



# ANNEX CLOUD

Customer Loyalty • Referral Marketing • User Generated Content

## SAP Commerce

### V3 Document

# Contents

<b>1. DEFAULTS .....</b>	<b>1</b>
<b>2. CONNECTOR BASE CODE INSTALLATION STEPS .....</b>	<b>1</b>
2.1. INSTALLATION.....	2
2.2. STEPS TO MODIFY THE ORDER .....	2
2.3. STEPS TO MODIFY RETURN FLOW(YACCELERATORORDERMANAGEMENT).....	3
2.4. NEW INSTALLATION .....	4
<b>3. CUSTOMER LOYALTY .....</b>	<b>5</b>
3.1. LOYALTY DASHBOARD .....	5
3.2. CUSTOM ACTION .....	6
3.3. LOYALTY ENROLLMENT PROGRAM .....	7
3.4. PRODUCT POINT .....	9
3.5. CART POINT .....	11
3.6. POINT REDEMPTION .....	12
3.6.1. <i>Coupon Redemption</i> .....	12
3.6.2. <i>Generate Rewards &amp; Upload the Coupon Codes in Annex Cloud</i> .....	20
<b>4. CHECKOUT FLOW.....</b>	<b>22</b>
<b>5. ORDER FLOW .....</b>	<b>22</b>

## 1. DEFAULTS

---

**Client Name (Site Name):** Contact to Annex Cloud  
**Site ID:** Contact to Annex Cloud  
**Access Token (Site Token):** Contact to Annex Cloud

## 2. CONNECTOR BASE CODE INSTALLATION STEPS

---

- Get Annex Cloud code base. It will consist of five extensions.
  - annexcloudaddon
  - annexcloudbackoffice
  - annexcloudv3fullfillmentprocess
  - annexcloudv3facades
  - annexcloudv3services
- Copy all the five extensions inside {base\_directory}/hybris/bin/custom.
- Include all five extensions in the **localextensions.xml** file. Also, add the “addonsupport” OOTB extension which is required for Addon installation.
- Install the following addon:
  - annexcloudaddon
- Now, go to {base\_directory}/hybris/bin/platform directory and execute the following addon install commands.

```
ant addoninstall -Daddonnames="annexcloudaddon" -DaddonStorefront.yacceleratorstorefront="<Name of the storefront extension>"
```

- Define dependency by updating the **extensioninfo.xml** of annexcloudv3facades extension.

```
<requires-extension name="annexcloudv3services"/>
<requires-extension name="Here you need to add name of your core extension"/>
<requires-extension name="acceleratorfacades"/>
```

**For example,** If the name of your accelerator core is annexcloudcore, then put the same name above.

- After the addon installation, your storefront will get updated.

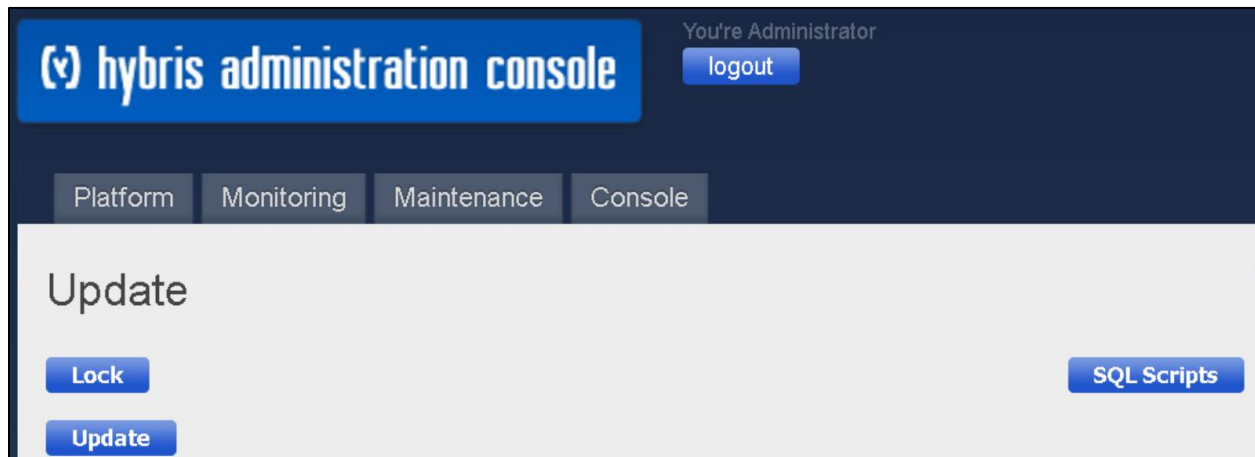


## 2.1. Installation

To update system from HAC. Select only create essential data as shown below.

**Steps:**

1. Go to **HMAC/console**.
2. On **Platform** tab, click **Update**. It will display the following window.



- Execute Electronic catalog sync job so that the components get copied from staged to Online.
- After the system update from HAC, your database will get updated.

## 2.2. Steps to modify the order

If you are using yacceleratorordermanagement then refer below steps:

- Add the following bean definitions to **order-process.xml**

```
<bean id="sendOrderDetailToAnnexCloud" class=
"com.annexcloud.actions.order.SendOrderDetailToAnnexCloudAction"
parent="abstractAction">
  <property name="annexCloudLoyaltyService" ref="acV3LoyaltyService"/>
</bean>
```

Changes need to be done in projectdata-dynamic-business-process-order.impex

```
<action id='takePayment' bean='takePaymentAction'>
  <transition name='OK' to='sendOrderDetailToAnnexCloud' />
  <transition name='NOK'
to='sendPaymentFailedNotification' />
</action>

<action id='sendOrderDetailToAnnexCloud'
bean='sendOrderDetailToAnnexCloud'>
  <transition name='OK' to='completeOrder' />
```

```

        <transition name='NOK' to='error' />
    </action>

    <action id='completeOrder' bean='completeOrderAction'>
        <transition name='OK' to='success' />
    </action>

```

- Add the following dependency into **extensioninfo.xml** of **yacceleratorordermanagement** extension.

```
<requires-extension name="annexcloudv3services"/>
```

- Do ant all and run the **projectdata-dynamic-business-process-order.impex** in HAC

### 2.3. Steps to modify return flow(yacceleratorordermanagement)

If you are using yacceleratorfulfilmentprocess then refer below steps

- Add the following bean definitions to **return-process.xml**

```

<bean id="annexCloudReturnOrderAction"
class="com.annexcloud.returns.order.ACReturnOrderAction"
    parent="abstractAction">
    <property name="annexCloudLoyaltyService"
ref="acV3LoyaltyService"/>
</bean>

```

If you are using yacceleratorordermanagement then refer below steps.

- Add the following actions to **projectdata-dynamic-business-process-return.impex** file.

```

<action id='inventoryUpdateAction' bean='inventoryUpdateAction'>
    <transition name='OK' to='annexCloudReturnOrderAction' />
</action>

<action id='annexCloudReturnOrderAction' bean='annexCloudReturnOrderAction'>
    <transition name='OK' to='completeReturnAction' />
    <transition name='NOK' to='failed' />
</action>
<action id='completeReturnAction' bean='completeReturnAction'>
    <transition name='OK' to='success' />
</action>

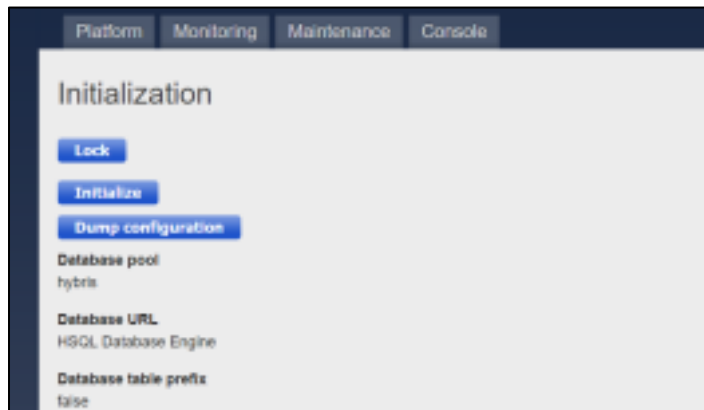
```

- Do ant all and run the **projectdata-dynamic-business-process-order.impex**.
- After that, at the same directory, perform command **ant clean all**.
- Then, start hybris server.

