

**Shield Square Integration Guide**

***Link Version 19.10.0***

**February 2020**

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# **Summary**

This document is intended for the customers who wish to block bots on their application server by integrating REST API (Representational state transfer) in their respective tech stack. With this integration, seamless bot detection service can be enabled to the integrated environment and the customer can decide to start mitigation.

The main purpose of this document is to outline general concepts describing the Job configuration and logging view.

This document includes a step by step guide related to Business Manager configuration and integration details.

SFCC Business Manager guide will help in selecting or updating values for each attribute using Merchant section of Business Manager. Also included in the guide are steps to add new attribute values using Administration section of Business Manager.

This integration can work with both **SiteGenesis controller** and **Storefront Reference Architecture**.

# **Component Overview**

Functional Overview

Following is the list of features implemented in the Shield square Link cartridge integration:

### 

### Use Case: Shield square Protection API



|  |  |
| --- | --- |
| **Use Case Scenarios** | **Result** |
| The User browse a page in store. | The merchant store will intercept each request in backend and will send it to Shieldsquare for review. Shieldsquare will allow request to continue normally if no issue found otherwise will block the user and redirect to challenge page (captcha). |

# **Implementation Guide**

To integrate Shieldsquare, you may perform the following steps:

## Clone code

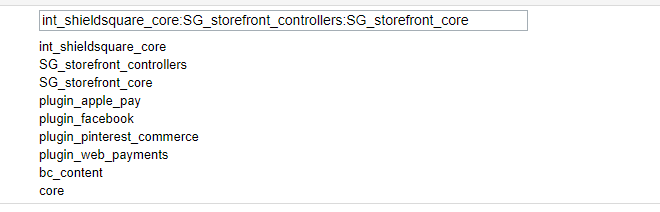
* Clone repository to their local machine.
* After cloning you will find the **int\_shieldsquare\_core and int\_shieldsquare\_sfra** cartridges.
* The cartridge needs to be imported and uploaded onto the instance.

## Cartridge path Configuration

* Navigate to the following path **Sites** 🡪 **Manage Sites** 🡪 **Merchant Site** 🡪 **Settings**
* Add the cartridge names to Cartridges path as shown in screenshot below:

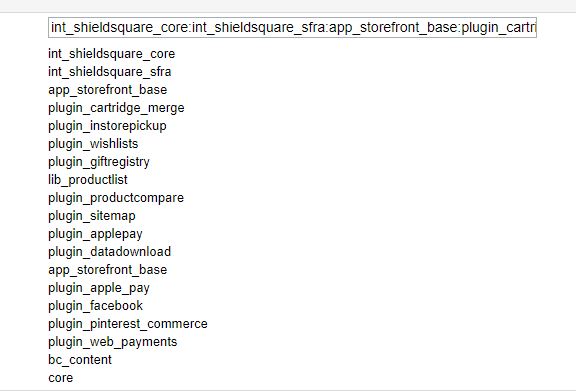
#### **Controller Version**

* int\_shieldsquare\_core:SG\_storefront\_controllers:SG\_storefront\_core



#### **SFRA Version**

int\_shieldsquare\_core:int\_shieldsquare\_sfra:app\_storefront\_base:plugin\_cartridge\_merge:plugin\_instorepickup:plugin\_wishlists:plugin\_giftregistry:lib\_productlist:plugin\_productcompare:plugin\_sitemap:plugin\_applepay:plugin\_datadownload:app\_storefront\_base



## Importing Metadata

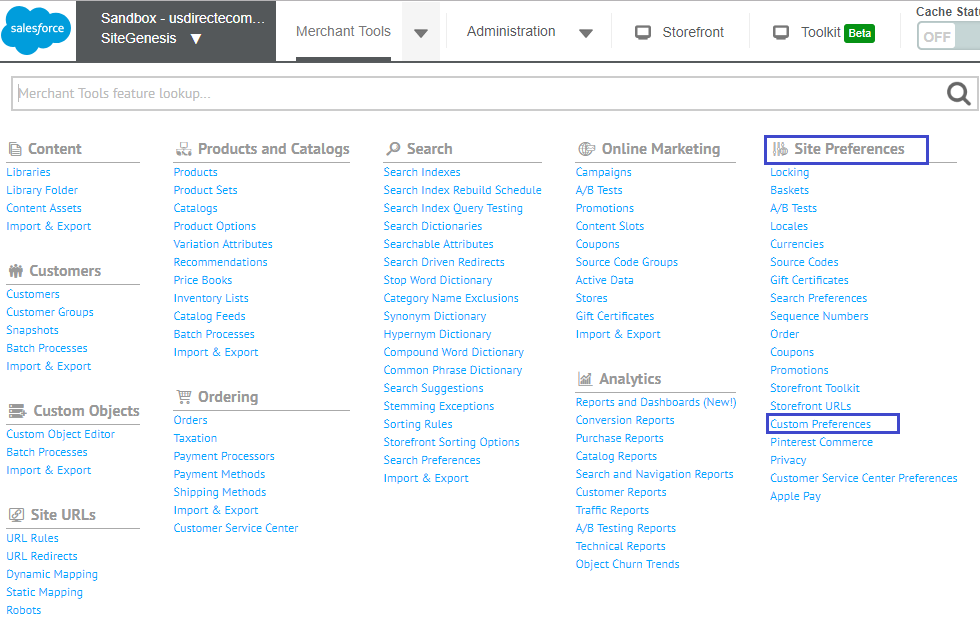
* Go to **Metadata** in your downloaded folder. Rename the **SiteGenesis** folder to your **site id**.
* To import Sitesdata, Zip the folder “sitesdata”. And Import sitesdata.zip into your instance (Meta Data, Jobs and services)
* Assign the **int\_shieldsquare\_core /** **int\_shieldsquare\_sfra** cartridge to your site’s cartridge path like this. It can be placed anywhere in the cartridge path.
* User can now make use of the cartridge

