

Summary

1. Prerequisites
2. Lunu payment
3. Supported coins
4. Install the cartridge
5. Setup the cartridge path
6. Import metadata
7. Setup payment method
8. Web Services
 - 8.1. Import service metadata
 - 8.2. Setup service settings
9. Setup Jobs
10. Setup Site Preferences
11. SFRA code changes
 - 11.1. Template changes
 - 11.2. Controller changes

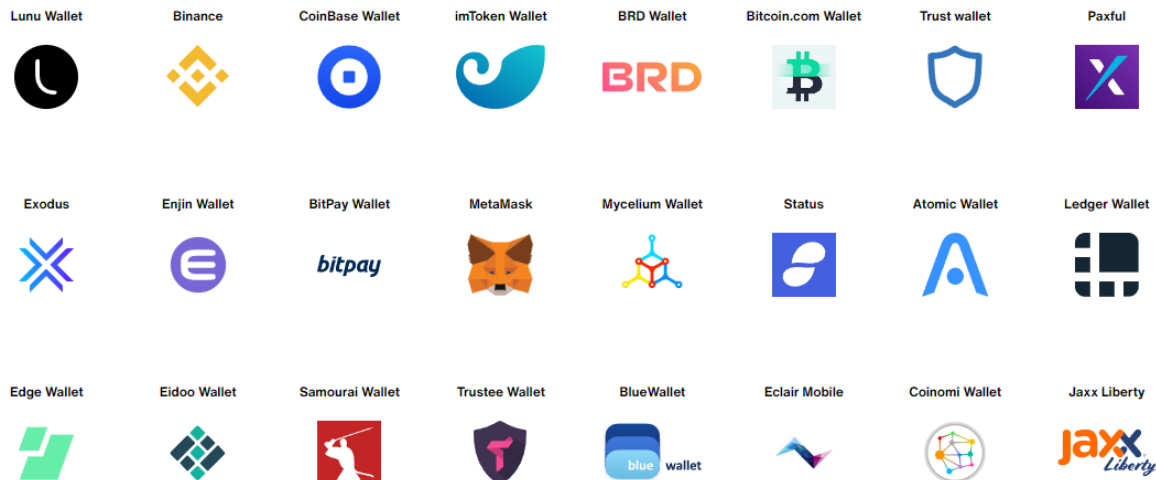
1. Prerequisites

- Salesforce B2C Commerce v.21.X
- An implementation of SFRA v.6
- Wallet for testing
- Environments
 - **testing.lunu.io** - sandbox testing server
 - **alpha.lunu.io** - production server

2. Lunu payment

Lunu represents a crypto payment gateway that functions with any software wallet that recognizes or supports the input of a cryptocurrency address and transaction amount. Lunu uses the EIP-67 format of generating QR-Codes for Ethereum and BIP-21 for Bitcoin.

Recommended wallets:



Supported countries:



Coming soon



3. Supported coins

Bitcoin (BTC)
Networks: BTC, LNX



Ethereum (ETH)
Networks: ETH



USDT
Networks: ETH, BSC, TRX



USDC
Networks: ETH, BSC



BNB
Networks: BSC



Tron (TRX)
Networks: TRX



Ripple (XRP)
Networks: XRP



4. Install the cartridge

Lunupayment provides a LINK cartridge to integrate with Salesforce Commerce Cloud (SFCC). This cartridge enables the Lunu payment service for Salesforce Commerce Cloud SFRA.

1. Open the provided LINK_lunupayment.zip package
2. Extract the LINK_lunupayment folder which contains two folders with the following cartridges:
 - a int_lunupayment
 - b. Int_lunupayment_sfra
 - c. bm_lunupayment
3. Add int_lunupayment, int_lunupayment_sfra and bm_lunupayment cartridges into your SFRA's code
4. Upload all cartridges into your SFRA sandbox

5. Setup cartridge path

1. Select Administration > Sites > Manage Sites
2. Open the site where you like to install the cartridge and select “Settings” tab
3. Add int_lunupayment_sfra:int_lunupayment followed by a colon the Cartridges textbox.
4. Click Apply

Sandbox - zzag

RefArch

Merchant Tools Administration Storefront Toolkit

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:

- int_lunupayment_sfra
- int_lunupayment
- app_storefront_base
- plugin_apple_pay
- plugin_facebook
- plugin_payments
- plugin_pinterest_commerce
- plugin_web_payments
- bc_content
- core

Apply **Reset**

[<< Back to List](#)

© 2022 salesforce.com, inc. All Rights Reserved. RefArch Time Zone: Coordinated Universal Time | Instance Time Zone: Eastern Daylight Time | Version: 22.4 Last Updated: Mar 28, 2022 (Compatibility Mode: 21.7)

Besides setting these cartridges, add bm_lunupayment cartridges to to BM path.