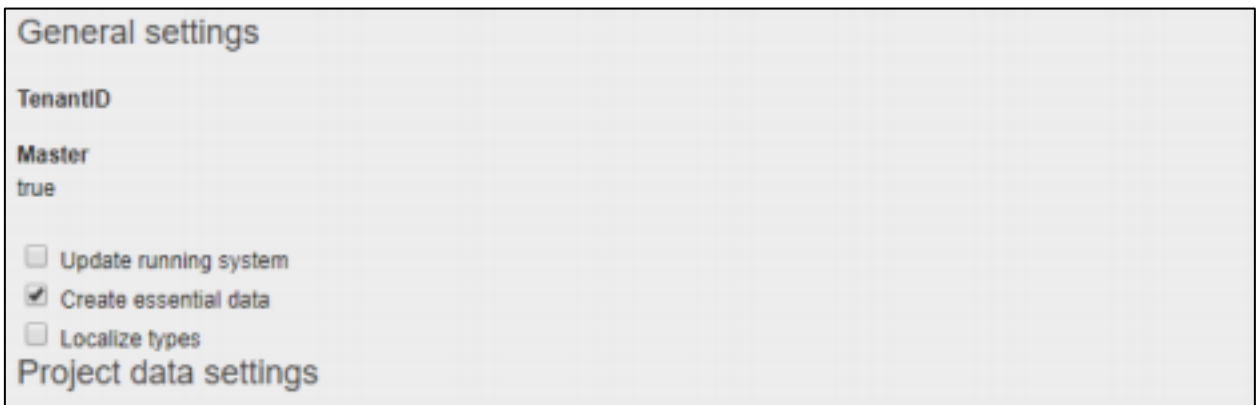
## 2.4. New Installation

1. After the system starts, go to hac (<https://ClientURL/hac>)
2. If you haven't initialized the system, then perform step 3 else jump to step 5. 3.

Go to **HAC → Platform → Initialization** and keep all the options selected and click on the Initialize button to do system initialization as shown below.



3. Execute full solr indexing. To execute, go to **System → Search and Navigate → Facet search configurations → Select solr profile → Click on index → Select full indexing option → Click start.**
- **Note:** In solr profile, annexcloud is having its own value provider for average rating.
4. To update system from HAC. Select only create essential data as shown below.



5. Execute Electronic catalog sync job so that the components get copied from staged to Online.

### 3. CUSTOMER LOYALTY

#### 3.1. Loyalty Dashboard

- Add following in “local.properties” file:<site\_code>.site.api.token=<Site token>  
i.e., annexsapv3.site.api.token=QWEQWE121QWE
- Import the **annexclod-cms-content.impex** file to SAP commerce.

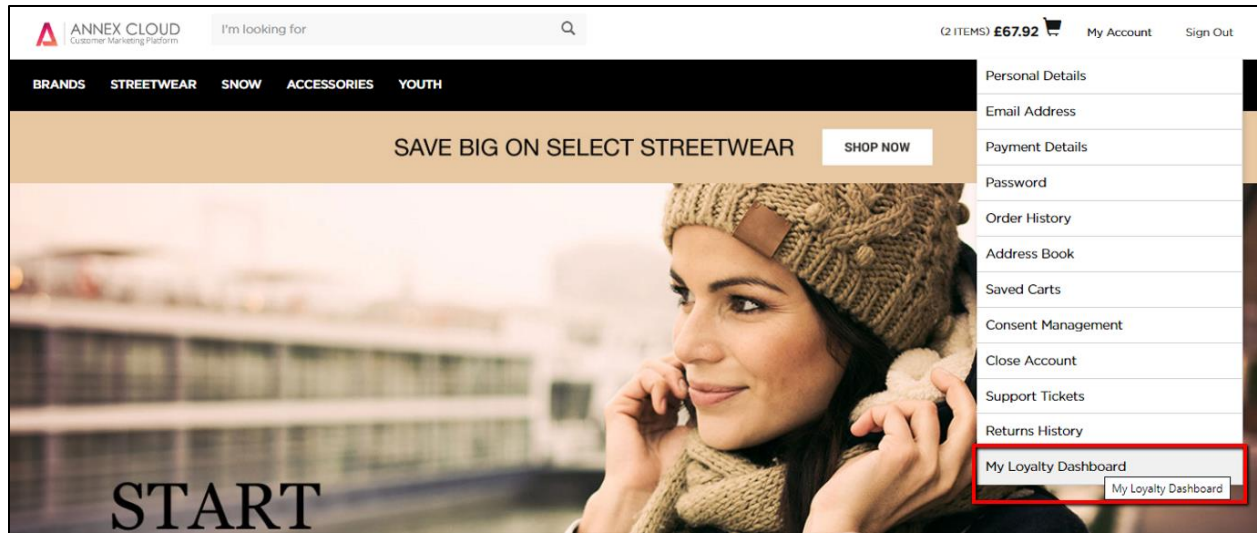
```
$annexSiteId=ENTER_SITE_ID  
$annexSiteCode=ENTER_SITE_CODE(SITE_NAME)  
$annexorderProcessCode=order-process  
$annexCheckoutFlowGroup=annexCloudCheckoutGroup
```

**Note:** In the above code, replace the **site id**, **site code**, **access token** provided by annex cloud.

Attributes are explained below:

Attribute	Description
Code (Site Name)	It should be unique.
Site ID	Shared by Annex team to the client.
Base Store	Site ID associated with the base store.
Loyalty Program Type	Site ID can be implicit or explicit. If the site ID is explicit, the business user needs to select explicit, otherwise, by default, it is selected implicit
Point Redemption Type	coupon

- The loyalty dashboard link will start displaying on my account bar once the user gets registered on the Hybris e-commerce site.
- After the loyalty dashboard setup, the user will get to see the loyalty dashboard link as shown below.



### 3.2. Custom Action

To award/deduct custom points:

Parameter	Parameter Description	Parameter Type
id (Mandatory)	Enter the user's unique id.	string
actionId (Mandatory)	Enter the action id. (It is mandatory if the action id is set at the site admin)	string
activity (Mandatory)	Enter the activity as CREDIT or DEBIT	string
orderId (optional)	If the activity is DEBIT, pass the order id	string
credit/debit	Enter the number of credited/debited points	string
reason	Enter the reason for adding or removing the points (If the actionId is not passed then the reason is mandatory)	string

- Call the following method from the class  
[com.annexcloud.service.impl.DefaultAnnexCloudLoyaltyV3Service.](#)

**Method:**

```
public ACResponse awardDeductCustomPointsAPI(final
    ACCreditDebitPointsJwtRequest requestParameter,
    final AnnexCloudModel annexSiteDetails)
```



### 3.3. Loyalty Enrollment Program

- Import the following **annexcloud-cms-content.impex** to SAP commerce.