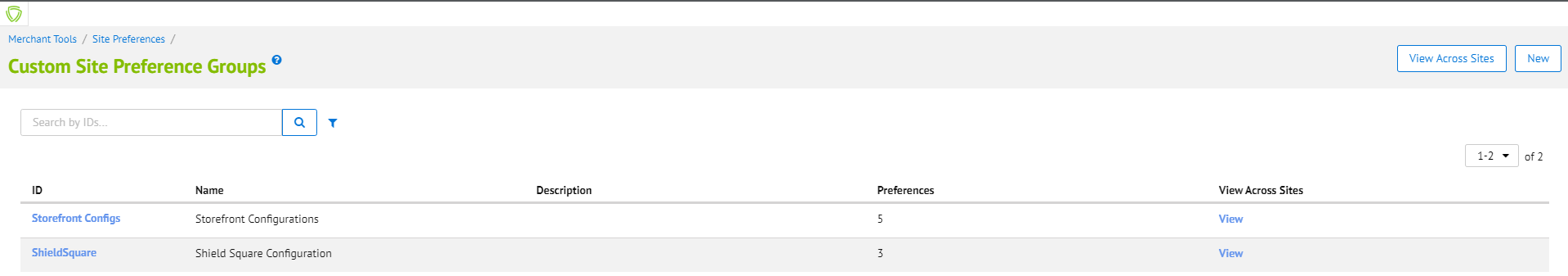
# **Site Configurations**

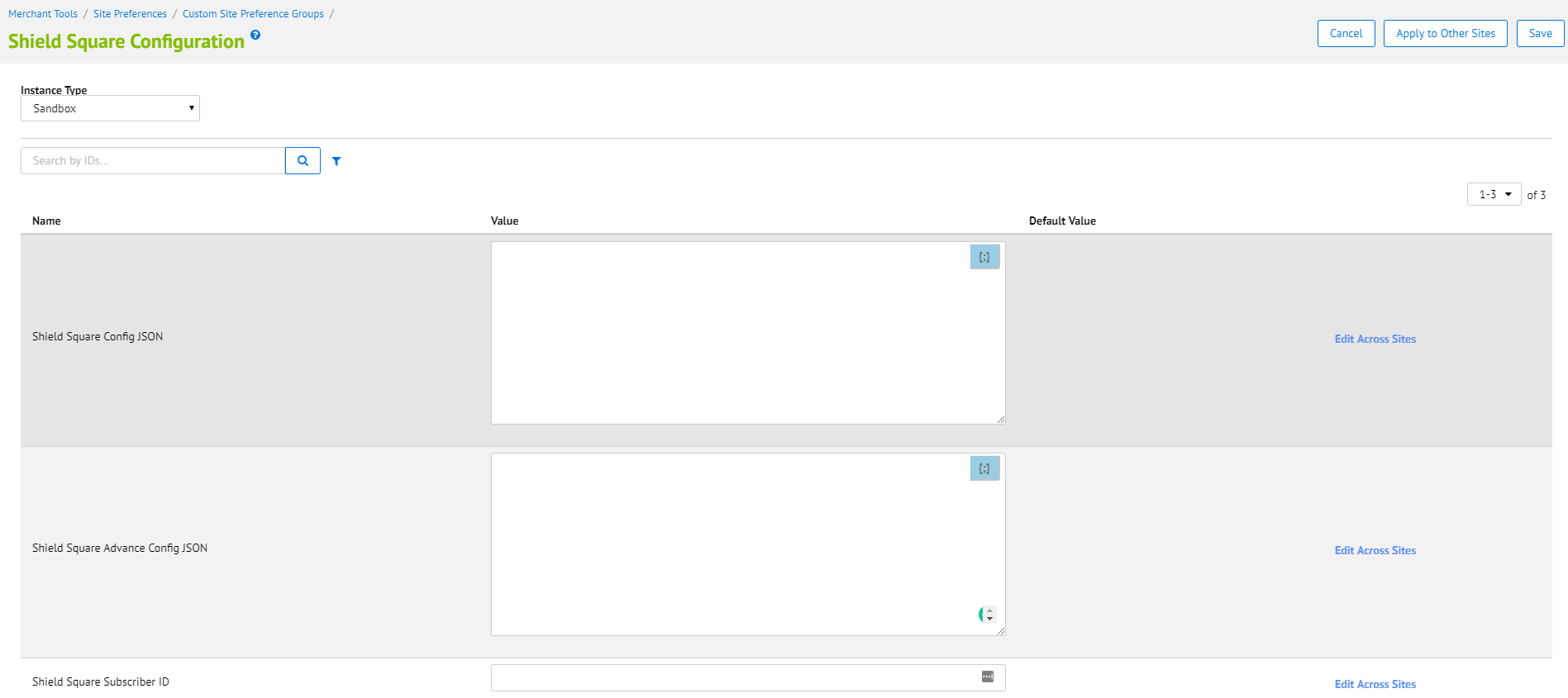
## Custom Preferences

(Merchant Tools > Site Preferences > Custom Preferences)

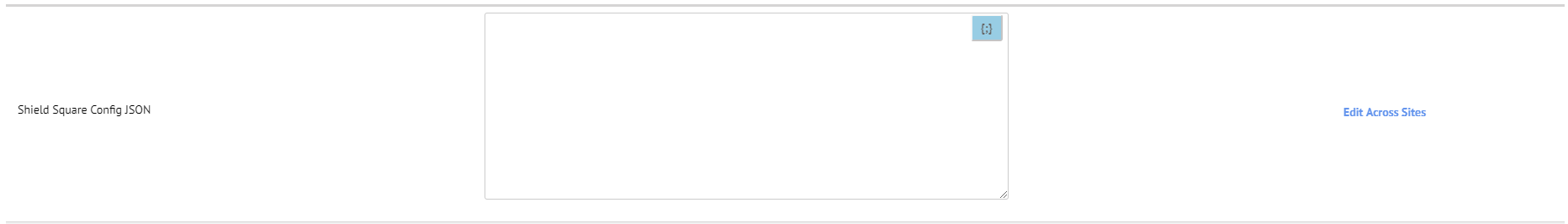
Custom Preferences are used for several configurations of Shieldsquare cartridge as explained below.





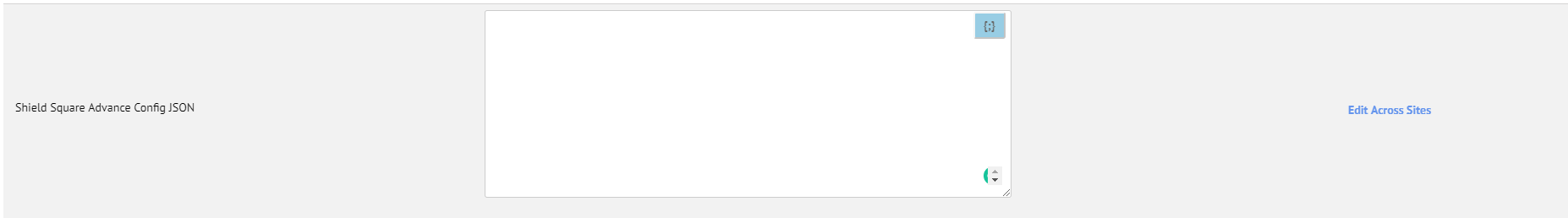


### Shield Square Config JSON



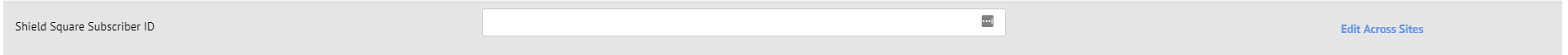
* This initial configuration can be downloaded from ShieldSquare portal. Download salesforce connector from portal ,you will find ss2\_config.json.