6. Import metadata

1. Select Administration > Site Development > Site Import & Export
2. In the File section, click Upload and select the zipped folder "metadata"
3. When mentioned folder is successfully uploaded, select it and click Import button
4. Make sure the import process was successful

7. Setup payment method

1. Select Merchant Tools > Ordering > Payment Processors
2. Click New to create a new payment processor with name: LUNU_PAYMENT
3. Click Apply

The screenshot displays the Salesforce RefArch user interface. At the top, there's a navigation bar with 'RefArch' and a dropdown menu for 'Merchant Tools'. Below this, a breadcrumb trail shows 'Merchant Tools > Ordering > Payment Processors > Create Payment Processor'. The main heading is 'New Payment Processor'. Below the heading, there's a link to 'Click Back to List to display the list again.' The form has two fields: 'ID:' with the value 'LUNU_PAYMENT' and 'Description:' with an empty text area. At the bottom right of the form are 'Apply' and 'Reset' buttons. At the bottom left is a '<< Back to List' button. The footer contains copyright information and system details.

Sandbox - zzag

RefArch

Merchant Tools

Administration

Storefront

Toolkit

Cache

Search Indexes

Code Versions

Cartridge Path

Search with ease...

Merchant Tools > Ordering > Payment Processors > Create Payment Processor

General

Settings

New Payment Processor

Click Back to List to display the list again.

ID: LUNU_PAYMENT

Description:

Apply

Reset

<< Back to List

© 2022 salesforce.com, inc. All Rights Reserved.

RefArch Time Zone: Coordinated Universal Time | Instance Time Zone: Eastern Daylight Time | Version: 22.4 Last Updated: Mar 28, 2022 (Compatibility Mode: 21.7)

Since we used Site Import and Export for importing necessary data, payment method should be already created.

8. Web Services

Same goes for Web services. Because of the way we imported necessary files, services should be already in place. Example of service credentials:

Sandbox - zzzgg

RefArch

Merchant Tools

Administration

Storefront

Toolkit

CacheSearch IndexesCode VersionsCartridge PathSearch with ease...

Administration > Operations > Services > Service Credentials > http.lunupayment.cred - Details

http.lunupayment.cred

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*

http.lunupayment.cred

URL

https://alpha.lunu.io/api/v1/

User

Password

ApplyReset

<< Back to List

© 2022 salesforce.com, inc. All Rights Reserved.

RefArch Time Zone: Coordinated Universal Time|Instance Time Zone: Eastern Daylight Time|Version: 22.4 Last Updated: Mar 28, 2022 (Compatibility Mode: 21.7)

Example of service profile:

Sandbox - zzzgg

RefArch

Merchant Tools

Administration

Storefront

Toolkit

CacheSearch IndexesCode VersionsCartridge PathSearch with ease...

Administration > Operations > Services > Service Profiles > http.lunupayment.profile - Details

http.lunupayment.profile

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

Name*

http.lunupayment.profile

Connection Timeout (ms)

15,000

Enable Circuit Breaker

☐

Max Circuit Breaker Calls

1,000

Circuit Breaker Interval (ms)

100,000

Enable Rate Limit

☐

Max Rate Limit Calls

0

Rate Limit Interval (ms)

0

ApplyReset

<< Back to List

© 2022 salesforce.com, inc. All Rights Reserved.

RefArch Time Zone: Coordinated Universal Time|Instance Time Zone: Eastern Daylight Time|Version: 22.4 Last Updated: Mar 28, 2022 (Compatibility Mode: 21.7)

And lastly example of the actual service:

The screenshot shows the Salesforce RefArch Administration interface. The top navigation bar includes 'RefArch', 'Merchant Tools', 'Administration', 'Storefront', and 'Toolkit'. The breadcrumb trail is 'Administration > Operations > Services > LunuPayment - Details'. The 'LunuPayment' logo is displayed. A note states: 'Fields with a red asterisk (*) are mandatory. Click Apply to save the details. Click Reset to revert to the last saved state.'

The configuration form contains the following fields:

- Name:** LunuPayment
- Type:** HTTP
- Enabled:** ☒
- Service Mode:** Live
- Log Name Prefix:** (empty text field)
- Communication Log Enabled:** ☐
- Force PRD Behavior in Non-PRD Environments:** ☒
- Profile:** http.lunupayment.profile
- Credentials:** http.lunupayment.cred

Buttons for 'Apply' and 'Reset' are at the bottom right of the form. A '<< Back to List' button is at the bottom left.

