**Signifyd INTEGRATION**

Version 20.1.0



Table of Contents

[1. Summary 1-3](#_Toc83684805)

[2. Components 2-4](#_Toc83684806)

[3. Component Overview 3-5](#_Toc83684807)

[3.1 Functional Overview & Integration Guide 3-5](#_Toc83684808)

[3.1.1 Use Cases 3-5](#_Toc83684809)

[3.1.2 Setup access to the Site Preference 3-6](#_Toc83684810)

[3.1.3 Setup Eclipse 3-7](#_Toc83684811)

[3.1.4 Setup Site Preference Values 3-11](#_Toc83684812)

[3.1.5 Setup Service Framework Configuration 3-13](#_Toc83684813)

[3.1.6 Setup Job Schedules Configuration 3-14](#_Toc83684814)

[3.1.7 API Integration – SFRA 3-16](#_Toc83684815)

[3.1.8 API Integration – SiteGenesis Controllers 3-17](#_Toc83684816)

[3.1.9 API Integration – SiteGenesis Templates 3-18](#_Toc83684817)

[3.1.10 API Integration - Pipelines 3-19](#_Toc83684818)

[3.1.11 API Integration – Limitations and Constraints 3-21](#_Toc83684819)

[3.2 Other Non-Transactional Operations 3-23](#_Toc83684820)

[4. Configuration Guide 4-24](#_Toc83684821)

[4.1 Setup 4-24](#_Toc83684822)

[4.1.1 Configuration on Signifyd side 4-25](#_Toc83684823)

[4.2 External Interfaces List 4-26](#_Toc83684824)

[4.3 Testing 4-26](#_Toc83684825)

[4.3.1 Automated Testing 4-30](#_Toc83684826)

[4.3.1.1 Unit testing 4-30](#_Toc83684827)

[4.3.1.2 Integration testing 4-30](#_Toc83684828)

[5. Operations, Maintenance 5-30](#_Toc83684829)

[5.1 Availability 5-30](#_Toc83684830)

[5.2 Support 5-30](#_Toc83684831)

[5.3 Intended Locales 5-30](#_Toc83684832)

[6. Release History 6-31](#_Toc83684833)

[7. Process Flow Diagrams 7-32](#_Toc83684834)

**Intended Audience**

This document is intended for the technical audience that will be directly involved in the setup and/ or integration of this Salesforce Commerce Cloud cartridge.

# Summary

Signifyd is a fraud solution that provides a financial guarantee, allowing businesses to increase sales while reducing fraud losses. The Signifyd cartridge will be integrated into Salesforce Commerce Cloud using three primary API integration points: Signifyd’s [Create Case API](https://www.signifyd.com/docs/api/#/reference/cases/create-a-case/create-case), [Send Transaction API](https://signifydenterprise.docs.apiary.io/#reference/events/payment-completed/send-transaction) and an [HTTP callback](https://www.signifyd.com/docs/api/#/reference/webhooks) (webhook). The Case Create API is used to pass order and transaction details to Signifyd for fraud review. Signifyd Create Case policy can be either asynchronous (post-authorization) or synchronous (pre-authorization). The Send Transaction API is used to pass the details of the payment and the status of the payment, success or failure, and is only called when creating a case before collecting payment (pre-authorization).

This document primarily serves as the LINK implementation guide for setting up Signifyd on standard SiteGenesis.

The Set Up and Custom Code Configuration described in this document assume the use of SiteGenesis 103.1.11 release of app\_storefront\_core. Custom coding might be required if adapting the cartridge to work with other SiteGenesis releases, pre-2.0 releases, and versions of SiteGenesis that do not include the RequireJS framework.