### Shieldsquare Advance Config JSON



* This configuration will update on every 5 min. We have created one job called ShieldSquareUpdateConfig
* Using this job this custom preference will update on every 5 min. This custom preference will used to build Shield Square request

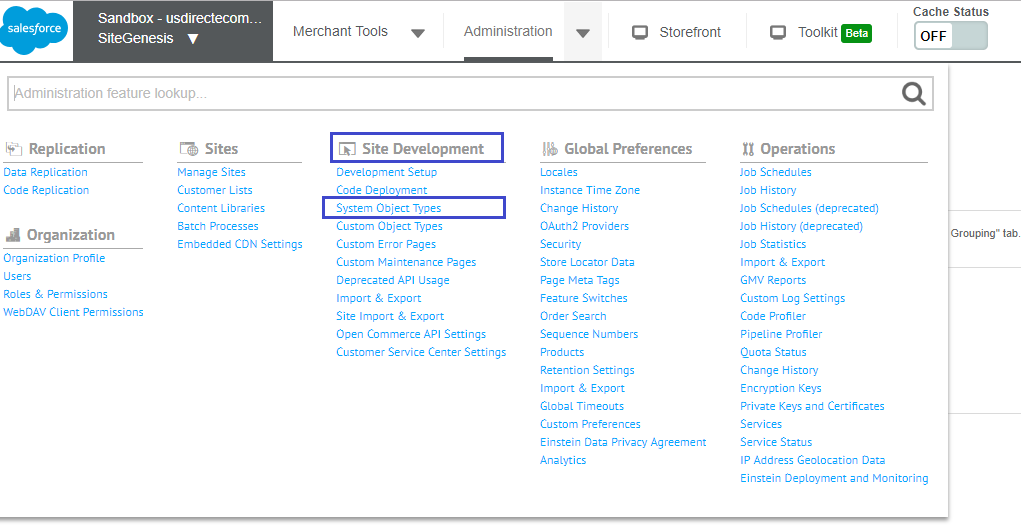
### Shieldsquare Subscriber ID



* Subscription ID will be to find from shied square portal. This subscription id is used in shield square request

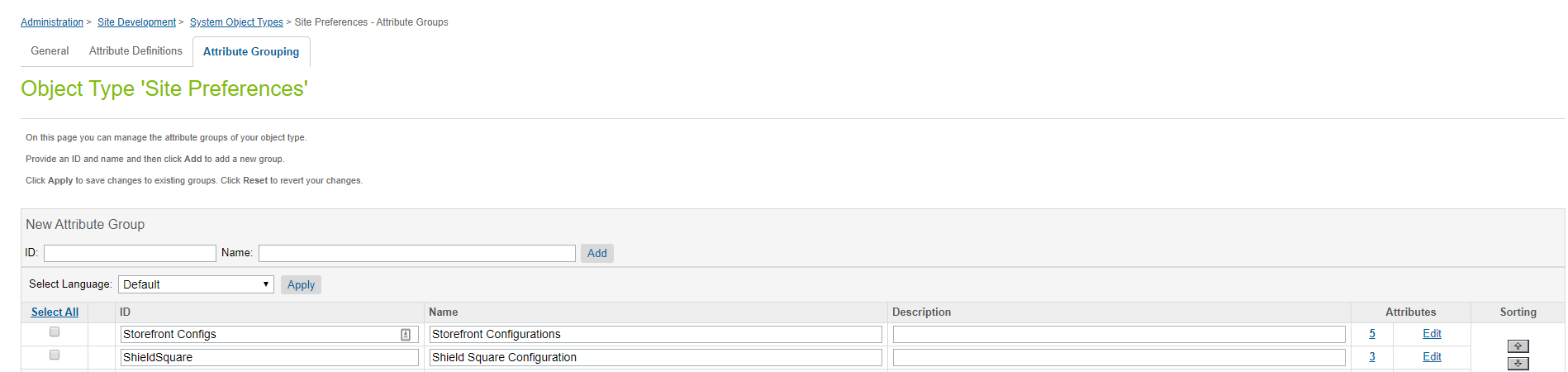
# System Object Types

Go to > Administration > Site Development > System Object Types > **Site Preferences**

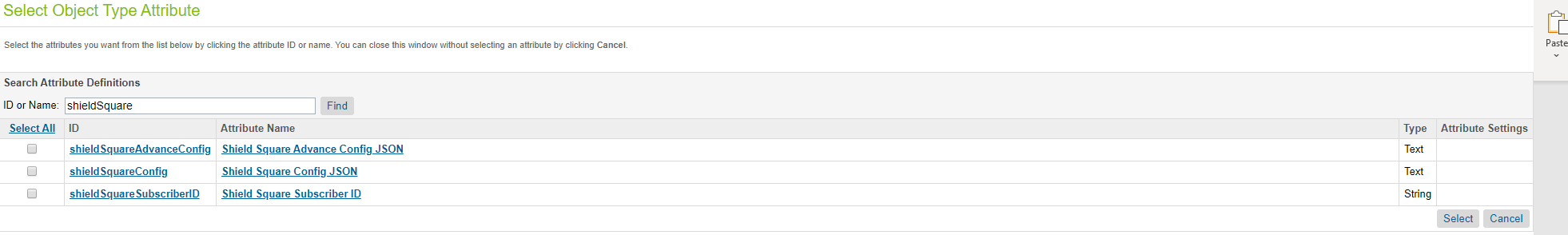


### Attribute Grouping

Click on Attribute Grouping tab to view/update the Site Preference Groups ID and Name



### Attribute Definitions



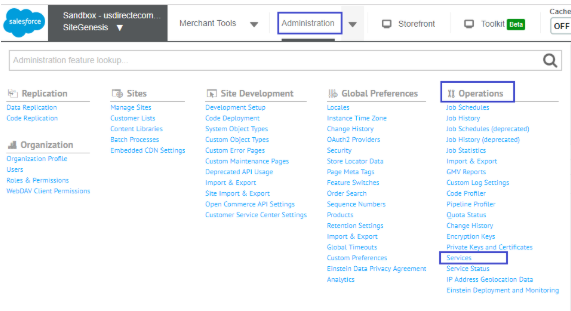
These are all the Shieldsquare related site preferences used in this integration.

