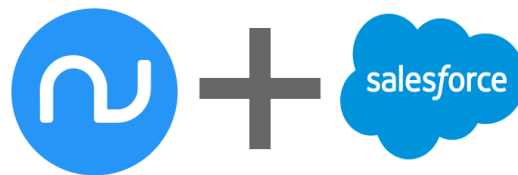


# Narvar SFCC Cartridge

Installation guide for v22.1.0



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## Download

Click [here](#) to download the latest SFCC cartridge zip.

## Installation

Narvar SFCC cartridge is SFRA compliant.

### Link Narvar Cartridge

- Go to **Administration > Sites > Manage Sites**, click a site name and navigate to **Settings** tab.
- Add **int\_narvar\_sfra** in the **Cartridges** column as in the screenshot below.

Administration > Sites > Manage Sites > RefArch - Settings

General **Settings** Cache Site Status Page Meta Tag Rules

### RefArch - Settings

Click Apply to save the details. Click Reset to revert to the last saved state.

Instance Type: Sandbox/Development

Deprecated. The preferred way of configuring HTTP and HTTPS hostnames is by using new features of the site aliases configuration ("SEO > Aliases Configuration"). The HTTP/HTTPS hostname values set in this section will be used if no hostnames are defined by aliases configuration and are intended only to support an older configuration style.

HTTP Hostname:

HTTPS Hostname:

Instance Type: All

Cartridges:

Effective Cartridge Path:

Apply Reset

## Import Metadata

**Note:** All xml files will be available under the Metadata folder in the downloaded cartridge.

### Metadata.xml

- Go to **Administration > Site Development > Import & Export**.
- Upload system-objecttype-extensions.xml inside the **Import & Export Files** section.
- Then import system-objecttype-extensions.xml under the **Metadata > Import** section.
- On clicking **Next** a page shown below will appear. Click on the **Import** button to finish the process.

Administration > Site Development > Import & Export > Step 3 - Import

### System Type Extension Import - Validate File

Step 3 of 3.  
Enable the import option if you want to remove existing attribute definitions and attribute groups that aren't contained in the import file. Start the import by clicking **Import**.

Validation Status

Current Action	Finished XML schema validation.
Validation Errors	0
Validation Warnings	0

Import File Content

System Type Extensions	3
Custom Type Definitions	1
Attribute Definitions	9
Attribute Value Definitions	0
Attribute Group Definitions	4
Custom Preference Groups	0
Custom Preference Definitions	0

Import Options

Delete existing attribute definitions and attribute groups not contained in the import file, including attribute definitions marked as "externally-defined".

<< Previous Import Cancel

## Jobs.xml

- Go to **Administration > Operations > Import & Export**.
- Upload jobs.xml inside **Import & Export Files**.
- Import jobs.xml under **Jobs** section by selecting **REPLACE** mode as shown below.

[Administration](#) > [Operations](#) > [Import & Export](#) > [Jobs Import Step 1 - Select File](#) > [Step 2 - Validate File](#) > Step 3 - Import

### Jobs Import - Start Import

Step 3 of 3.

Select an import mode and start the import by clicking Import.

---

Import Mode

<input checked="" type="radio"/>	<b>REPLACE</b>	Deletes and recreates existing database objects. Also creates new objects based on XML file.
<input type="radio"/>	<b>DELETE</b>	Deletes all database objects contained in the XML file.

<< Previous Import Cancel

## Services.xml

- Go to **Administration > Operations > Import & Export** and upload services.xml.
- Import services.xml under **Services** section by selecting **MERGE** mode as shown below.

[Administration](#) > [Operations](#) > [Import & Export](#) > [Service Import Step 1 - Select File](#) > [Service Import Step 2 - Validate File](#) > Service Import Step 3 - Import

### Service Import - Import

Step 3 of 3.

Select an import mode and start the import by clicking Import.