**Qualified Path:**

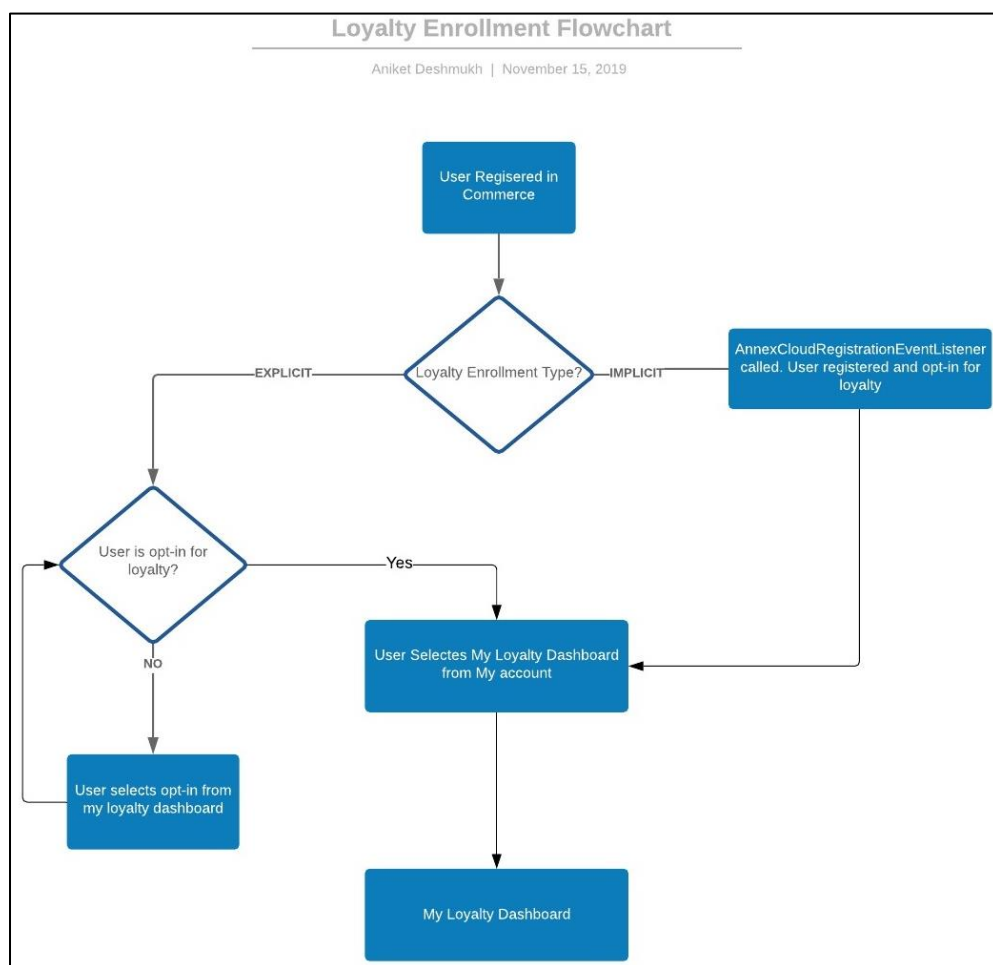
D:\SAPHybris\hybris\bin\custom\annexcloudaddon\resources\annexcloudaddon\import\common\ annexclod-cms-content.impex

**Controller Class:** com.annexcloud.controllers.pages.**ACLoyaltyPageController**

**URL:** /my-account/loyalty-point

**Jsp Page:** annexcloudaddon/responsive/pages/account/annexLoyaltyPointDashboard.jsp

**Impex File:** annexcloud-cms-content.impex



- After the loyalty enrollment program is setup, if the program is implicit then the user will get enrolled in the loyalty program directly after creating an account.
- If the program is explicit, the user will have to join the loyalty program separately after creating an account as shown in the following image.

B2C Accelerator

WELCOME ANAND

MY ACCOUNT

SIGN OUT

I'm looking for

(1 ITEMS)

£101.21

BRANDS

STREETWEAR

SNOW

ACCESSORIES

YOUTH

HOME / MY LOYALTY POINTS

ANNEX CLOUD

Rewards

It's more than a membership. It's a movement.

Toad loyalty members earn rewards points (and good karma points) every time you shop sustainably (which is every time).

☐ I HAVE READ AND ACCEPT THE [TERMS AND CONDITIONS](#).

JOIN NOW

- After joining the loyalty program, the user will get to see the loyalty dashboard as shown in the following image.