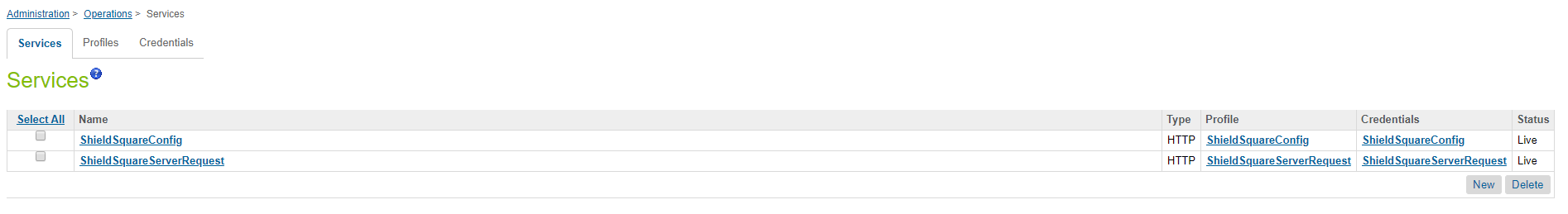
# Services

(Administration > Operations > Services)

There are two services used for Shieldsquare requests. To find the services, follow the steps given below.

Administration > Operations > Services and search for keyword “Shieldsquare”. it will show below two services.

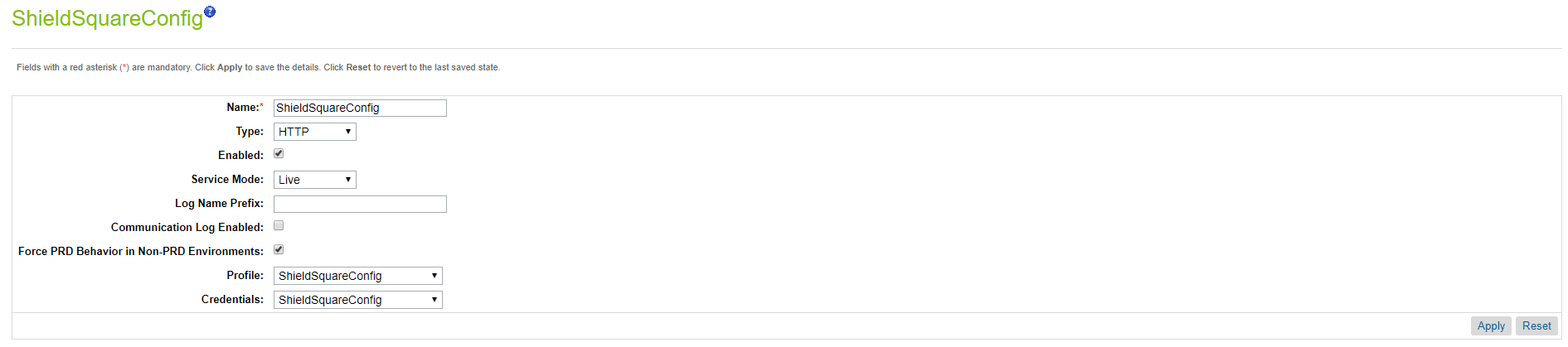




Every Service will have their Credentials configured. User can find Credentials under “Credentials” tab as shown in above screenshot.

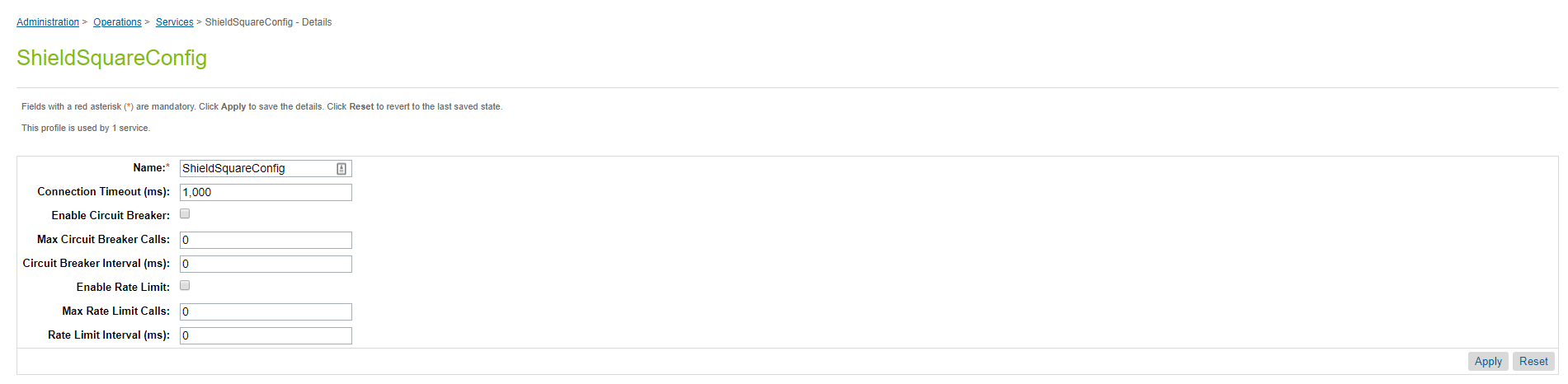
[**ShieldSquareConfig**](https://kaalbitech-tech-prtnr-na05-dw.demandware.net/on/demandware.store/Sites-Site/default/Service-DisplayDetails?ServiceUUID=057c4fcc0b698277f20a96179b&csrf_token=USQl1Df6Fk0hjT2yc4f-b5auBEqvx75u1k1ed4ujJxz0h-zjnifq7n_lEcscxKEVS8IW-JLuqQcerV670XbLyOzPBN6MAPSD6wRHD3gPl22iXBhxKX373im6ERXKKUIfWiWJ4p2WWz-YYvBuYRDZjfHVWjKeDtmp_wie43p4JNJvtkShmyo=)

This is [ShieldSquareConfig](https://kaalbitech-tech-prtnr-na05-dw.demandware.net/on/demandware.store/Sites-Site/default/Service-DisplayDetails?ServiceUUID=057c4fcc0b698277f20a96179b&csrf_token=USQl1Df6Fk0hjT2yc4f-b5auBEqvx75u1k1ed4ujJxz0h-zjnifq7n_lEcscxKEVS8IW-JLuqQcerV670XbLyOzPBN6MAPSD6wRHD3gPl22iXBhxKX373im6ERXKKUIfWiWJ4p2WWz-YYvBuYRDZjfHVWjKeDtmp_wie43p4JNJvtkShmyo=) service configured as per below image. .