---

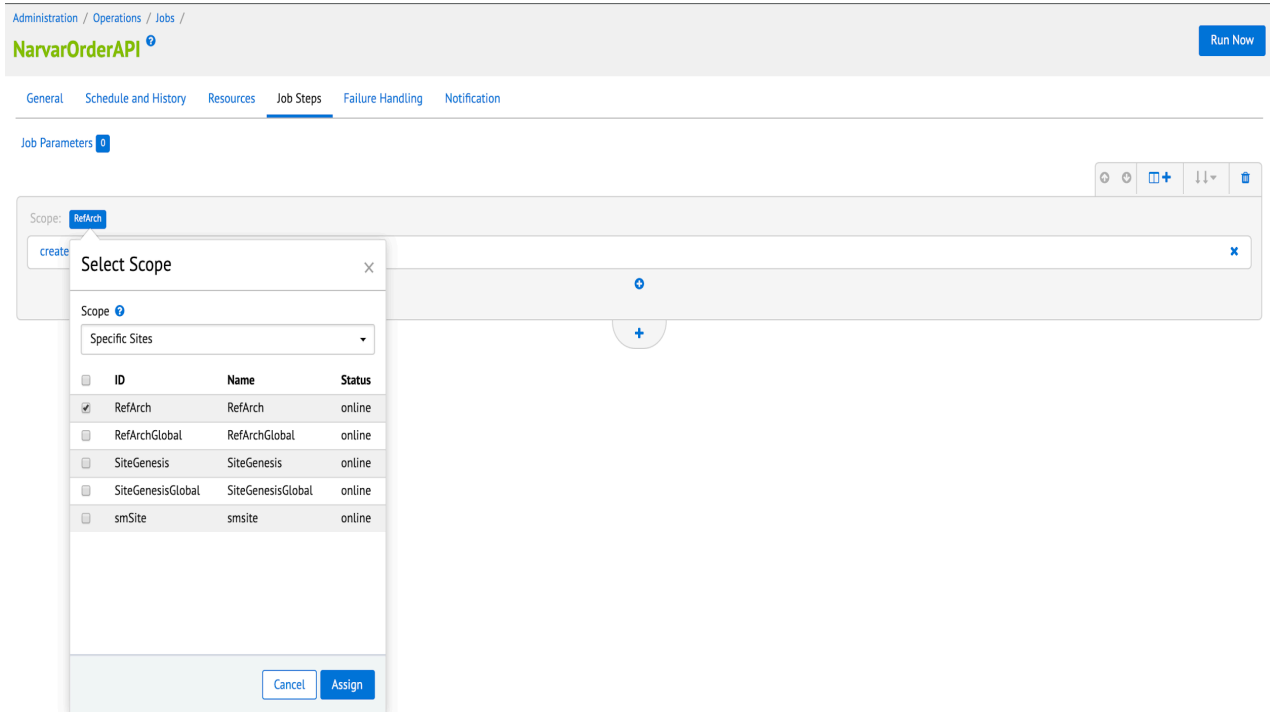
<input checked="" type="radio"/>	<b>MERGE</b>	Updates existing database objects and creates new ones based on XML file.
<input type="radio"/>	<b>UPDATE</b>	Updates existing database objects only (i.e., doesn't create new ones based on XML file).
<input type="radio"/>	<b>REPLACE</b>	Deletes and recreates existing database objects. Also creates new objects based on XML file.
<input type="radio"/>	<b>DELETE</b>	Deletes all database objects contained in the XML file.

<< Previous Import Cancel

## Setup

### Jobs

- Go to **Administrations > Operations > Jobs**. Here we have 2 jobs - **NarvarOrderAPI** and **NarvarUploadOrderFile**.
- Click on a particular Job ID link, then click on the **Job Steps** tab and then click on the **Scope** as shown below to select a scope.



Administration / Operations / Jobs / NarvarOrderAPI Run Now

General Schedule and History Resources **Job Steps** Failure Handling Notification

Job Parameters 0

Scope: RefArch

create Select Scope

Scope Specific Sites

ID	Name	Status
<input checked="" type="checkbox"/>	RefArch	online
<input type="checkbox"/>	RefArchGlobal	online
<input type="checkbox"/>	SiteGenesis	online
<input type="checkbox"/>	SiteGenesisGlobal	online
<input type="checkbox"/>	smSite	online

Cancel Assign

**Note:** Narvar strongly recommends having different jobs for different sites.

## Services

- Go to **Administrations > Operations > Services**. We have sections as below.

### Services:

- NARVAR\_BULK\_INGESTION
- NARVAR\_LOG\_INGESTION
- NARVAR\_ORDER\_INGESTION

### Profiles:

- NARVAR

### Credentials:

- NARVAR\_BULK\_API\_CREDS
- NARVAR\_LOGS\_API\_CREDS
- NARVAR\_API\_CREDS

- Service's and credential's names should be suffixed with “\_<site-id>” as shown below.