ANNEX CLOUD

Customer Loyalty Platform

I'm looking for

0 ITEMS \$67.92

My Account

Sign Out

BRANDS

STREETWEAR

SNOW

ACCESSORIES

YOUTH

HOME / MY LOYALTY POINTS

Rewards Dashboard

WELCOME BACK

ANIKET

STATUS

PLATINUM

POINTS BALANCE

4978

SPEND TIL NEXT TIER

\$1883.58

BENEFITS

EARN

REDEEM

ACTIVITY

BENEFITS

Based on spending per year

BRONZE

\$0 - \$200

SILVER

\$201 - \$450

GOLD

\$451 - \$650

PLATINUM

\$650+

Points earned for dollar spent

1

125

15

175

Birthday Reward

✓

✓

✓

✓

Special Events

✓

✓

✓

Free Express Shipping

✓

✓

Double Points Events

✓

✓

Triple Points Events

✓

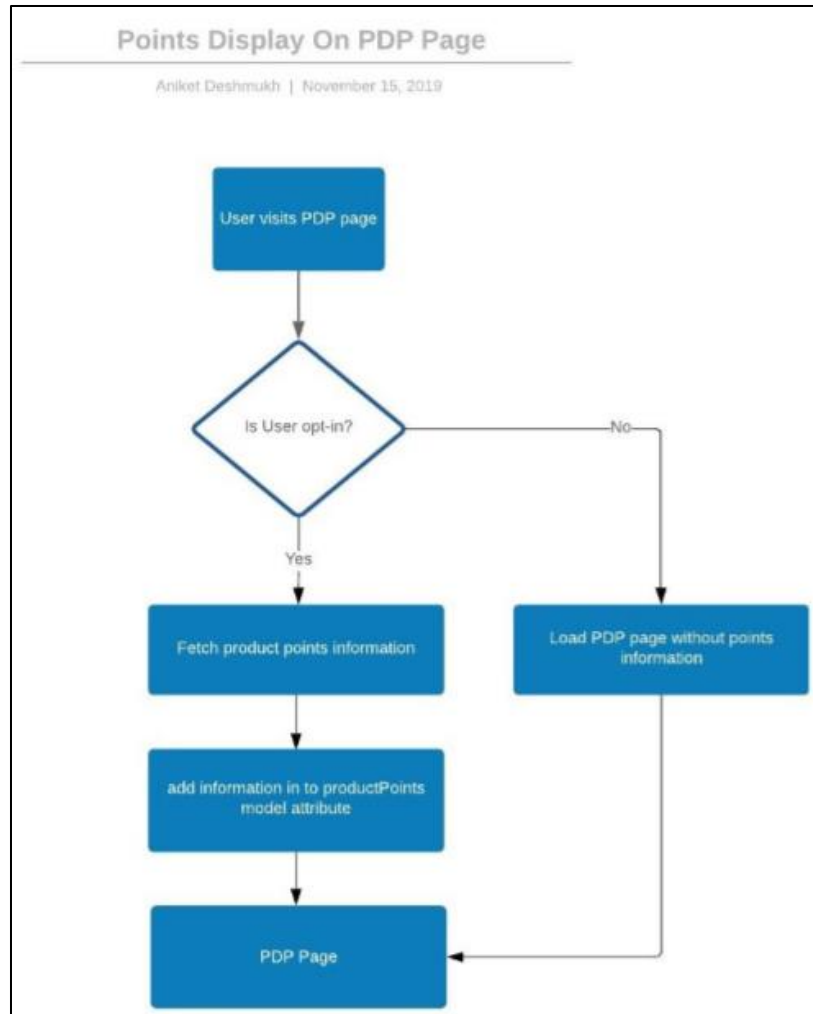
### 3.4. Product Point

**Precondition: Product point should be setup on Annex Cloud:**

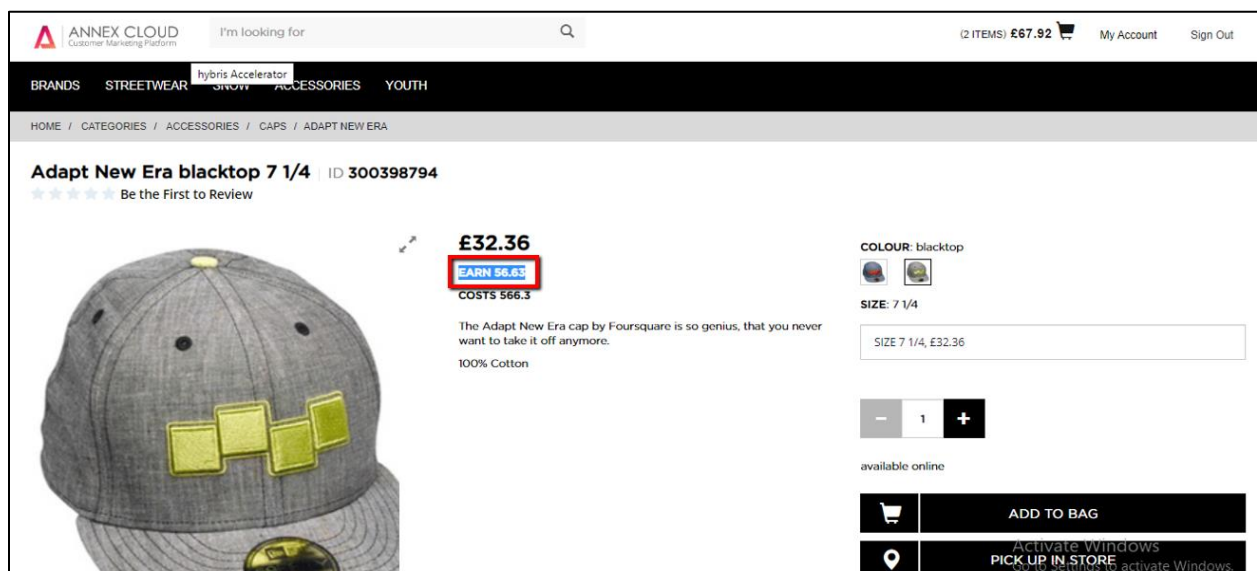
- In the Annex Cloud V3 setup, we have added **annexProductLayout1Page.jsp** page for the product details page template.
- **Qualified Path:** /annexcloudaddon/acceleratoraddon/web/webroot/WEB-INF/views/responsive/pages/product/annexProductLayout1Page.jsp

Page	Out of the box file (earlier)	Annex files (updated)
Product Detail Page	productLayout1Page.jsp	annexProductLayout1Page.jsp
Controller	ProductPageController.java	ACProductPageController.java

- **JSP File:** productPricePanel.tag
- **Qualified Path:** annexcloudaddon\acceleratoraddon\web\webroot\WEB-INF\tags\responsive\product
- **Controller Class:** ACProductPageController
- **Model Attributes:** productPoints



- The user will get to see the earn points (the number of points he/she will earn after purchasing that particular product) on PDP as shown in the following image.



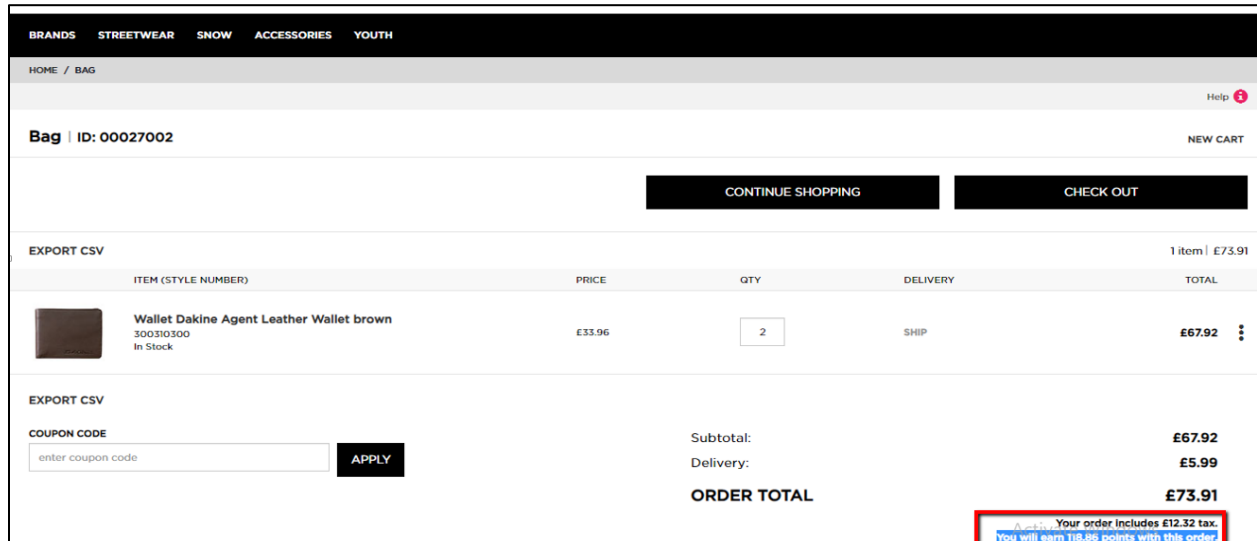
### 3.5. Cart Point

- In Annex Cloud V3 setup, we have added **annexCloudcartTotalsDisplay.jsp** page to display loyalty points on the cart page.

**Qualified Path:** /annexcloudaddon/acceleratoraddon/web/webroot/WEB-INF/views/responsive/pages/cart/annexCloudcartTotalsDisplay.jsp

Page	Out of the box file (earlier)	Annex files (updated)
Cart Page	cartTotalsDisplay.jsp	annexCloudcartTotalsDisplay.jsp

- Similarly, it can be applied on the cart page also as shown in the following image.