[**ShieldSquareConfig**](https://kaalbitech-tech-prtnr-na05-dw.demandware.net/on/demandware.store/Sites-Site/default/Service-DisplayDetails?ServiceUUID=057c4fcc0b698277f20a96179b&csrf_token=USQl1Df6Fk0hjT2yc4f-b5auBEqvx75u1k1ed4ujJxz0h-zjnifq7n_lEcscxKEVS8IW-JLuqQcerV670XbLyOzPBN6MAPSD6wRHD3gPl22iXBhxKX373im6ERXKKUIfWiWJ4p2WWz-YYvBuYRDZjfHVWjKeDtmp_wie43p4JNJvtkShmyo=)

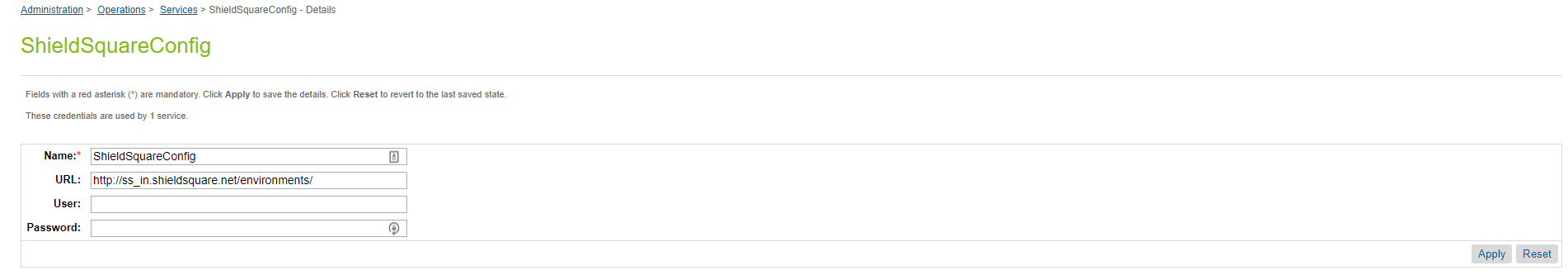
This is [ShieldSquareConfig](https://kaalbitech-tech-prtnr-na05-dw.demandware.net/on/demandware.store/Sites-Site/default/Service-DisplayDetails?ServiceUUID=057c4fcc0b698277f20a96179b&csrf_token=USQl1Df6Fk0hjT2yc4f-b5auBEqvx75u1k1ed4ujJxz0h-zjnifq7n_lEcscxKEVS8IW-JLuqQcerV670XbLyOzPBN6MAPSD6wRHD3gPl22iXBhxKX373im6ERXKKUIfWiWJ4p2WWz-YYvBuYRDZjfHVWjKeDtmp_wie43p4JNJvtkShmyo=) profile used in service



[**ShieldSquareConfig**](https://kaalbitech-tech-prtnr-na05-dw.demandware.net/on/demandware.store/Sites-Site/default/Service-DisplayDetails?ServiceUUID=057c4fcc0b698277f20a96179b&csrf_token=USQl1Df6Fk0hjT2yc4f-b5auBEqvx75u1k1ed4ujJxz0h-zjnifq7n_lEcscxKEVS8IW-JLuqQcerV670XbLyOzPBN6MAPSD6wRHD3gPl22iXBhxKX373im6ERXKKUIfWiWJ4p2WWz-YYvBuYRDZjfHVWjKeDtmp_wie43p4JNJvtkShmyo=)

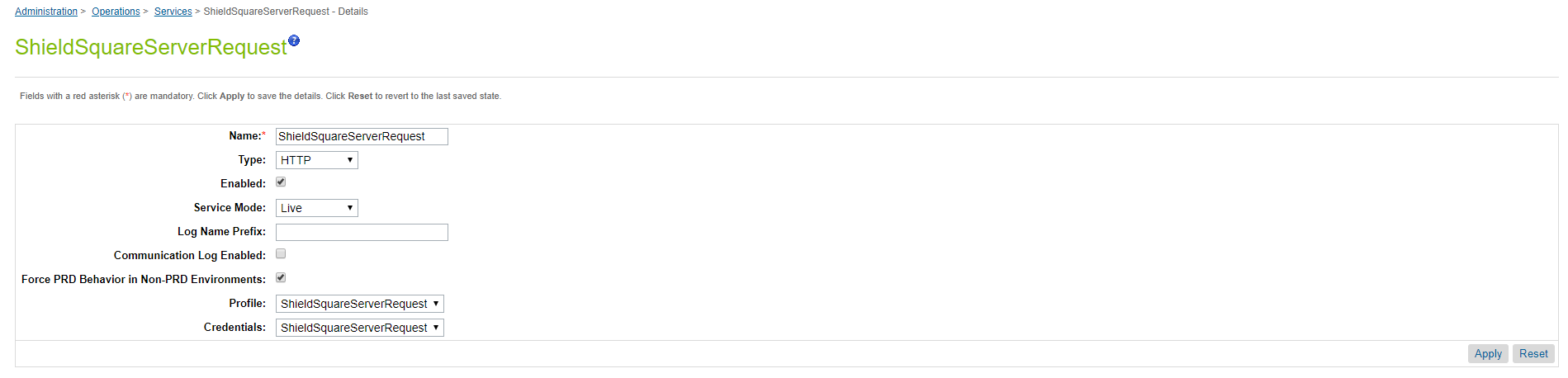
This is [ShieldSquareConfig](https://kaalbitech-tech-prtnr-na05-dw.demandware.net/on/demandware.store/Sites-Site/default/Service-DisplayDetails?ServiceUUID=057c4fcc0b698277f20a96179b&csrf_token=USQl1Df6Fk0hjT2yc4f-b5auBEqvx75u1k1ed4ujJxz0h-zjnifq7n_lEcscxKEVS8IW-JLuqQcerV670XbLyOzPBN6MAPSD6wRHD3gPl22iXBhxKX373im6ERXKKUIfWiWJ4p2WWz-YYvBuYRDZjfHVWjKeDtmp_wie43p4JNJvtkShmyo=) used in [ShieldSquareConfig](https://kaalbitech-tech-prtnr-na05-dw.demandware.net/on/demandware.store/Sites-Site/default/Service-DisplayDetails?ServiceUUID=057c4fcc0b698277f20a96179b&csrf_token=USQl1Df6Fk0hjT2yc4f-b5auBEqvx75u1k1ed4ujJxz0h-zjnifq7n_lEcscxKEVS8IW-JLuqQcerV670XbLyOzPBN6MAPSD6wRHD3gPl22iXBhxKX373im6ERXKKUIfWiWJ4p2WWz-YYvBuYRDZjfHVWjKeDtmp_wie43p4JNJvtkShmyo=) service.