# Components

**Cartridge Name**Int\_signifyd

**New Signifyd Controller**  
controllers/Signifyd.js

**Modified System Controller**COSummary  
CheckoutServices

**Modified System Pipeline**  
COSummary

**Modified Core Template**  
htmlhead.isml

**Scripts**  
service/signifydInit.js  
service/signifyd.js  
service/pp\_signifyd.ds  
job/CreateMissingOrders.js

**Templates**  
default/signifyd\_device\_fingerprint.isml

**Cartridge Path**

**Pipeline based approach:**int\_signifyd:app\_storefront\_pipelines:app\_storefront\_core...

**Controllers based approach:**int\_signifyd:app\_storefront\_controllers:app\_storefront\_core...

**SFRA based approach:**int\_signifyd\_sfra:int\_signifyd:app\_storefront\_base...

**MetaData**

* metadata.xml
* services.xml
* jobs.xml

# Component Overview

## Functional Overview & Integration Guide

### Use Cases

**Post-authorization**

If the custom site preference ***SignifydCreateCasePolicy*** is set to “POST\_AUTH”, Signifyd decisions are returned asynchronously, so an HTTP callback (webhook) is used to return their guarantee decision. Refer to section 7 - Process Flow Diagrams for post-auth process flow.

**Action 1.** The Signifyd Create Case REST API is called after the Salesforce Commerce Cloud order has gone through the authentication process against the payment provider right before displaying the order summary page. Because it is only called during the order creation, this will ensure that create case is never called again for that same order.   
The use of DWRE Service Framework is in use by all service calls.

**Action 2.** The second integration point is a publicly accessible URL that will be used as the callback/web-hook endpoint. This endpoint will be called when Signifyd has completed its fraud assessment and a decision is made to either approve or decline the order for financial guarantee. This triggers an update to the order in SFCC and could also indicate that the order is ready to export (depending on settings).

**Pre-authorization**

If the custom site preference ***SignifydCreateCasePolicy*** is set to “PRE\_AUTH”, Signifyd decisions are returned synchronously after the create case call. Refer to section 7 - Process Flow Diagrams for pre-auth process flow.

**Action 1.** The Signifyd Create Case REST API is called before the Salesforce Commerce Cloud order has gone through the authorization process against the payment provider. If Signifyd returns a declined/rejected response, the authorization call will not happen, and the order will be failed. The storefront will display a default error message for the customer. If the merchant wants to customize this message, it can be changed directly in the code. If Signifyd returns an accept/approved response, Salesforce Commerce Cloud proceeds with the authorization process against the payment provider.

**Action2.** For Signifyd approved others, after the authorization process result (success or failure), the Send Transaction API is called to send the payment details and status to Signifyd.

**Passive Mode on pre-authorization**

Passive mode can be used by setting the custom site preference ***SignifydPassiveMode*** to “Yes”. If passive mode is enabled, Signifyd decision will be visible on Business Manager through the order custom attributes, but it won’t impact the order status regardless of Signifyd accept/decline decisions. When the passive mode is switched off, Signifyd decision will be updated on the order and the order status will be impacted according to the accept/decline decisions.

### Setup access to the Site Preference

All permissions for customers can be set in Administration →Organization →Role & Permissions. You can allow admin level users to edit Site settings and disallow non-admin users. You may need to make changes to this in order to enable or disable access to the required Signifyd site preferences.





### Setup Eclipse

***Steps for Loading the Cartridge in Eclipse***

A workspace is an Eclipse-specific local directory that contains Eclipse projects. Normally Eclipse projects are connected to Java source directories (packages). In Demandware Studio projects are different: they either define a connection to a Salesforce Commerce Cloud instance or they point to a Salesforce Commerce Cloud cartridge. They are never used to compile Java projects since Java code is not used in Salesforce Commerce Cloud application programming.

Each workspace should have only 1 Salesforce Commerce Cloud server connection (covered later in this module). For example, if you are a developer working on numerous client projects, you will want to create a separate workspace for each client. Each client workspace will then have only 1 specific server connection.

**Run the Create a Workspace activity.**

**To install the UX Studio plugin into Eclipse and to create a new workspace (when using UX Studio for the first time), follow these steps:**

1. The first time you use the application, you will be prompted to create a new workspace name. Give your workspace a name that references the client you are working with.