Administration > Operations > Services

Services Profiles Credentials

### Services

Select All	Name	Type	Profile	Credentials	Status
<input type="checkbox"/>	<a href="#">NARVAR_BULK_INGESTION_RefArch</a>	GENERIC	<a href="#">NARVAR</a>	<a href="#">NARVAR_BULK_API_CREDS_RefArch</a>	Live
<input type="checkbox"/>	<a href="#">NARVAR_BULK_INGESTION_RefArchGlobal</a>	HTTP	<a href="#">NARVAR</a>	<a href="#">NARVAR_BULK_API_CREDS_RefArchGlobal</a>	Live
<input type="checkbox"/>	<a href="#">NARVAR_LOG_INGESTION_RefArch</a>	HTTP	<a href="#">NARVAR</a>	<a href="#">NARVAR_LOGS_API_CREDS_RefArch</a>	Live
<input type="checkbox"/>	<a href="#">NARVAR_LOG_INGESTION_RefArchGlobal</a>	HTTP	<a href="#">NARVAR</a>	<a href="#">NARVAR_LOGS_API_CREDS_RefArchGlobal</a>	Live
<input type="checkbox"/>	<a href="#">NARVAR_ORDER_INGESTION_RefArch</a>	HTTP	<a href="#">NARVAR</a>	<a href="#">NARVAR_API_CREDS_RefArch</a>	Live
<input type="checkbox"/>	<a href="#">NARVAR_ORDER_INGESTION_RefArchGlobal</a>	HTTP	<a href="#">NARVAR</a>	<a href="#">NARVAR_API_CREDS_RefArchGlobal</a>	Live

- To add or update Credentials, click on the Credentials link and enter **URL**, **User** and **Password** as shown below.

**Note** : Ensure that the credentials are set for all the 3 Services accordingly.

Administration > Operations > Services > NARVAR\_BULK\_API\_CREDS\_RefArch - Details

### NARVAR\_BULK\_API\_CREDS\_RefArch

Fields with a red asterisk (\*) are mandatory. Click **Apply** to save the details. Click **Reset** to revert to the last saved state.

These credentials are used by 1 service.

Name:	<input type="text" value="NARVAR_BULK_API_CREDS_RefArch"/>
URL:	<input type="text" value="https://raavi-st01.narvar.qa/api/v1/sfcc/order/bulk"/>
User:	<input type="text" value="sfctest"/>
Password:	<input type="password" value="*****"/>

## URLs no

### Staging:

- NARVAR\_BULK\_API\_CREDS: <https://raavi-st01.narvar.qa/api/v1/sfcc/order/bulk>
- NARVAR\_API\_CREDS: <https://raavi-st01.narvar.qa/api/v1/sfcc/order>
- NARVAR\_LOGS\_API\_CREDS: <https://commerce-logger-st01.narvar.qa/api/v1/logs>

### Production:

- NARVAR\_BULK\_API\_CREDS: <https://raavi.narvar.com/api/v1/sfcc/order/bulk>
- NARVAR\_API\_CREDS: <https://raavi.narvar.com/api/v1/sfcc/order>
- NARVAR\_LOGS\_API\_CREDS: <https://commerce-logger.narvar.com/api/v1/logs>

**Note:** **User** and **Password** fields will be shared by the Narvar team. For different sites, ensure that the respective credentials are configured. To know more about these fields please refer to this [documentation](#)

## Site Preferences

- Go to **Merchant Tools > Site Preferences > Custom Preferences > Narvar**.
- By default, **Enable/Disable Info Logs to send to Narvar** is set to false. To debug any issues and send logs to Narvar for investigation set the flag as true.

Merchant Tools / Site Preferences / Custom Site Preference Groups /

Narvar

Cancel Apply to Other Sites Save

Instance Type  
Sandbox

Search by IDs...

1-4 of 4

Name	Value	Default Value	
Enable/Disable Narvar APIs	Yes	Yes	<a href="#">Edit Across Sites</a>
Enable/Disable bulk upload to Narvar	Yes	Yes	<a href="#">Edit Across Sites</a>
Enable/Disable Info Logs to send to Narvar	Yes	No	<a href="#">Edit Across Sites</a>
Narvar Failed Attempts Before Batch	3	3	<a href="#">Edit Across Sites</a>

## Verify Installation

- Go to Administrations > Operations > Jobs and run NarvarOrderAPI job.
- Verify job logs if there is any issue. If no issues are found then the cartridge has been installed successfully.
- Now orders can be placed and jobs can be triggered to send orders to Narvar.

## Shipping Methods

- Go to **Merchant Tools > Ordering > Shipping Methods**
- To add **Narvar Carrier Code** and **Narvar Service Code** for a particular Shipping method, click on the ID link and then add the Carrier and Service code.