The URL will be provided by Shieldsquare



**ShieldSquareServerRequest**

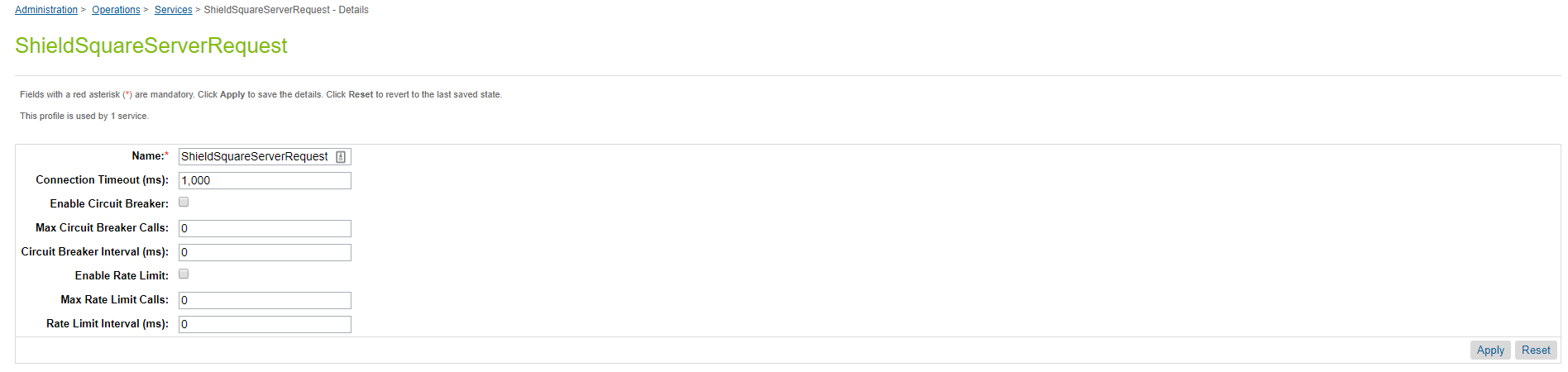
This is ShieldSquareServerRequest configured as per below image.



ShieldSquareServerRequest

This is ShieldSquareServerRequest used in ShieldSquareServerRequest.

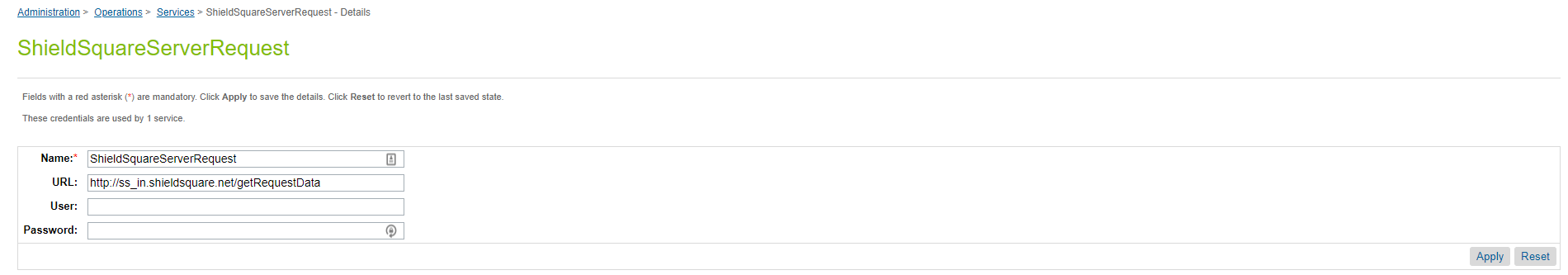
The URL will be provided by Shieldsquare.



ShieldSquareServerRequest credentials

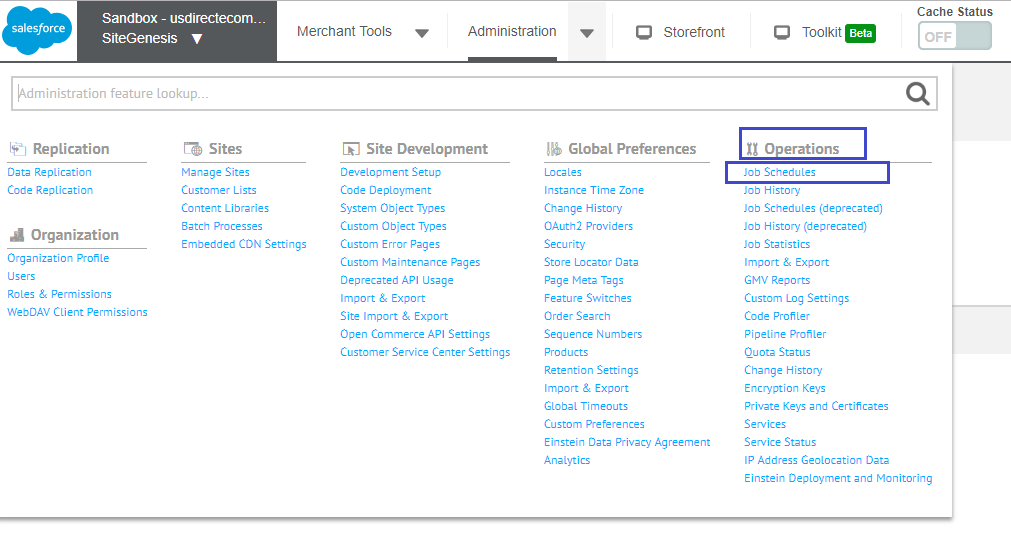
This is ShieldSquareServerRequest used in ShieldSquareServerRequest.

The URL will be provided by Shieldsquare.

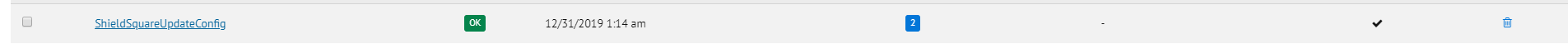


### Job Schedules

(Administration > Operations > Job Schedules)

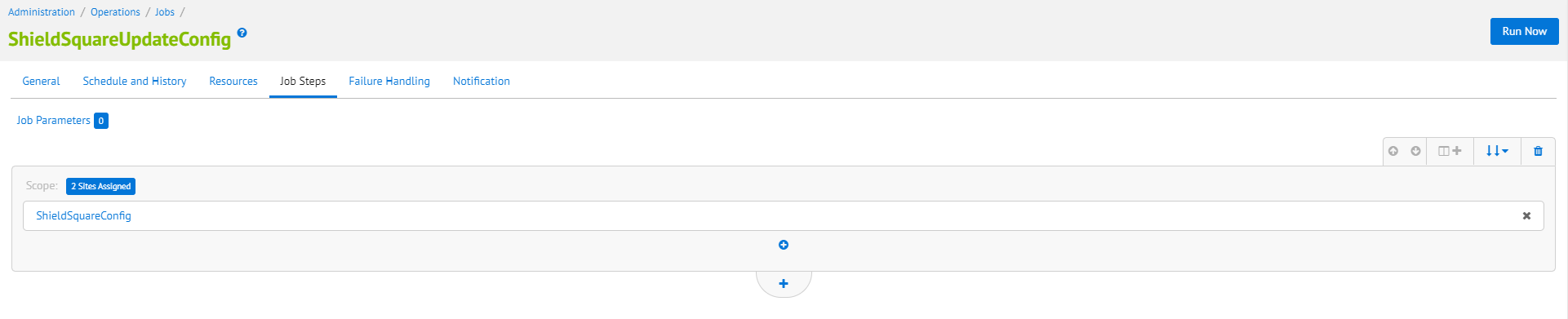


Shieldsquare makes use of 1 job as shown below.