1. Eclipse will first display the Welcome message in the main working area. 

**Creating a Server Connection**

In order to upload your code to a Salesforce Commerce Cloud server, you will need to create a server connection in UX Studio. A server connection allows you to push your code to the server instance, but you will not be able to pull the code onto your personal computer from the Salesforce Commerce Cloud server. The connection is a 1-way push only.

**Create a new server Connection**

1. From UX Studio, click **Fil**e->**New**->**Digital Server Server Connection**. The new server connection box opens.
2. Complete it as follows.

In the **Project name** and **Host name** fields, use the host name provided by your client:   
e. g. **https://signifyd01-tech-prtnr-na05-dw.demandware.net/**Enter your password. Check the **Remember Password** flag.

1. Click **Next**.
2. A security warning regarding an invalid certificate for your sandbox shows up. Click **Yes** to continue.

Select **version1** as the target version you want to upload your files to: 

1. Click **Finish**.

Your connection project is now connected to your sandbox and will be used to upload any cartridge projects to that sandbox, as seen later in this module.

**Import a project in Studio**

1. From within UX Studio, click on **File**->**Import...** an import window will open.
2. From the Import window, click to expand the **General** menu.
3. Click the **Existing Projects into Workspace** option. If you have an SVN server, you can import projects directly from a repository, which is the most common way to obtain cartridges when you are working on a project.



1. Click ‘**Next**’.
2. In the next window, click to ‘**Browse...**’ button. 
3. Locate the folder on your hard drive where cartridges are located. Your instructor will provide a zip file with all solution cartridges for you to install locally. Click **OK**.
4. Any cartridges in the folder structure (including subfolders) will be displayed in the **Projects** box. Click **Select All:**

1. Click ‘**Finish**’.



1. The next dialog allows you to select the specific cartridges you want uploaded to your server connection. Click **Select All.**
2. Click **OK** to upload the cartridges and finish the import process.
3. You might receive a dialog stating to delete projects on the server not matching the ones in your workspace. If you’re the only one working on that instance e.g., it’s your personal sandbox you might recognize the projects there.



1. If you import cartridges before you have an active server connection or somehow forgotten to link a cartridge to the server, do the following to ensure that cartridges will get uploaded correctly: right-click the server connection and select **Properties:**



13. Select **Project References** and then select every cartridge that you want uploaded to the server connection and Click ok.

### Setup Site Preference Values

**Configuration - Metadata import**

First step is to import system object definitions for the Signifyd attributes for Order and Site Preferences. These are provided with cartridge in metadata.xml file

Upload this file via Business manager into your site: 1. Click on button "Upload" in Administration > Site Development > Import & Export



2. Choose your local file and again click "Upload"

3. And Click back button to return to Import page.

4. On the Meta Data section click on the 'Import' button

5. Select the metadata.xml file that you just uploaded and click 'next' to go through import process.



**After import – Preference Entry**

You will now see a 'Signifyd Settings' attribute group in the site preference section. Merchant Tools > Site Preferences > Custom Site Preferences:



You will now also be able to see the Signifyd attribute under an order by clicking on the 'Attributes' tab.

Graphical user interface, text, application

Description automatically generated

### Setup Service Framework Configuration

**Configuration – Service Framework Setup Import**

Import the base Signifyd Service Framework configuration required by the Signifyd cartridge.

**Step 1**

In Business Manager go to Administration->Operations->Import Export and select ‘upload’ then browse to the *services.xml* file that is located in the meta folder included with the Signifyd cartridge.