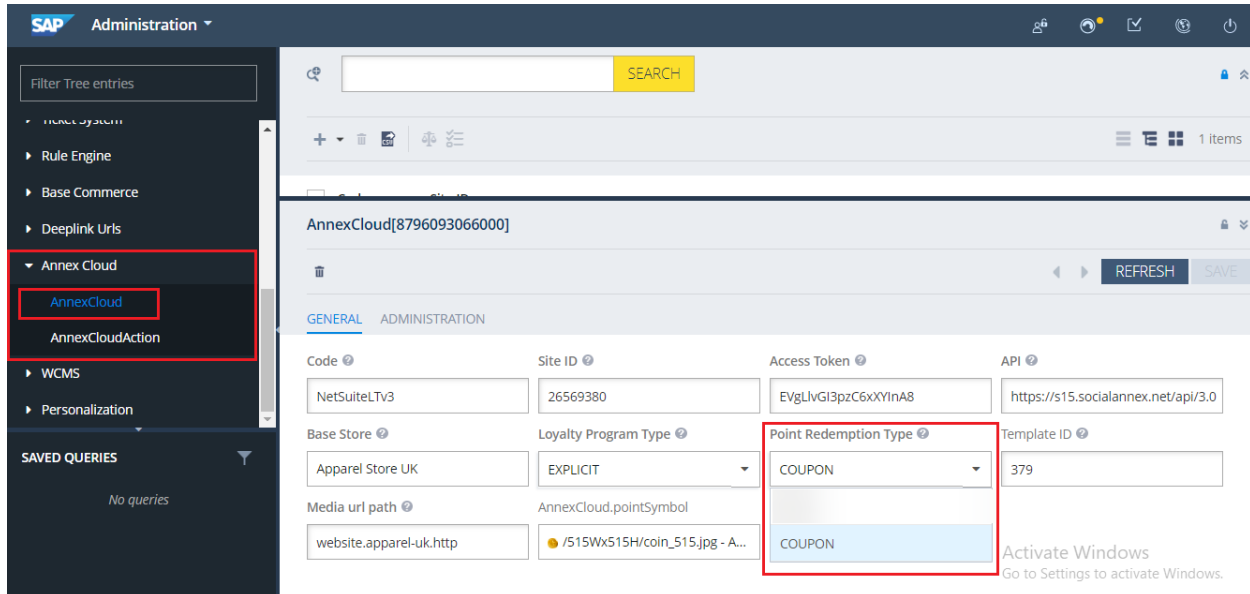


The screenshot shows the cart page layout. At the top, there are navigation links: BRANDS, STREETWEAR, SNOW, ACCESSORIES, YOUTH. Below this is a breadcrumb: HOME / BAG. A 'Help' icon is visible. The cart ID is 00027002. There are 'CONTINUE SHOPPING' and 'CHECK OUT' buttons. The cart contains one item: 'Wallet Dakine Agent Leather Wallet brown' (SKU: 300310300) with a price of £33.96 and a quantity of 2. The subtotal is £67.92, and the delivery cost is £5.99. The order total is £73.91. A banner at the bottom right states: 'Your order includes £12.32 tax. You will earn 118.86 points with this order.'



### 3.6. Point Redemption

- The user can redeem the loyalty points as coupon. Refer the following screenshot for this.



The screenshot shows the SAP Administration console interface. On the left, the navigation menu is visible with 'Annex Cloud' highlighted. The main area displays the configuration for 'AnnexCloud[8796093066000]'. The configuration is divided into two tabs: 'GENERAL' and 'ADMINISTRATION'. The 'GENERAL' tab is active, showing various fields for configuration. The 'Point Redemption Type' dropdown is set to 'COUPON'.

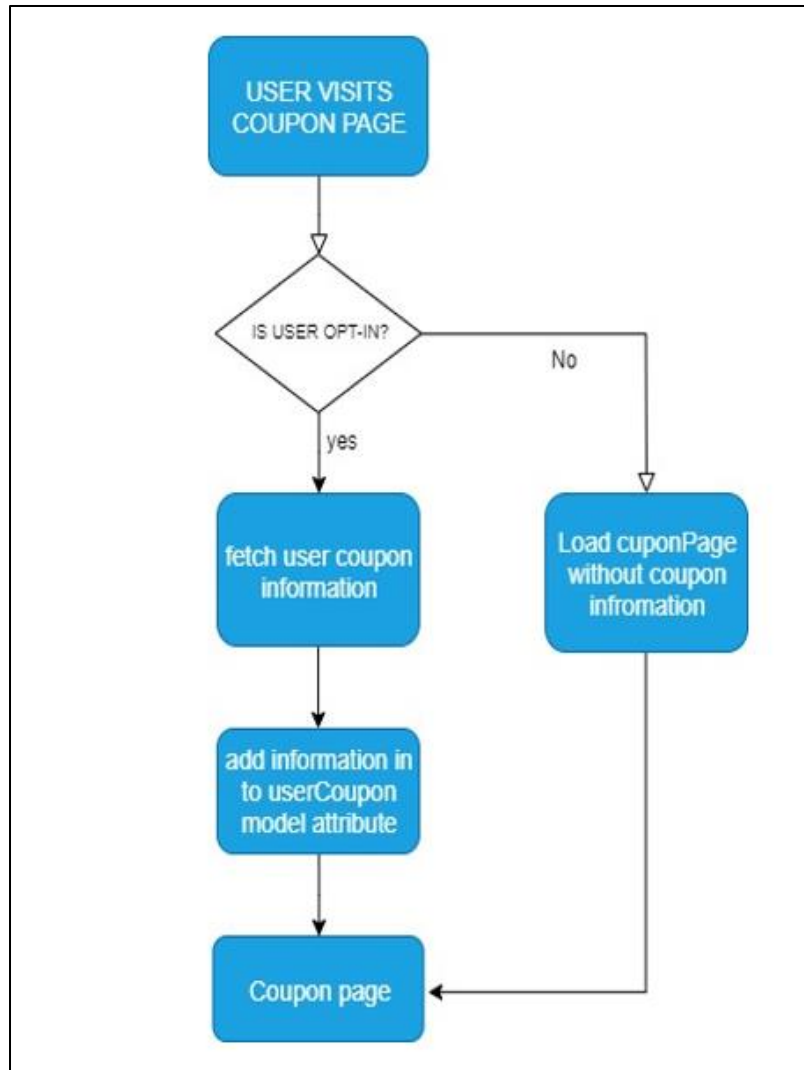
Code	Site ID	Access Token	API
NetSuiteLTv3	26569380	EVgLIvGI3pzC6xXYInA8	https://s15.socialannex.net/api/3.0

Base Store	Loyalty Program Type	Point Redemption Type	Template ID
Apparel Store UK	EXPLICIT	COUPON	379

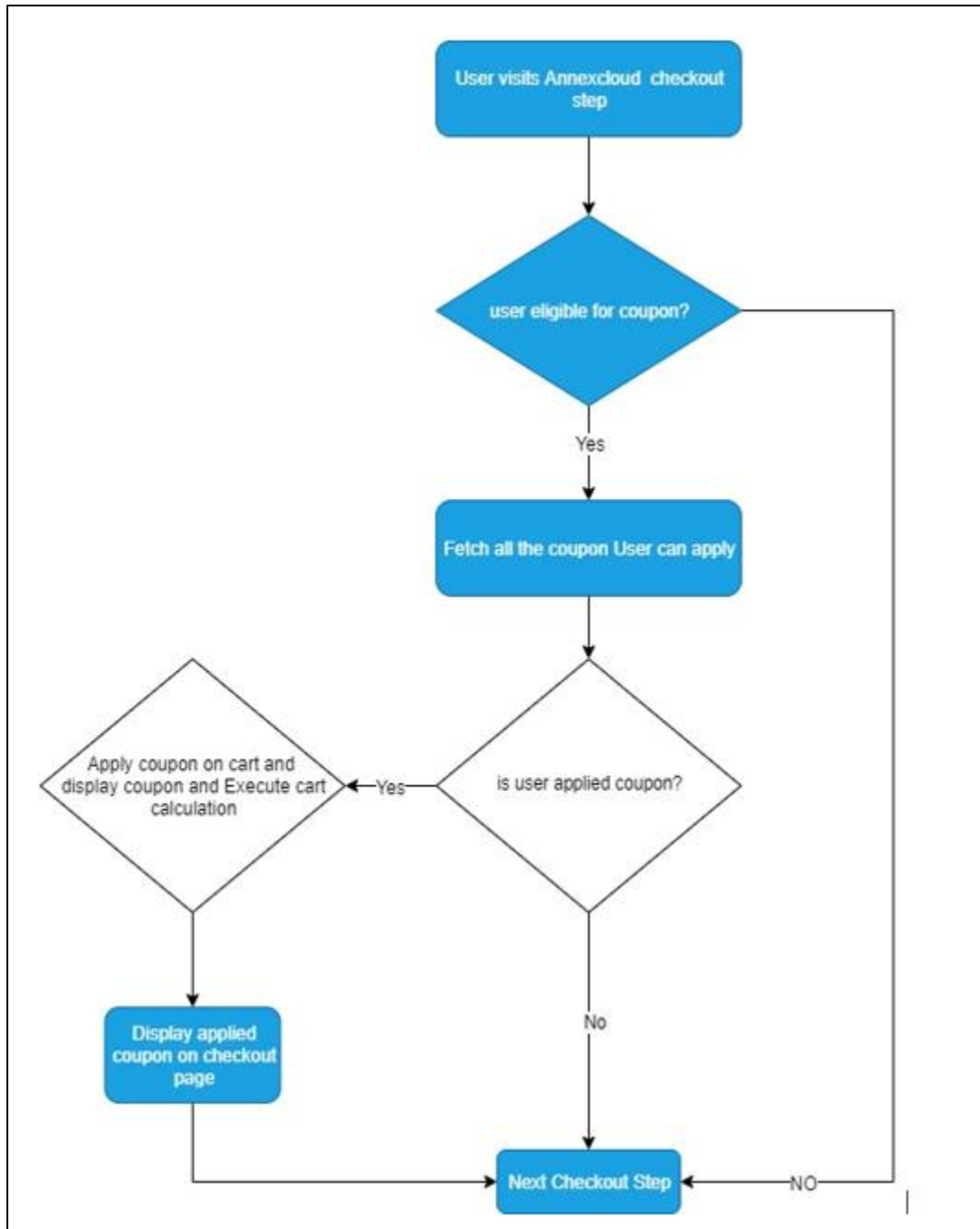
Media url path: website.apparel-uk.http  
AnnexCloud.pointSymbol: /515Wx515H/coin\_515.jpg - A...

