.
        - destinationAddress:
            The address to which a certain quantity of the item should be delivered. It includes following fields:
            - city: Destination city.
            - country: Destination country.
            - email: Email address for shipment destination.
            - firstName: First name of consignee.
            - lastName: Last name of consignee.
            - phone: Contact number of consignee.
            - phoneExt: Destination country’s phone extension.
            - postalCode: Postal code Destination.
            - stateOrProvince: State or province Destination.

        - street1: Address1 destination.
        - street2: Address 2 destination.
- shippingLabelDetails: Contains additional shipping details to be displayed on shipping details.
    - returnAddress: The address where the address should be return if not delivered. It contains following details:
        - city: Destination city.
        - country: Destination country.
        - email: Email address for shipment destination.
        - firstName: First name of person to return address.
        - middleName: Middle name of person to return address.
        - lastName: Last name of person to return address.
        - company: Name of the company to return the order.
        - phone: Contact number of consignee.
        - phoneExt: Destination country's phone extension.
        - postalCode: Postal code Destination.
        - stateOrProvince: State or province Destination.
        - street1: Address1 destination.
        - street2: Address2 destination

A sample order detail in JSON format is given below


```
{
    "orderMetadata": {
        "orderId": "KOE65DA87A",
        "createdDate": "2018-12-06T15:53:31.061+00:00",
        "promisedArrivalDate": "2018-12-20",
        "merchantId": "test-merchant",
        "merchantOrderId": "452KIL-TN",
        "merchantOrderSupport": {
            "email": "support@gmail.com",
            "phoneNumber": "6874879885"
        },
        "destinationAddress": {
            "country": "IN",
            "postalCode": "400045",
            "stateOrProvince": "MAHARASHTRA",
            "city": "Mumbai",
            "company": "EmployeR",
            "firstName": "Reema",
            "lastName": "Shawn",
            "phone": "9861978145",
            "street1": "Hillcrest",
            "street2": "Off lane",
            "email": "ttony@gmail.com"
        },
        "consigneeAddress": {
```

```
            "country": "IN",
            "postalCode": "400045",
            "stateOrProvince": "MAHARASHTRA",
            "city": "Mumbai",
            "company": "EmployeR",
            "firstName": "Seema",
            "lastName": "Var",
            "phone": "9861978145",
            "street1": "Hillcrest",
            "street2": "Off lane",
            "email": "btony@gmail.com"
        },
        "items": [{
                "itemId": "7YH9UYU67",
                "isTestItem": "false",
                "sku": "SKu-Test",
                "orderId": "KOE65DA87A",
                "quantity": "4",
                "name": "Bajirao Flask - test",
                "description": "Flask - test",
                "productManufacturingData": {
                    “paperSize”: “A4”
                },
                "merchantInformation": {
                    "itemId": "YUH-HU",
                    "productName": "Bajirao Flask - test"
                },
                "customInformation": {
                    "listPrice": {
                        "basePrice": "20",
                        "shippingPrice": null,
                        "currencyCode": "RS"
                    },
                    "pricePaid": {
                        "basePrice": "20",
                        "shippingPrice": null,
                        "currencyCode": "RS"
                    }
                },
                "shippingPlans": {
                    "expectedCarrierServiceKey": "recs:bluedart-oneOff",
                    "expectedCarrierServiceName": "Bluedart Priority",
                    "expectedShipTime": "2018-12-19T06:30:00+00:00",
                    "expectedShipTimeIsLate": "false"
                },
                "deliveryDetails": [{
                    "type": "Standard",
                    "quantity": "4",
```

```
                "destinationAddress": {
                    "city": "Mumbai",
                    "company": "EmployeR",
                    "firstName": "Tony",
                    "lastName": "Sheep",
                    "phone": "226197845",
                    "email": "rtib@gmail.com",
                    "street1": "Titbit Premises",
                    "street2": "next lane",
                    "country": "IN",
                    "postalCode": "400089",
                    "stateOrProvince": "MAHARASHTRA"
                }
            }]
        },
        {
            "itemId": "9045UITHB",
            "isTestItem": "false",
            "sku": "SKU-IUYH",
            "orderId": "KOE65DA87A",
            "quantity": "2",
            "name": "Bajirao Flask - test",
            "description": "Flask - test",
            "productManufacturingData": {
                “paperSize”: “A4”
            },
            "merchantInformation": {
                "itemId": "TYIN-UIYH",
                "productName": "Bajirao Flask - test"
            },
            "customInformation": {
                "listPrice": {
                    "basePrice": "20",
                    "shippingPrice": null,
                    "currencyCode": "RS"
                },
                "pricePaid": {
                    "basePrice": "20",
                    "shippingPrice": null,
                    "currencyCode": "RS"
                }
            },
            "shippingPlans": {
                "expectedCarrierServiceKey": "recs:bluedart-
nextDay",
                "expectedCarrierServiceName": "Bluedart Next Day",
                "expectedShipTime": "2018-12-19T06:30:00+00:00",
                "expectedShipTimeIsLate": "false"
```

```
                        },
                        "deliveryDetails": [{
                                "type": "Standard",
                                "quantity": "2",
                                "destinationAddress": {
                                        "city": "Mumbai",
                                        "company": "EmployeR",
                                        "firstName": "Tony",
                                        "lastName": "Sheep",
                                        "phone": "226197845",
                                        "email": "rtib@gmail.com",
                                        "street1": "Titbit Premises",
                                        "street2": "next lane",
                                        "country": "IN",
                                        "postalCode": "400089",
                                        "stateOrProvince": "MAHARASHTRA"
                                }
                        }]
                }
        ],
        "shippingLabelDetails": {
                "returnAddress": {
                        "country": "IN",
                        "postalCode": "400033",
                        "stateOrProvince": "MAHARASHTRA",
                        "city": "Mumbai",
                        "company": "EmployeR",
                        "firstName": "Ubantu",
                        "lastName": "Kinara",
                        "phone": "2261986128",
                        "phoneExt": "64",
                        "street1": "C Block",
                        "street2": "BSingh Road",

                        "email": "which@hit.com"
                }
        }
    }
}
```