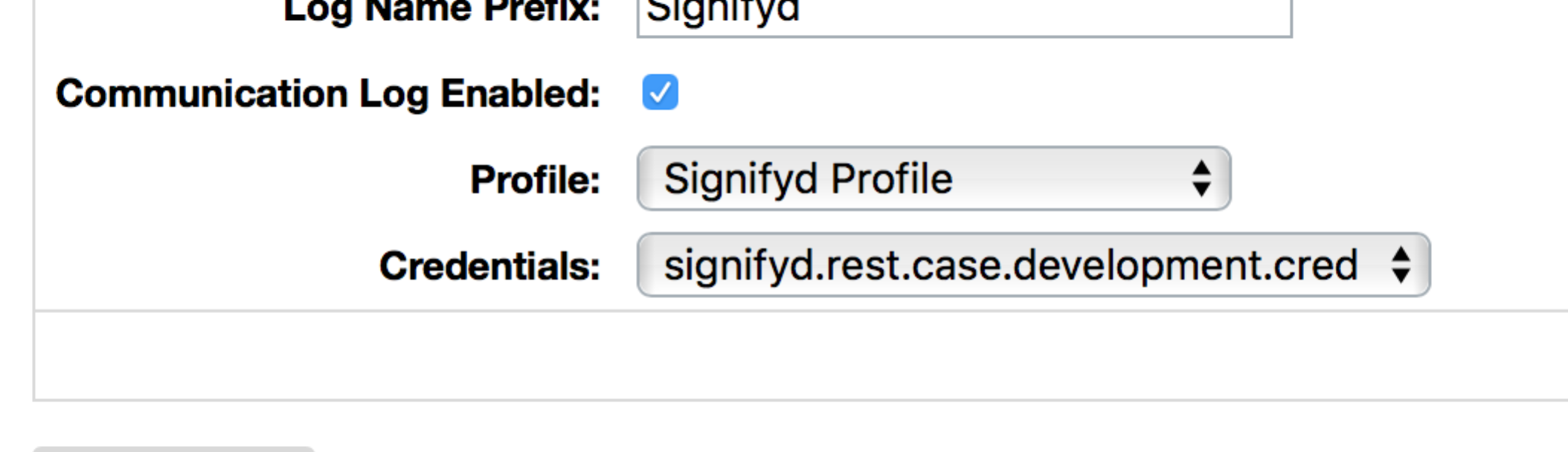


**Step 2**

Once the services file is uploaded click Import and chose *merge* to import the default Service Framework configuration.