#### 3.6.1. Coupon Redemption

- To redeem the available points, we have added one checkout step.
- JSP File:** ac acPointRedemptionPage.jsp
- Qualified Path:** /annexcloudaddon/acceleratoraddon/web/webroot/WEB-INF/views/responsive/pages/checkout/multi/acPointRedemptionPage.jsp
- Controller Class:** ACPointRedemptionCheckoutStepController
- Checkout Group:** annexCloudCheckoutGroup
- Checkout group file at line 155:** annexcloudaddon-web-spring.xml



- Redeem points using coupon on checkout page.



- After the coupon redemption setup, the user can redeem the coupon using the loyalty points on the checkout page using a drop-down menu as shown in the following image.

B2C Accelerator

I'm looking for

Q

(1 ITEMS) £50.96

My Account

Sign Out

BRANDS

STREETWEAR

SNOW

ACCESSORIES

YOUTH

HOME / CHECKOUT / LOYALTY POINTS

Secure Checkout

1. SHIPMENT/PICK UP LOCATION

2. SHIPPING METHOD

3. ANNEX LOYALTY POINTS

Annex Customer Loyalty Details

Available Credits: 425 Points

select coupon ▼

NEXT

Order Summary

Mrs. rahul jena

SHIP TO: new, india, pune, 411011, Jersey

01234567890

Snowboard Ski Tool Toko Ergo Multi Guide yellow

Item Price: £50.96

QTY: 1

£50.96

Subtotal:

£50.96

Delivery:

£5.99

ORDER TOTAL

£56.95

Your order includes £9.49 tax.

Activate Windows

Go to Settings to activate Windows.

B2C Accelerator

I'm looking for

Q

(1 ITEMS) £50.96

My Account

Sign Out

BRANDS

STREETWEAR

SNOW

ACCESSORIES

YOUTH

HOME / CHECKOUT / LOYALTY POINTS

Secure Checkout

1. SHIPMENT/PICK UP LOCATION

2. SHIPPING METHOD

3. ANNEX LOYALTY POINTS

Annex Customer Loyalty Details

Available Credits: 425 Points

5 ▼

NEXT

Order Summary

Mrs. rahul jena

SHIP TO: new, india, pune, 411011, Jersey

01234567890

Snowboard Ski Tool Toko Ergo Multi Guide yellow

Item Price: £50.96

QTY: 1

£50.96

Subtotal:

£50.96

Delivery:

£5.99

ORDER TOTAL

£56.95

Your order includes £9.49 tax.

Activate Windows

Go to Settings to activate Windows.

- After applying the coupon, applied coupon will be visible on the checkout as well as cart page. To remove the coupon, click on the cross button.

Not secure | apparel.uk.socialannex.com:9002/yacceleratorstorefront/en/checkout/multi/point-redemption/add

**B2C Accelerator** I'm looking for

(1 ITEMS) £50.96 My Account Sign Out

BRANDS STREETWEAR SNOW ACCESSORIES YOUTH

HOME / CHECKOUT / LOYALTY POINTS

### Secure Checkout


- SHIPMENT/PICK UP LOCATION
- SHIPPING METHOD
- ANNEX LOYALTY POINTS
- PAYMENT & BILLING ADDRESS
- FINAL REVIEW

**Annex Customer Loyalty Details**  
Available Credits: 425 Points

ACCOUPONS-9NSX-NLL4-9PD3-D4FL

**Order Summary**

Mrs. rahul jena  
SHIP TO: now, india, pune, 411011, Jersey  
01234567890

 Snowboard Ski Tool Toko Ergo Multi Guide yellow  
Item Price: £50.96  
QTY: 1

**Applied Coupons:**  
ACCOUPONS-9NSX-NLL4-9PD3-D4FL

Subtotal: £50.96  
Delivery: £5.99

**ORDER TOTAL** £56.95  
Your order includes £9.49 tax.

Activate Windows  
Go to Settings to activate Windows.

NEXT

Not secure | apparel.uk.socialannex.com:9002/yacceleratorstorefront/en/cart

**B2C Accelerator** I'm looking for

(1 ITEMS) £50.96 My Account Sign Out


BRANDS STREETWEAR SNOW ACCESSORIES YOUTH

HOME / BAG

Bag | ID: 00000001

NEW CART

CONTINUE SHOPPING CHECK OUT

ITEM (STYLE NUMBER)	PRICE	QTY	DELIVERY	TOTAL
 Snowboard Ski Tool Toko Ergo Multi Guide yellow 299555 In Stock	£50.96	1	SHIP	£50.96

EXPORT CSV

COUPON CODE  
enter coupon code **APPLY**

ACCOUPONS-9NSX-NLL4-9PD3-D4FL

Subtotal: £50.96  
Delivery: £5.99

**ORDER TOTAL** £56.95  
Your order includes £9.49 tax.  
You will earn 51 Points

Activate Windows  
Go to Settings to activate Windows.

- Get the impex and then visit the following url:  
<https://localhost:9002/>
- It will display the hybris administration console.
  - Go to console
  - Import the impex