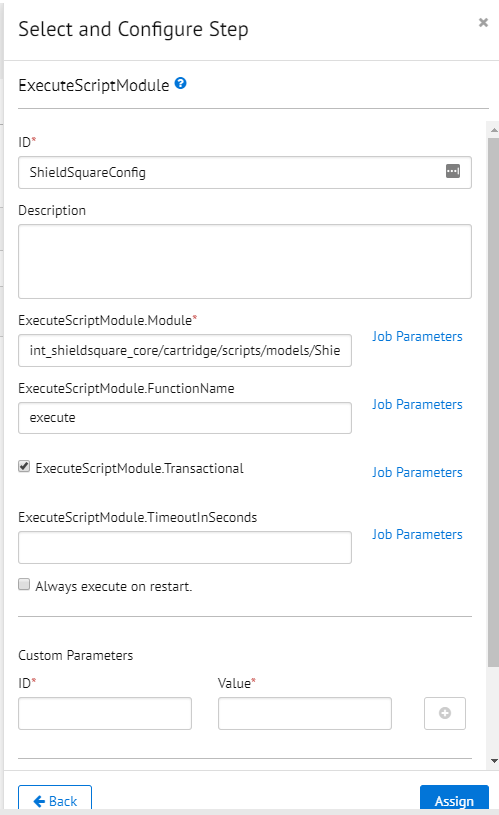
**1.** [**ShieldSquareUpdateConfig**](https://kaalbitech-tech-prtnr-na05-dw.demandware.net/on/demandware.store/Sites-Site/default/ViewApplication-BM?csrf_token=nwlKNTVrXPWfjfKOHZGa_fN7Kje0Ytt56iUuvPMZM0jTwy1NeIfIG5FHkf4hJr6ewk_95tGlECrCA462LQROfRh3INpTfqlBDRUvXqYJAJvyS0tpDamNkmNM5VOK862Xh64-EsLWqWtswBolIfRxcGCez9EXufX7K52LGVyXU2-JMdaMjDU=#/?job#editor!id!ShieldSquareUpdateConfig)

This job is used to update configuration in Shieldsquare .



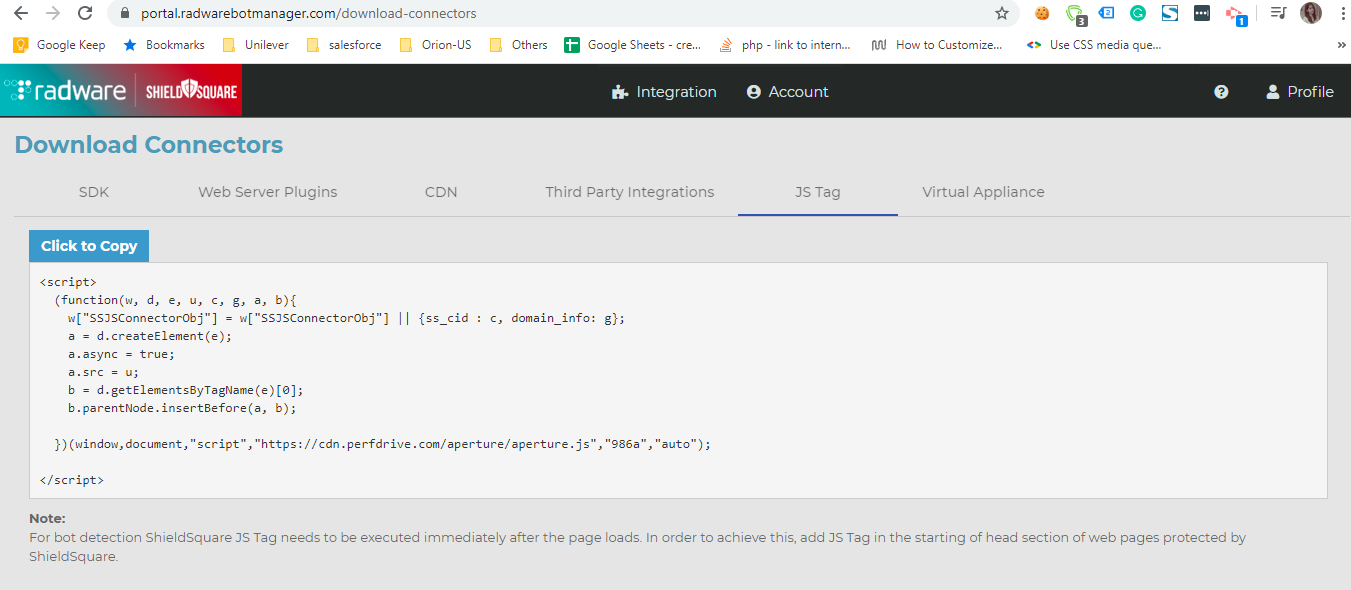
Once the configuration section opens,

* select **ExecuteScriptModule**
* configure **ID** , **ExecuteScriptModule.Module, ExecuteScriptModule.FunctionName**