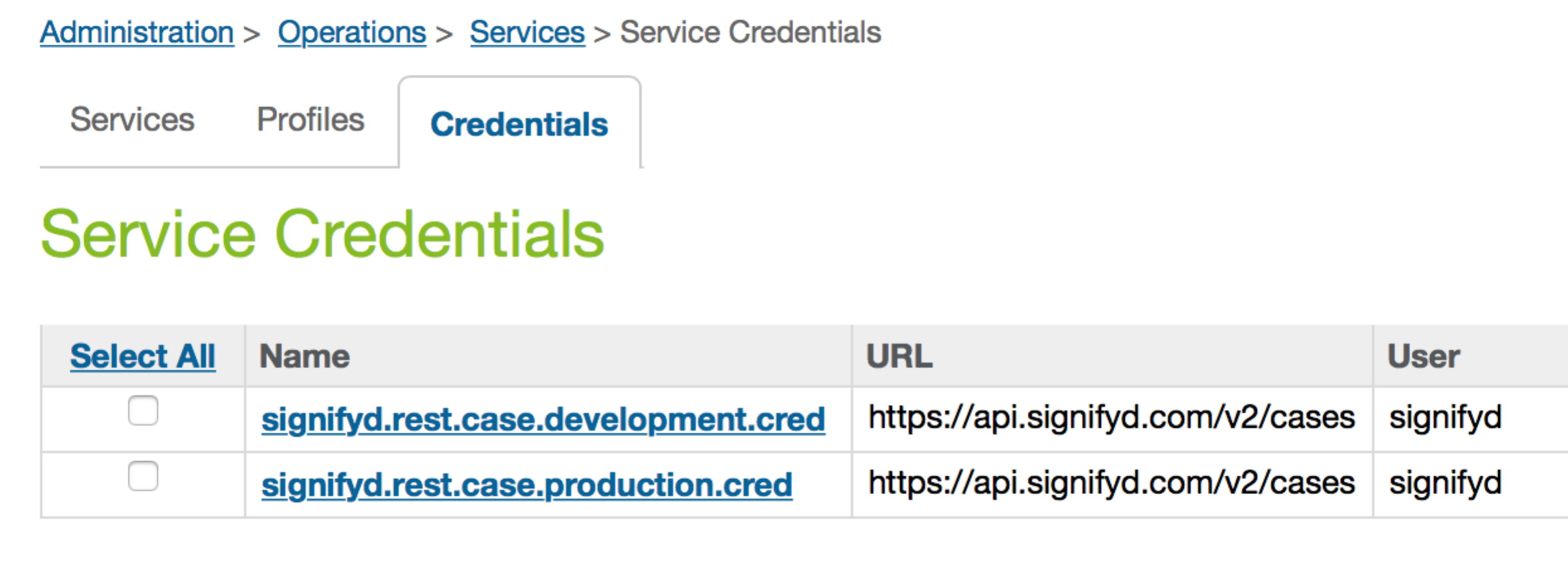
**Step 3**

Once imported you will need to navigate to the Signifyd service configuration and make sure the credential set that is being used aligns with the correct SFCC instance (i.e., development credentials on sandboxes).



**Step 4**

Navigate to the *credentials* tab and click to edit the credential sets. You will receive a test and a production API key from Signifyd. Be sure to enter the information provided by Signifyd for your particular implementation and environment.



### Setup Job Schedules Configuration

**Configuration – Job Schedules Setup Import**

Import the base Signifyd Job Schedules configuration required by the Signifyd cartridge.

**Step 1**

In Business Manager go to Administration->Operations->Import Export and select ‘upload’ then browse to the *jobs.xml* file that is located in the meta folder included with the Signifyd cartridge.



**Step 2**

Once the jobs file is uploaded click Import and choose *replace* to import the default Job Schedules configuration.

**Step 3**

In Business Manager go to Administration->Operations->Job Schedules. The Signifyd-CreateMissingOrders job will be displayed:



**Step 4**

Select Signifyd-CreateMissingOrders to enter the Job Schedule configuration. Configure your Job Schedule to run once, daily, or on any desired schedule. We recommend you schedule your jobs to run at least once a day.



### API Integration – SFRA

**Script changes**

**Script:** checkoutHelpers.js

**Path**: signifyd\_sfra\_changes/cartridge/scripts/checkout/checkoutHelpers.js

Function **placeOrder()** on **checkoutHelpers.js** was modified to add the following logic:

* If the cartridge is enabled and the **SignifydHoldOrderEnable** is set to **Yes**, then the order export status will be set to Not Exported and will later be updated based on Signifyd’s webhook decision.
* If the cartridge is enabled and the **SignifydHoldOrderEnable** is set to **No**, then the order export status will be set to Ready For Export as in the default **placeOrder()** function.
* Different logic can be added if the merchant wants to have customization for specific payments.

**Adding the necessary changes**

**Case 1 - Merchant didn’t customize the base SFRA checkoutHelpers.js file**

The file **checkoutHelpers.js** contains code to override the SFRA default function **placeOrder()** and add custom logic to set the export status according to the **SignifydHoldOrderEnable** custom preference.

The file should be place on the following path, to extend the existing SFRA file:

**{merchant\_customized\_cartridge}/cartridge/scripts/checkout/checkoutHelpers.js**

**Case 2 - Merchant already customized the base SFRA checkoutHelpers.js file**

If the merchant already has custom logic added on his own checkoutHelpers.js file, only the necessary changes can be added (example file available on signifyd\_sfra\_changes/cartridge/scripts/checkout/checkoutHelpers.js):

Text

Description automatically generated

### API Integration – SiteGenesis Controllers

**Modifications in System Controller**

Enabling SFCC to send requests to Signifyd requires a modification to the system controller file: *controllers/COSummary.js*

1. Add these two rows in the beginning of the *submit()* method:

var Signifyd = require('int\_signifyd/cartridge/scripts/service/signifyd');  
var orderSessionID = Signifyd.getOrderSessionId();

1. Add those two rows near the end of the same function method:

Signifyd.setOrderSessionId(placeOrderResult.Order, orderSessionID);

Signifyd.Call(placeOrderResult.Order);

Those two last lines (number 2) should go within last ‘else if’ statement.