[Merchant Tools](#) > [Ordering](#) > [Shipping Methods](#) > 001

Select Language: English (United States) ▾

**General**

Use the fields below to change the name and description of the shipping method as they should appear in the Storefront.  
 If the cost of this shipping method is based on the cost defined by another shipping method, select the base shipping method. **Note:** The shipping calculation process only considers a dependency of one level.  
 Select an appropriate tax class for the shipping method. Fields with a red asterisk (\*) are mandatory.

ID: 001

Name:

Description:

Enabled:

Default:

Based On: \*

Tax Class:

Currency:

---

**Store Pickup**

Store Pickup Enabled:

---

**Shipping Method Attributes**

Estimated Arrival Time:

---

**Narvar**

Narvar Carrier Code:

Narvar Service Code:

**Note:** Values for **Narvar Carrier Code** and **Narvar Service Code** will be provided by the Narvar team.

### Populate Shipment's shipped\_from attribute

To populate the shipment's shipped\_from attribute, one must include a store id to a particular shipment. To do so

- Go to **Merchant Tools > Ordering > Orders**
- Click an order, click on the Shipment section add the **Pickup Store ID** under Attributes tab.

[Merchant Tools](#) > [Ordering](#) > [Orders](#) > [Order:00030901\(RefArch\)](#) > Shipment: 00149001

General **Attributes**

### Attributes for Shipment '00149001'

On this page you can edit the attributes of the shipment. Fields with a red asterisk (\*) are mandatory. Click **Apply** to save changes. Click **Reset** to revert your changes.

**Store Pickup Information**

Pickup Store ID:

Store Pickup Message:

**Note:** To get the store id, go to **Merchant Tools > Online Marketing > Stores** and pick the ID.

## Customizing Cartridge

Many retailers use demandware as a storefront configurator and end up using different OMS for managing orders, fulfillments etc . Retailers can customize Order API related data like **Shipments**, **Order Items** etc.

For example, modifying shipment details.

- To modify shipment details, go to `<Project_directory>/int_narvar_sfra/cartridge/scripts/transformer/shipmentsDetails/custom.js`. Refer below screenshot
- Go to **getCustomizedShipmentDetails** function for any custom modifications.

- This function can be modified with any custom codes as per the retailer's need. Retailers can make api calls to get shipment information also.
- The shipment object should look like the contract present inside the custom.js file.
- **custom.js** file will be called inside  
<Project\_directory>/int\_narvar\_sfra/cartridge/scripts/transformer/shipmentsDetails/index.js.
- **index.js** file contains the base transformation for the **shipments** details.

**Note:** Above steps are for custom configuration. For those not using custom configuration , base transformation is used and it works only for those using Demandware as OMS.

Path - <Project\_directory>/int\_narvar\_sfra/cartridge/scripts/transformer/shipmentsDetails/index.js

```

custom.js ×
cartridges > int_narvar_sfra > cartridge > scripts > transformer > shipmentsDetails > custom.js > ...

SebashishM, a day ago | 1 author (SebashishM)
1  /* eslint-disable no-unused-vars */
2  'use strict';
3  // Shipment details
4  /*
5  "shipments": [
6  {
7  "ship_method": "Narvar Concierge",
8  "carrier_service": "E1", // This is must required
9  "items_info": [
10  {
11  "quantity": 4,
12  "sku": "750518548197M",
13  "item_id": "750518548197M"
14  }
15  ],
16  "carrier": "C1", // This is must required
17  "shipped_to": {
18  "first_name": "Sebashish",
19  "last_name": "Meher",
20  "phone": "5697798936",
21  "email": "test@gmail.com",
22  "fax": "",
23  "address": {
24  "street_1": "#509, 9th A main",
25  "street_2": "BEML layout, Thubarahalli",
26  "city": "Bangalore",
27  "state": "CA",
28  "zip": "95901",
29  "country": "US",
30  "lat": 0,
31  "lng": 0
32  }
33  },
34  // ship_source : 'DC-West', // Not mandatory but highly recommended for Returns
35  // shipped_from: {}, // Not mandatory but highly recommended for Returns & EDD
36  "ship_discount": 0,
37  "ship_total": 0,
38  "ship_tax": 0,
39  "ship_date": "2020-03-17T14:36:07Z",
40  "tracking_number": "trk123", // Must required field
41  }
42  ]
43  */
44  /**
45  * This is a description of the getCustomizedShipmentsDetails function.
46  * This function is used to get customize shipments details
47  * @param {Object} shipmentList - This is the initial array of shipments
48  * @param {dw.order.Order} order - This is the demandware order
49  * @returns {Array} - shipmentList: This will return customized shipmentList
50  */
51  const getCustomizedShipmentsDetails = function (shipmentList, order) {
52  | return shipmentList;
53  };
54