- The impex is given below.

```
# -----
# [y] hybris Platform
#
# Copyright (c) 2018 SAP SE or an SAP affiliate company. All
rights reserved.
# This software is the confidential and proprietary information of
SAP
# ("Confidential Information"). You shall not disclose such
Confidential
# Information and shall use it only in accordance with the terms
of the
# license agreement you entered into with SAP.
# -----
# -----
# ImpEx for Promotions for Electronics Store
## impex.setLocale( Locale.GERMAN );

$defaultPromoGrp=apparelUKPromoGrp
$promotionsModule="promotions-module"
$previewModule="promotions-preview-module"
$ruleImportProcessor=processor=de.hybris.platform.ruleengineservic
es.impex.impl.ConditionalImportProcessor,condition=de.hybris.platf
orm.ruleengineservices.impex.impl.RuleImportCondition
##### PROMOTION RULES
#####
INSERT_UPDATE
PromotionSourceRule[$ruleImportProcessor];code[unique=true];priori
ty;maxAllowedRuns;ruleGroup(code);conditions;actions;website(Ident
ifier)[default=$defaultPromoGrp];excludeFromStorefrontDisplay[defa
ult=false];status(code)[unique=true,default=UNPUBLISHED]
;annex_cloud_multi_code_coupon_fixed_discount;30;1;couponPromotion
RuleGroup;"[{ "definitionId": "y_qualifying_coupons", "parameter
s": { "coupons": { "uuid": "c4988a76-c0fc-4de3-a801-
6f3f735e93ae", "type": "List(ItemType(AbstractCoupon))", "value
": [ "ACCOUPON5" ] }, "children": [ ] } }]; [{ "definitionId": "y_or
der_fixed_discount", "parameters": { "value": { "uuid": "4c21e41
f-6933-471a-8cba-
3f87cf83c97d", "type": "Map(ItemType(Currency), java.math.BigDeci
mal)", "value": { "GBP": 5 } } } } ]";

##### COUPON SAMPLE DATA
#####
INSERT_UPDATE
CodeGenerationConfiguration;name[unique=true];codeSeparator;
;default-configuration;-;
```

```

INSERT_UPDATE
MultiCodeCoupon;couponId(id) [unique=true];codeGenerationConfigurat
ion(name)
;ACCOUPON5;default-configuration

# Language
$lang=en
$ruleImportProcessor=processor=de.hybris.platform.ruleengineservic
es.impex.impl.ConditionalImportProcessor,condition=de.hybris.platf
orm.ruleengineservices.impex.impl.RuleImportCondition

##### PROMOTION RULES
#####
INSERT_UPDATE
PromotionSourceRule[$ruleImportProcessor];code[unique=true];name[lang=$lang];description[lang=$lang];messageFired[lang=$lang];status
(code) [unique=true,default=UNPUBLISHED]
;annex_cloud_multi_code_coupon_fixed_discount;Get £5 discount on
the cart using a coupon;A fixed discount is added to the cart when
a valid multi code coupon code is entered;You have received Annex
Cloud {4c21e41f-6933-471a-8cba-3f87cf83c97d} discount on cart
using the coupon code {c4988a76-c0fc-4de3-a801-6f3f735e93ae}

INSERT_UPDATE
MultiCodeCoupon;couponId(id) [unique=true];name[lang=$lang]
;ACCOUPON5;Get £5 discount on the cart using the coupon

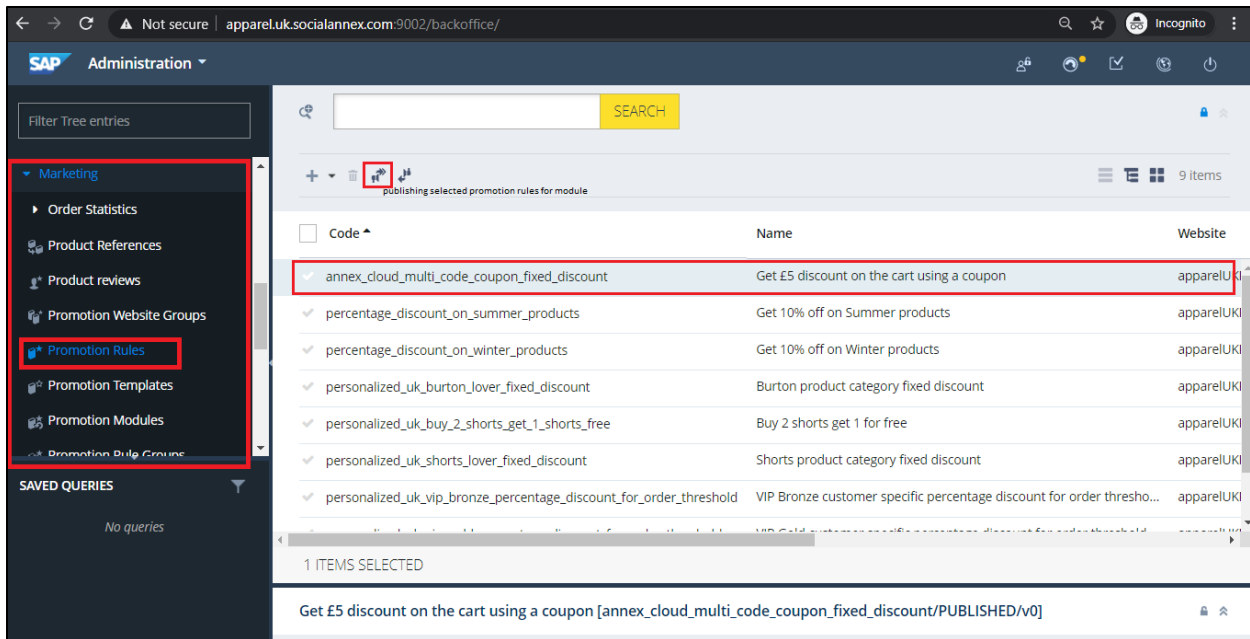
```

```

1  # [y] hybris Platform
2  # Copyright (c) 2018 SAP SE or an SAP affiliate company. All rights reserved.
3  # This software is the confidential and proprietary information of SAP
4  # ("Confidential Information"). You shall not disclose such Confidential
5  # Information and shall use it only in accordance with the terms of the
6  # license agreement you entered into with SAP.
7  # -----
8  # ImpEx for Promotions for Electronics Store
9  ## impex.setLocale( Locale.GERMAN );
10 $defaultPromoGrp=apparelUKPromoGrp
11 $promotionsModule="promotions-module"
12 $previewModule="promotions-preview-module"
13 $ruleImportProcessor=processor=de.hybris.platform.ruleengineservices.impex.impl.ConditionalImportProcessor,condition=de.hybris.platform.ruleengineservices.impex.impl.RuleImportCondition
14 ##### PROMOTION RULES #####
15 INSERT_UPDATE
16 PromotionSourceRule[$ruleImportProcessor];code[unique=true];priority;maxAllowedRuns;ruleGroup(code);conditions;actions;website(Identifier) [default=$defaultPromoGrp];excludeFromStorefrontDisplay[default=false];status(code) [unique=true,default=UNPUBLISHED]
17 ;annex_cloud_multi_code_coupon_fixed_discount;30;1;couponPromotionRuleGroup;["{"definitionId":"y_qualifying_coupons","parameters":{"coupons":{"uid":"c4988a76-c0fc-4de3-a801-6f3f735e93ae"},"type":"List(ItemType(AbstractCoupon))","value":{"ACCOUPON5"}}},"children":{"":{"definitionId":"y_order_fixed_discount","parameters":{"value":{"uid":"4c21e41f-6933-471a-8cba-3f87cf83c97d"},"type":"Map(ItemType(Currency),java.math.BigDecimal)","value":{"GBP":5}}}}}"];
18 ##### COUPON SAMPLE DATA #####
19 INSERT_UPDATE CodeGenerationConfiguration;name[unique=true];codeSeparator;
20 ;default-configuration;
21 ;ACCOUPON5;default-configuration
22 # Language
23 $lang=en
24 $ruleImportProcessor=processor=de.hybris.platform.ruleengineservices.impex.impl.ConditionalImportProcessor,condition=de.hybris.platform.ruleengineservices.impex.impl.RuleImportCondition
25 ##### PROMOTION RULES #####
26 INSERT_UPDATE
27 PromotionSourceRule[$ruleImportProcessor];code[unique=true];name[lang=$lang];description[lang=$lang];messageFired[lang=$lang];status(code) [unique=true,default=UNPUBLISHED]
28 ;annex_cloud_multi_code_coupon_fixed_discount;Get £5 discount on the cart using a coupon;A fixed discount is added to the cart when a valid multi code coupon code is entered;You have received Annex Cloud {4c21e41f-6933-471a-8cba-3f87cf83c97d} discount on cart using the coupon code {c4988a76-c0fc-4de3-a801-6f3f735e93ae}
29 ;ACCOUPON5;Get £5 discount on the cart using the coupon
30

```

- After importing the impex, go to the back office and follow the below steps.
  - Select the impex and click on publish selected promotion rule for module as shown in the following image.