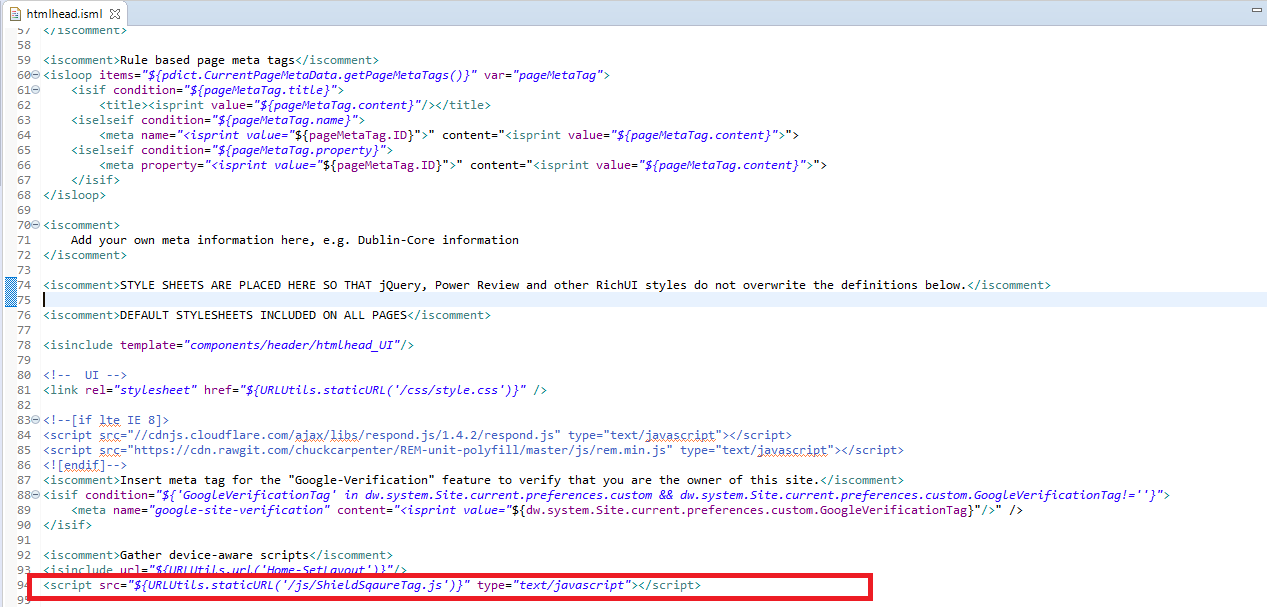


# **Integrate the JS Tag to your code**

* To integrate js open portal <https://portal.radwarebotmanager.com/getting-started> .
* Go to 'Download Connectors' page and switch to 'JS Tag' tab to find your customized JS.



* Create js file in your project.
* Add js file in htmlhead.isml as below



# **Subscriber Id Details**

* To attain your Subscriber Id, after successful registration, click on the Subscriber ID Details link on your Dashboard. On the page you will find two Subscriber IDs namely
* **Sandbox Id:**

If you are integrating for the very first time, you should use the Sandbox Id, as it will enable you to verify the integration. This Id has been specifically provided for testing purposes and is to be used only in test environments.

* **Production Id:**

The Production Id should only be used in the Production Environment, once it is verified that the integration is successful

# **Customized Code**

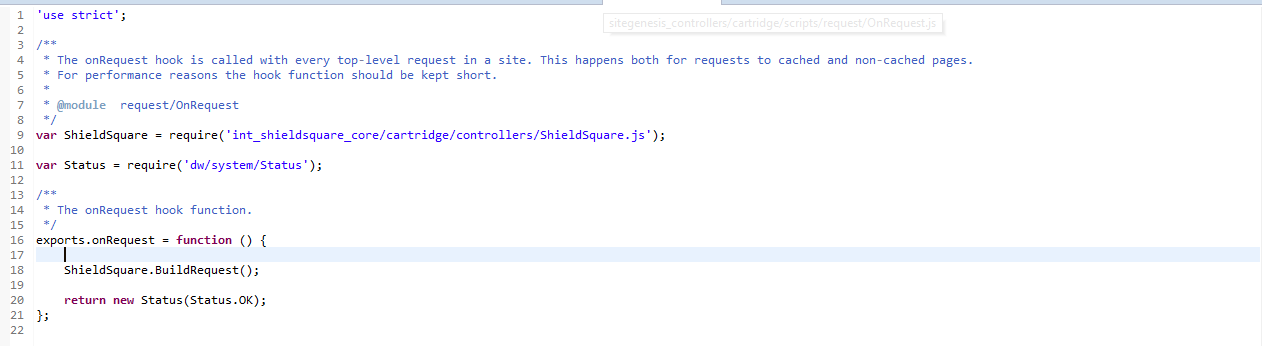
## **For Controllers**:

### OnRequest.js

Path:

SiteGenesis\_controllers/cartridge/controllers/OnRequest.js

Below code is added to OnRequest.js.



var ShieldSquare = require('int\_shieldsquare\_core/cartridge/controllers/ShieldSquare.js')

call this function inside export.onRequest

ShieldSquare.BuildRequest();

## **For SFRA:**

### package.json

Path:

int\_shieldsquare\_sfra/package.json

Below code is added to package.json



{

./hooks.json

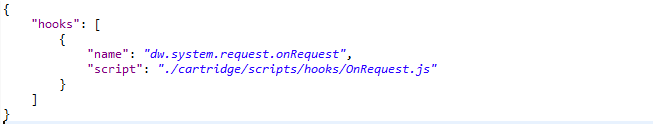
}

### hooks.json

Path:

int\_shieldsquare\_sfra/hooks.json

Below code is added to hooks.json



{

"hooks": [

{

"name": "dw.system.request.onRequest",

"script": "./cartridge/scripts/hooks/OnRequest.js"

}

]

}

### htmlhead.isml

Path:

int\_shieldsquare\_sfra/cartridge/templates/default/common/htmlHead.isml

Below code is added to htmlhead.isml.



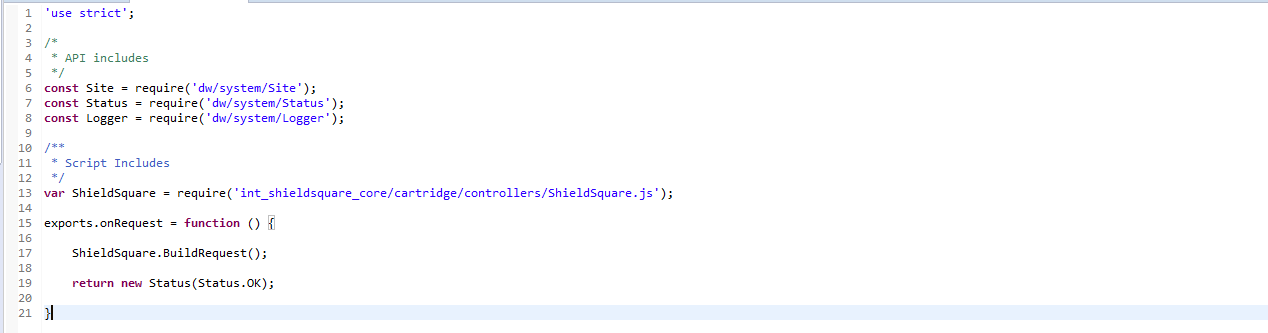
<script src="${URLUtils.staticURL('/js/ShieldSqaureTag.js')}" type="text/javascript"></script>

### OnRequest.js

Path:

int\_shieldsquare\_sfra/cartridge/scripts/hooks/OnRequest.js

Below code is added to OnRequest.js.



var ShieldSquare = require('int\_shieldsquare\_core/cartridge/controllers/ShieldSquare.js');

exports.onRequest = function () {

ShieldSquare.BuildRequest();

return new Status(Status.OK);

}

# **Release History**

|  |  |  |
| --- | --- | --- |
| **Version** | **Date** | **Changes** |
| **19.10.0** | -/-/2020 | Initial Release. |