A sample order detail in XML format is given below


```
<?xml version="1.0" encoding="UTF-8"?>
<orderMetadata>
  <orderId>KOE65DA87A</orderId>
  <createdDate>2018-12-06T15:53:31.061+00:00</createdDate>
  <promisedArrivalDate>2018-12-20</promisedArrivalDate>
  <merchantId>test-merchant</merchantId>
```

```
<merchantOrderId>452KIL-TN</merchantOrderId>
<merchantOrderSupport>
  <email>support@gmail.com</email>
  <phoneNumber>6874879885</phoneNumber>
</merchantOrderSupport>
<destinationAddress>
  <country>IN</country>
  <postalCode>400045</postalCode>
  <stateOrProvince>MAHARASHTRA</stateOrProvince>
  <city>Mumbai</city>
  <company>EmployeR</company>
  <firstName>Reema</firstName>
  <lastName>Shawn</lastName>
  <phone>9861978145</phone>
  <street1>Hillcrest</street1>
  <street2>Off Lane</street2>
  <email>ttony@gmail.com</email>
</destinationAddress>
<consigneeAddress>
  <country>IN</country>
  <postalCode>400045</postalCode>
  <stateOrProvince>MAHARASHTRA</stateOrProvince>
  <city>Mumbai</city>
  <company>EmployeR</company>
  <firstName>Seema</firstName>
  <lastName>Var</lastName>
  <phone>9861978145</phone>
  <street1>Hillcrest</street1>
  <street2>Off lane</street2>
  <email>btony@gmail.com</email>
</consigneeAddress>
<items>
  <item>
    <itemId>7YH9UYU67</itemId>
    <isTestItem>false</isTestItem>
    <sku>SKu-Test</sku>
    <orderId>KOE65DA87A</orderId>
    <quantity>4</quantity>
    <name>Bajirao Flask - test</name>
    <description>Flask - test</description>
    <productManufacturingData>
      <paperSize>A4</paperSize>
    </productManufacturingData>
    <merchantInformation>
      <itemId>YUH-HU</itemId>
      <productName>Bajirao Flask - test</productName>
    </merchantInformation>
    <customInformation>
```

```
      <listPrice>
        <basePrice>20</basePrice>
        <shippingPrice>0</shippingPrice>
        <currencyCode>RS</currencyCode>
      </listPrice>
      <pricePaid>
        <basePrice>20</basePrice>
        <shippingPrice>0</shippingPrice>
        <currencyCode>RS</currencyCode>
      </pricePaid>
    </customInformation>
    <shippingPlans>
      <expectedCarrierServiceKey>recs:bluedart-oneOff</expectedCarrierServiceKey>
      <expectedCarrierServiceName>Bluedart Priority</expectedCarrierServiceName>
      <expectedShipTime>2018-12-19T06:30:00+00:00</expectedShipTime>
      <expectedShipTimeIsLate>false</expectedShipTimeIsLate>
    </shippingPlans>
    <deliveryDetails>
      <deliveryDetail>
        <type>Standard</type>
        <quantity>4</quantity>
        <destinationAddress>
          <city>Mumbai</city>
          <company>EmployeR</company>
          <firstName>Tony</firstName>
          <lastName>Sheep</lastName>
          <phone>2261978145</phone>
          <email>rtib@gmail.com</email>
          <street1>Titbit Premises</street1>
          <street2>next lane</street2>
          <country>IN</country>
          <postalCode>400089</postalCode>
          <stateOrProvince>MAHARASHTRA</stateOrProvince>
        </destinationAddress>
      </deliveryDetail>