*else if (placeOrderResult.order\_created) {*   
**….<Insert code here>…..**  
}

The final code should look something like this:



### API Integration – SiteGenesis Templates

**Modifications to Core Template**

In order to insert the fingerprint JavaScript snippet in the HTML <head> element, modify the template *default/components/header/htmlhead.isml*.

Add the following lines in the end of the file (around line 78):

<isif condition="${dw.system.Site.getCurrent().getCustomPreferenceValue('SignifydEnableCartridge')}">  
 <isinclude template="signifyd\_device\_fingerprint" />  
</isif>

The result should look like the following:



### API Integration - Pipelines

**Modifications to System Pipeline**

Another way to make SFCC send requests to Signifyd is modification to system pipeline for pipeline-based site implementations. Since the pipeline-based approach could eventually be deprecated by Salesforce Commerce Cloud, the controller-based approach is recommended

Pipeline name is*: pipelines/* *COSummary.xml*

Add a script *pp\_signifyd.ds* to the end of pipeline Submit as this shown on below image:



Input parameter for this script must be a current Order.



### API Integration – Limitations and Constraints

The Signifyd fraud service relies on transaction data passed back from the payment gateway. If a custom payment gateway is implemented, make sure to pass required information to Signifyd by modifying the *signifyd.js* file as shown below:

The values for AVS and CVV Response Code fields MUST map to standard response codes. See [this document](http://www.emsecommerce.net/avs_cvv2_response_codes.htm) for valid response codes. AVS and CVV values should be updated by the merchant for getParams() and getSendTransactionParams() (in case of Pre-auth enabled) functions on signifyd.js file.

**getParams()**

Text

Description automatically generated with low confidence

**getSendTransactionParams()**

Text

Description automatically generated

## Other Non-Transactional Operations

You can enable logs for all operations with the Signifyd API for debugging. But don't forget to disable it after debugging to prevent uncontrolled growth of log files.

Go to Administration –>Operation –>Custom Log Settings. You can enable specific levels of logging for Signifyd. Each level brings a different or higher level of detail in the logs



# Configuration Guide

## Setup

The Signifyd cartridge has a configuration setting to hold the order or immediately export depending on Signifyd’s guarantee decision. The site preference setting is called ***SignifydHoldOrderEnable*** and if set to true this indicates that the Salesforce Commerce Cloud order is held until the webhook listener is called and indicates that the order is approved. This is accomplished by marking order as 'Not Exported' to prevent it from exporting until the webhook listener updates the order to 'Ready for Export'.

The site preference ***SignifydEnableDecisionCentre*** can be enabled if you are using Signifyd’s Decision Center product and DECISION\_MADE webhook.

The site preference ***SignifydCreateCasePolicy*** decides whether the create case policy will be pre-authorization (synchronous) or post-authorization (asynchronous).

Use the site preference ***SignifydDecisionRequest*** to setup the decision request as GUARANTEE, SCORE or DECISION.

See below for screenshot of the settings, accessible through **Merchant Tools > Site Preferences > Custom Site Preference Groups > Signifyd Settings.**

Graphical user interface, application

Description automatically generated

### Configuration on Signifyd side

All Signifyd cases created during SFCC order creation can be viewed here: <https://app.signifyd.com/cases>

API key, Profile and all other settings can be set up on this page: <https://app.signifyd.com/settings>

The webhooks for Guarantee Completion, Case Creation, Case Rescore, Case Review, Decision Made and Claim Review should be configured in <https://app.signifyd.com/settings/notifications> in order to update SFCC with the latest status from Signifyd.

Example URL: <https://yourStoreUrl.com/on/demandware.store/Sites-SiteGenesis-Site/en_US/Signifyd-Callback>.