Footer text: © 2022 salesforce.com, inc. All Rights Reserved. RefArch Time Zone: Coordinated Universal Time | Instance Time Zone: Eastern Daylight Time | Version: 22.4 Last Updated: Mar 28, 2022 (Compatibility Mode: 21.7)

9. Setup Jobs

A job is created in order to process Lunu payment notifications and clear the processed ones. Please configure the job as described in jobs.xml. Please keep in mind that scheduling can be changed according to business requirements and depending on how quickly Lunu processes the payments. In the picture bellow you can see how the job is configured

The screenshot shows the 'ProcessLunuNotifications' job configuration page. The breadcrumb trail is 'Administration > Operations > Jobs > ProcessLunuNotifications'. A 'Run Now' button is in the top right corner. The 'Job Parameters' tab is selected, showing a list of parameters:

- processNotifications
- clearNotifications

Each parameter has a delete icon (X) to its right. A '+ Add' button is at the bottom center.

10. Setup Site Preferences

When it comes to custom preferences, in order to make Lunu payment work we use only a couple of them. We need:

- App ID
- Secret Key
- Lunu widget URL

Lunu provides the App ID and Secret Key, whereas the Lunu Widget URL should remain unchanged.

The screenshot shows the Salesforce RefArch Merchant Tools interface for configuring the Lunu Payment cartridge. The top navigation bar includes 'Merchant Tools', 'Administration', 'Storefront', and 'Toolkit'. The main content area is titled 'Lunu Payment' and includes a search bar and a table of configuration parameters.

Name	Value	Default Value
App ID (app_id) (String)	8ce43c7a-2143-467c-b8b5-fa748c598ddd	Edit Across Sites
Secret Key (secret_key) (String)	f1819284-031e-42ad-8832-87c0f1145696	Edit Across Sites
Lunu Widget URL (lunuWidgetURL) (String)	https://widget.lunu.io/(environment)/#/?action=select&cancel=[cancelURL]&	https://widget.lunu.io/(environment)/#/?a... Edit Across Sites
Lunu Widget URL	Lunu Widget URL	

© 2022 salesforce.com, inc. All Rights Reserved. RefArch Time Zone: Coordinated Universal Time | Instance Time Zone: Eastern Daylight Time | Version: 22.4 Last Updated: Mar 28, 2022 (Compatibility Mode: 21.7)

11. SFRA code changes

11.1. Template changes

According to the merchant's customizations, the LINK_lunupayment cartridge requires to update your **paymentOptionsContent.isml**

```
<isloop items="{dict.order.billing.payment.applicablePaymentMethods}" var="paymentOption">
  <isif condition="{paymentOption.ID === 'CREDIT_CARD'}">
    <isinclude template="checkout/billing/paymentOptions/creditCardContent" />
  <elseif condition="{paymentOption.ID === 'LUNU'}">
    <isinclude template="checkout/billing/paymentOptions/lunuPaymentContent" />
  </isif>
</isloop>
```

According to the merchant's customizations, the LINK_lunupayment cartridge requires to update your **paymentOptionsSummary.isml**


```

<div class="payment-details">
  <isloop items="{pdict.order.billing.payment.selectedPaymentInstruments}" var="payment">
    <isif condition="{payment.paymentMethod === 'CREDIT_CARD'}">
      <include template="checkout/billing/paymentOptions/creditCardSummary" />
    <elseif condition="{payment.paymentMethod === 'LUNU'}">
      <include template="checkout/billing/paymentOptions/lunuPaymentSummary" />
    </isif>
  </isloop>
</div>

```

According to the merchant's customizations, the LINK_lunupayment cartridge requires to update your **paymentOptionsTab.isml**

```

<isloop items="{pdict.order.billing.payment.applicablePaymentMethods}" var="paymentOption">
  <isif condition="{paymentOption.ID === 'CREDIT_CARD'}">
    <include template="checkout/billing/paymentOptions/creditCardTab" />
  <elseif condition="{paymentOption.ID === 'LUNU'}">
    <include template="checkout/billing/paymentOptions/lunuPaymentTab" />
  </isif>
</isloop>

```

11.2. Controller changes

Controllers changed in SFRA:

- CheckoutServices-PlaceOrder - Extended to check session for current paymentMethod, if that paymentMethod is LUNU, we are getting confirmationToken, after which we are also getting widget URL from custom preference we imported earlier. When everything is in place properly we enrich widget URL with necessary success and fail URLs, those URLs will handle two potential states after redirection back to our site.
- Order-Confirm - Replaced to fetch orderNo and orderToken from the request form or querystring parameters.

It is important to mention that the processNotification job step is updated to fill in all needs required after paying with the Lunu widget, meaning setting appropriate statuses or orders.