    </deliveryDetails>
  </item>
  <item>
    <itemId>9045UITHB</itemId>
    <isTestItem>false</isTestItem>
    <sku>SKU-IUYH</sku>
    <orderId>KOE65DA87A</orderId>
    <quantity>2</quantity>
    <name>Bajirao Flask - test</name>
    <description>Flask - test</description>
    <productManufacturingData>
      <paperSize>A4</paperSize>
    </productManufacturingData>
```

```
      <merchantInformation>
        <itemId>TYIN-UIYH</itemId>
        <productName>Bajirao Flask - test</productName>
      </merchantInformation>
      <customInformation>
        <listPrice>
          <basePrice>20</basePrice>
          <shippingPrice>0</shippingPrice>
          <currencyCode>RS</currencyCode>
        </listPrice>
        <pricePaid>
          <basePrice>20</basePrice>
          <shippingPrice>0</shippingPrice>
          <currencyCode>RS</currencyCode>
        </pricePaid>
      </customInformation>
      <shippingPlans>
        <expectedCarrierServiceKey>recs:bluedart-nextDay</expectedCarrierServiceKey>
        <expectedCarrierServiceName>Bluedart New Day</expectedCarrierServiceName>
        <expectedShipTime>2018-12-19T06:30:00+00:00</expectedShipTime>
        <expectedShipTimeIsLate>false</expectedShipTimeIsLate>
      </shippingPlans>
      <deliveryDetails>
        <deliveryDetail>
          <type>Standard</type>
          <quantity>2</quantity>
          <destinationAddress>
            <city>Mumbai</city>
            <company>EmployeR</company>
            <firstName>Rakhee</firstName>
            <lastName>Malik</lastName>
            <phone>2261978145</phone>
            <email>ramalik@cimpress.com</email>
            <street1>C Block, Voltas Premises</street1>
            <street2>T.B. Kadam Marg, Chinchpokli</street2>
            <country>IN</country>
            <postalCode>400033</postalCode>
            <stateOrProvince>MAHARASHTRA</stateOrProvince>
          </destinationAddress>
        </deliveryDetail>
      </deliveryDetails>
    </item>
  </items>
  <shippingDetails>
    <returnAddress>
      <country>IN</country>
      <postalCode>400033</postalCode>
      <stateOrProvince>MAHARASHTRA</stateOrProvince>
```

```
        <city>Mumbai</city>
        <company>EmployeR</company>
        <firstName>Ubantu</firstName>
        <lastName>Kinara</lastName>
        <phone>2261986128</phone>
        <phoneExt>64</phoneExt>
        <street1>C Block, Voltas Premises</street1>
        <street2>T.B. Kadam Marg, Chinchpokli</street2>
        <email>which@hit.com</email>
      </returnAddress>
    </shippingDetails>
</orderMetadata>
```


Outgoing connections properties

NA

Version #	Updates
V1	New app in Enfocus Switch Appstore to send orders to fulfillers.
V2	For security purpose logged the user id. Create separate log files for every order.
V3	No change in the app. Incremented the version as update in Send Cimpress Notification app.
V4	Added new feature to support order details in XML form. Added details of delivery address(s) where ordered quantity can be shipped to different addresses.