Or you can add a URL Rule like below:



And add e.g. https://yourStoreURL.com/s/SiteGenesis/signifydcallback to the Webhook Addresses in <https://app.signifyd.com/settings/notifications>

If the custom site preference ***SignifydCreateCasePolicy*** is set to ‘PRE\_AUTH’, there is no need to configure a webhook to receive the decision back.

## External Interfaces List

|  |  |  |
| --- | --- | --- |
| **Action** | **API Call** | **Method** |
| Case Creation | https://www.signifyd.com/docs/api/#/reference/cases/create-a-case | POST |
| Guarantee submission | https://www.signifyd.com/docs/api/#/reference/guarantees | POST |
| Webhook interface | https://www.signifyd.com/docs/api/#/reference/webhooks | POST |

>

## Testing

**Test Case 1:** Order Placement with Site Preference ‘Signifyd Hold Order’ Set to “Yes”

**Note***: ‘guaranteeDisposition’* is only updated if on post-auth flow and a webhook other than ‘Decisions’ is enabled.

**Status:** Order Approved

**Expected Result**:

1. A case will be created on Signifyd site at <https://app.signifyd.com/cases>. The case ID will be saved on the order.
2. The order details will be sent from SFCC to Signifyd and should be visible in the Signifyd Admin Panel.
3. Order Status will be ‘Open’ in SFCC
4. Once webhook marks the order data ‘guaranteeDisposition: "APPROVED"’ the order will be updated to ‘Ready for Export’ in SFCC.
5. The following order attributes will be updated:
   1. ‘SignifydCaseID’
   2. ‘SignifydFraudScore’
   3. ‘SignifydGaurenteeDisposition’
   4. ‘SignifydOrderURL’

**Status:** Order Declined

**Expected Result**:

1. A case will be created on Signifyd site at <https://app.signifyd.com/cases>. The case ID will be saved on the order.
2. The order details will be sent from SFCC to Signifyd and should be visible in the Signifyd Admin Panel.
3. Order Status will be ‘Open’ in SFCC
4. Once webhook marks the order data ‘guaranteeDisposition: "DECLINED"’ the order will stay on 'Open' status in SFCC.
5. The following order attributes will be updated:
   1. ‘SignifydCaseID’
   2. ‘SignifydFraudScore’
   3. ‘SignifydGaurenteeDisposition’
   4. ‘SignifydOrderURL’

**Test Case 2:** Order Placement with Site Preference ‘Signifyd Hold Order’ Set to “No”

**Note***: ‘guaranteeDisposition’* is only updated if on post-auth flow and a webhook other than ‘Decisions’ is enabled.

**Status:** Order Approved/Order Declined

**Expected Result**:

1. A case will be created on Signifyd site at <https://app.signifyd.com/cases>. The case ID will be saved on the order.
2. The order details will be sent from SFCC to Signifyd and should be visible in the Signifyd Admin Panel.
3. Order Status will be ‘Ready For Export’ in SFCC
4. The following order attributes will be updated:
   1. ‘SignifydCaseID’
   2. ‘SignifydFraudScore’
   3. ‘SignifydGaurenteeDisposition’
   4. ‘SignifydOrderURL’

**Test Case 3:** Order Placement with Site Preference ‘Enable Decision Centre’ Set to “Yes”

**Status:** Order Approved/Order Declined

**Expected Result**:

1. A case will be created on Signifyd site at <https://app.signifyd.com/cases>. The case ID will be saved on the order.
2. The order details will be sent from SFCC to Signifyd and should be visible in the Signifyd Admin Panel.
3. Order Status will be ‘Ready To Export’ in SFCC
4. The following order attributes will be updated:
   1. ‘SignifydCaseID’
   2. ‘SignifydFraudScore’
   3. ‘SignifydOrderURL’
   4. ‘SignifydPolicy’
   5. ‘SignifydPolicyName’