```

# Narvar Apple Wallet Integration

Narvar enables retailers to enable Apple Wallet on their B2C checkout flows. This integration works by implementing b2c apple pay hook *dw.extensions.applepay.paymentAuthorized.placeOrder*

## How to enable integration

### Existing Apple pay hook

If the apple pay hook is already implemented by other cartridges for your storefront, then follow the below guide

[https://docs.google.com/document/d/1awsRaxpXbXDbZDPfz\\_cH4AHRVMgZAOMR4\\_v\\_vMG4VdA](https://docs.google.com/document/d/1awsRaxpXbXDbZDPfz_cH4AHRVMgZAOMR4_v_vMG4VdA)

### Non-existing Apple pay hook

If the apple pay hook is not implemented in any other cartridges, then the below steps can be followed.

### Configure Service

- Go to **Administrations > Operations > Services**.
- Find out *NARVAR\_APPLEPAY\_ORDER\_DETAILS* service and edit that by appending “\_<site-id>” as shown below.



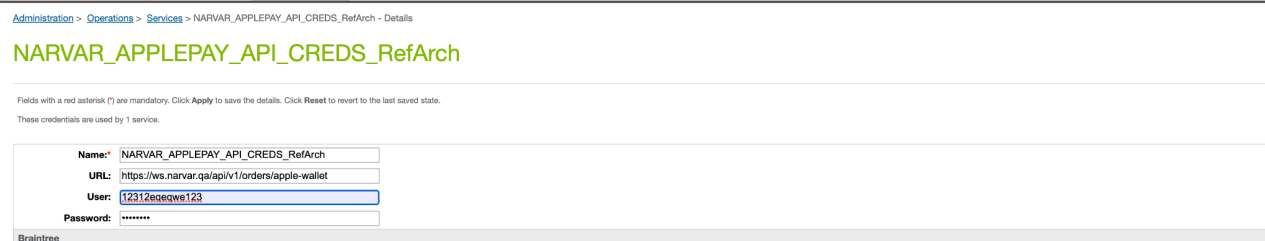
Administration > Operations > Services

Services Profiles Credentials

Services

Select All	Name	Type	Profile	Credentials	Status
<input type="checkbox"/>	NARVAR_APPLEPAY_ORDER_DETAILS_RefArch	HTTP	NARVAR	NARVAR_APPLEPAY_API_CREDS_RefArch	Live

- Also update the credential called *NARVAR\_APPLEPAY\_API\_CREDS* by appending “\_<site-id>” and update **URL**, **User** and **Password** as shown below.



Administration > Operations > Services > NARVAR\_APPLEPAY\_API\_CREDS\_RefArch - Details

NARVAR\_APPLEPAY\_API\_CREDS\_RefArch

Fields with a red asterisk (\*) are mandatory. Click Apply to save the details. Click Reset to revert to the last saved state.  
These credentials are used by 1 service.

Name: NARVAR\_APPLEPAY\_API\_CREDS\_RefArch

URL: https://ws.narvar.qa/api/v1/orders/apple-wallet

User: 12312eeqqwe123

Password: \*\*\*\*\*

BrainTree

## URLs

**QA:** <https://ws.narvar.qa/api/v1/orders/apple-wallet>

**PROD:** <https://ws.narvar.com/api/v1/orders/apple-wallet>

User and Password must be provided by the Narvar team. For different sites, ensure that the respective credentials are configured. To know more about these fields please refer to this [documentation](#)

## How to disable integration

- Search for hooks.json present inside *int\_narvar\_sfra*
- Replace that file contents with the below JSON and re-upload the cartridge.

```
{  
  "hooks": []  
}
```

To learn more about Narvar Apple wallet integration please follow this document:

[https://docs.google.com/document/d/1awsRaxpXbXDbZDPfz\\_cH4AHRVMgZAOMR4\\_v\\_vMG4VdA](https://docs.google.com/document/d/1awsRaxpXbXDbZDPfz_cH4AHRVMgZAOMR4_v_vMG4VdA)

Also, follow this document to find out how to integrate with the hook:

<https://docs.google.com/document/d/104TGS4NXpLILrlyEceb6YU-2psR4-N5Y-ypxiGIfc4w>