**Test Case 4:** Order Placement with Site Preference ‘Signifyd Create Case Policy’ Set to “PRE\_AUTH”

**Status:** Order Approved

**Expected Result**:

1. A case will be created on Signifyd site at <https://app.signifyd.com/cases>. The case ID will be saved on the order.
2. The order details will be sent from SFCC to Signifyd and should be visible in the Signifyd Admin Panel.
3. Order Status will be ‘Ready To Export’ in SFCC
4. The following order attributes will be updated:
   1. ‘SignifydCaseID’
   2. ‘SignifydFraudScore’
   3. ‘SignifydOrderURL’
   4. ‘SignifydPolicy’
   5. ‘SignifydPolicyName’ (if Decision Center is enabled)

**Test Case 5:** Order Placement with Site Preference ‘Signifyd Create Case Policy’ Set to “PRE\_AUTH”

**Status:** Order Rejected

**Expected Result**:

1. A case will be created on Signifyd site at <https://app.signifyd.com/cases>. The case ID will be saved on the order.
2. The order details will be sent from SFCC to Signifyd and should be visible in the Signifyd Admin Panel.
3. The order will be failed and SFCC will not proceed with the authorization. A default error message will be shown on the storefront for the customer. This message can be customized on the code.
4. The following order attributes will be updated:
   1. ‘SignifydCaseID’
   2. ‘SignifydFraudScore’
   3. ‘SignifydOrderURL’
   4. ‘SignifydPolicy’
   5. ‘SignifydOrderFailedReason’

**Test Case 6:** Retry job

|  |  |  |
| --- | --- | --- |
| #: | Step actions: | Expected Results: |
| 1 | BM>Merchant Tools>Site Preferences>Custom Site Preference Groups>Signifyd Settings   - Set "Enable Signifyd Cartridge:" to **Yes**. - Enter **invalid** API key | The configuration should be saved. |
| 2 | Place an order. | The order should be placed. |
| 3 | BM>Merchant Tools>Ordering>Orders  Check order attributes | Signifyd Case ID for this order is empty |
| 4 | BM>Merchant Tools>Site Preferences>Custom Site Preference Groups > Signifyd Settings  - Enter **valid** API key | The configuration should be saved. |
| 5 | BM>Administration>Operations>JobSchedules  Run Signifyd-CreateMissingOrders. | The job should run and a Case ID should be generated for the order if the status is not CANCELLED or FAILED. |
| 6 | BM > Merchant Tools > Ordering > Orders  Check order attributes | The Signifyd Case ID was set |

### Automated Testing

On this implementation we have provided unit and integration testing

### Unit testing

To do the automated testing open your command prompt (windows) or terminal (MacOS/Linux/Unix) navigate to the folder above the cartridges and tun the command “npm run test”, this will test the functionalities within the cartridge source code

### Integration testing

To run the automated integration testing create a dw.json file on the navigate to the folder above the cartridges

{  
 "hostname" : "somesb.demandware.net",  
 "username" : "someUser",  
 "password" : "somePassoword",  
 "version" : "someversion"  
}

Then run the command npm run test:integration

# Operations, Maintenance

## Availability

Availability/Uptime is 24/7 is the intended access. But in case of service failure the order will get placed. And a script step job can be configurated to create the missing orders not send to Signifyd

## Support

For implementation questions or issues please contact your assigned Customer Success Manager. For general support questions or issues [contact Support](https://www.signifyd.com/contact/).

## Intended Locales

Out of the box the cartridge supports “en\_Us” locale, but other locales may be added according to Signifyd’s service availability, Signifyd has support for multiple countries and locales.

# Release History

|  |  |  |
| --- | --- | --- |
| **Version** | **Date** | **Changes** |
| 16.1.0 | 08/15/2015 | Initial release |
| 18.1.0 | 04/01/2018 | Added Job Schedule configuration and template modification |
| 19.1.0 | 02/28/2019 | Added modifications to support SFRA |
| 20.1.0 | 03/24/2020 | Added Unit and Integration testing |

# Process Flow Diagrams