Filter Tree entries

Marketing

- Order Statistics
- Product References
- Product reviews
- Promotion Website Groups
- Promotion Rules**
- Promotion Templates
- Promotion Modules
- Promotion Rule Groups

SAVED QUERIES

No queries

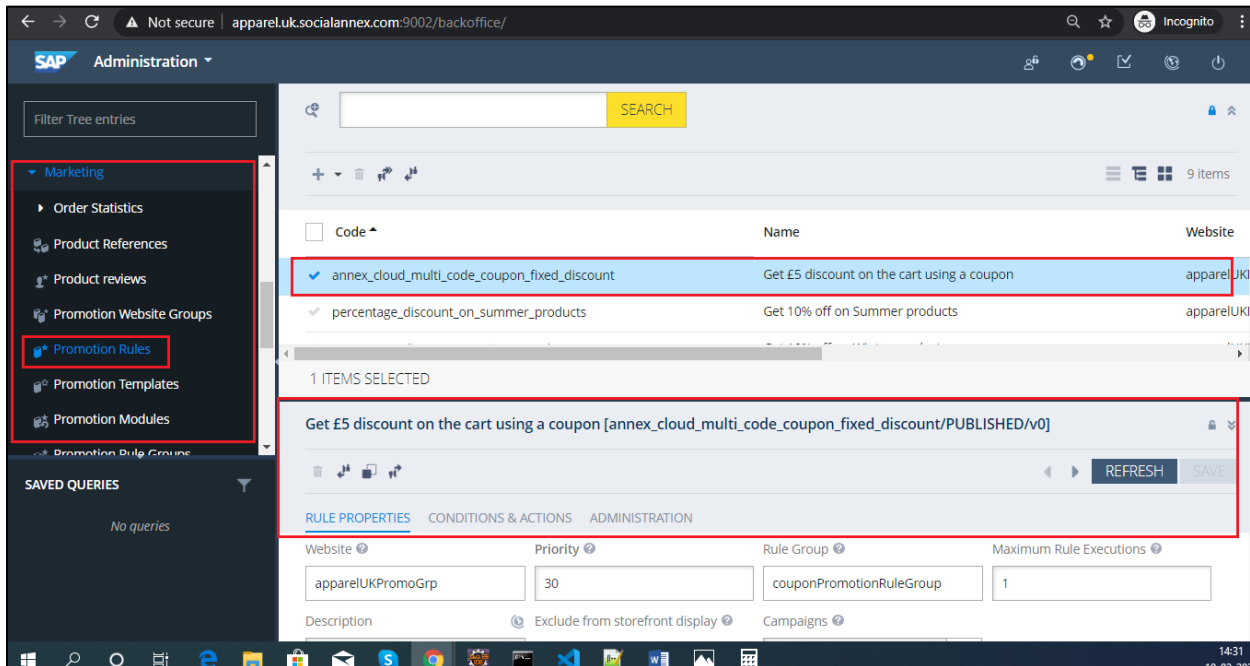
SEARCH

publishing selected promotion rules for module

Code	Name	Website
<input checked="" type="checkbox"/> annex_cloud_multi_code_coupon_fixed_discount	Get £5 discount on the cart using a coupon	apparelUK
<input checked="" type="checkbox"/> percentage_discount_on_summer_products	Get 10% off on Summer products	apparelUK
<input checked="" type="checkbox"/> percentage_discount_on_winter_products	Get 10% off on Winter products	apparelUK
<input checked="" type="checkbox"/> personalized_uk_burton_lover_fixed_discount	Burton product category fixed discount	apparelUK
<input checked="" type="checkbox"/> personalized_uk_buy_2_shorts_get_1_shorts_free	Buy 2 shorts get 1 for free	apparelUK
<input checked="" type="checkbox"/> personalized_uk_shorts_lover_fixed_discount	Shorts product category fixed discount	apparelUK
<input checked="" type="checkbox"/> personalized_uk_vip_bronze_percentage_discount_for_order_threshold	VIP Bronze customer specific percentage discount for order threshold	apparelUK

1 ITEMS SELECTED

Get £5 discount on the cart using a coupon [annex\_cloud\_multi\_code\_coupon\_fixed\_discount/PUBLISHED/v0]



Filter Tree entries

Marketing

- Order Statistics
- Product References
- Product reviews
- Promotion Website Groups
- Promotion Rules**
- Promotion Templates
- Promotion Modules
- Promotion Rule Groups

SAVED QUERIES

No queries

SEARCH

publishing selected promotion rules for module

Code	Name	Website
<input checked="" type="checkbox"/> annex_cloud_multi_code_coupon_fixed_discount	Get £5 discount on the cart using a coupon	apparelUK
<input checked="" type="checkbox"/> percentage_discount_on_summer_products	Get 10% off on Summer products	apparelUK

1 ITEMS SELECTED

Get £5 discount on the cart using a coupon [annex\_cloud\_multi\_code\_coupon\_fixed\_discount/PUBLISHED/v0]

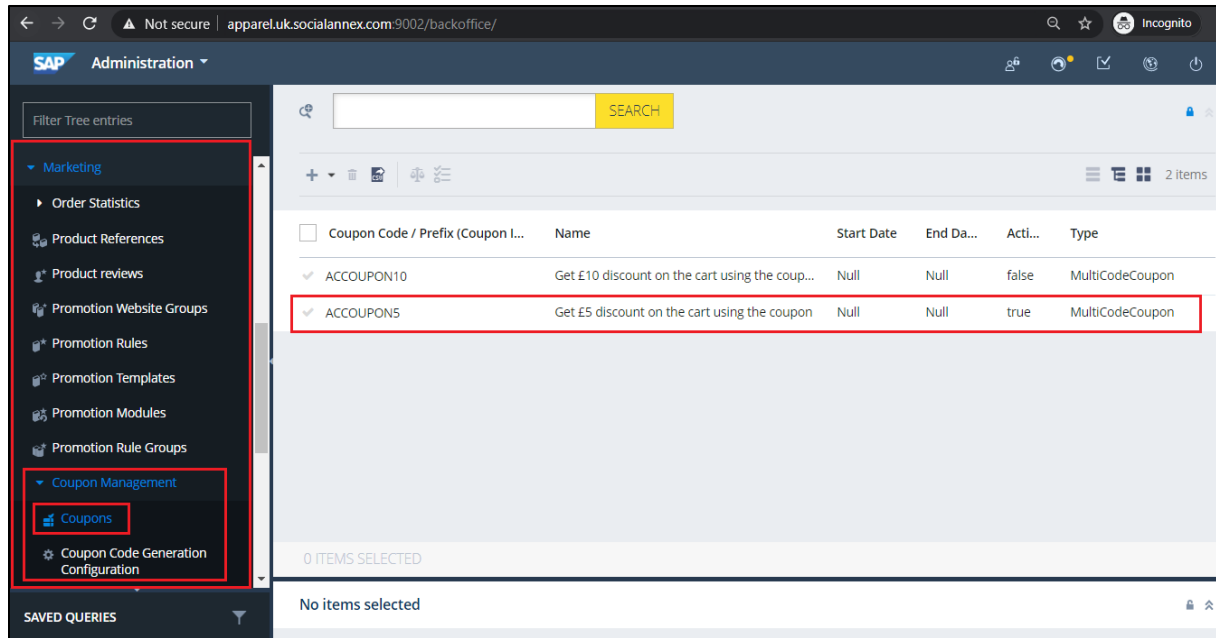
REFRESH SAVE

RULE PROPERTIES CONDITIONS & ACTIONS ADMINISTRATION

Website: apparelUKPromoGrp Priority: 30 Rule Group: couponPromotionRuleGroup Maximum Rule Executions: 1

Description: Exclude from storefront display Campaigns

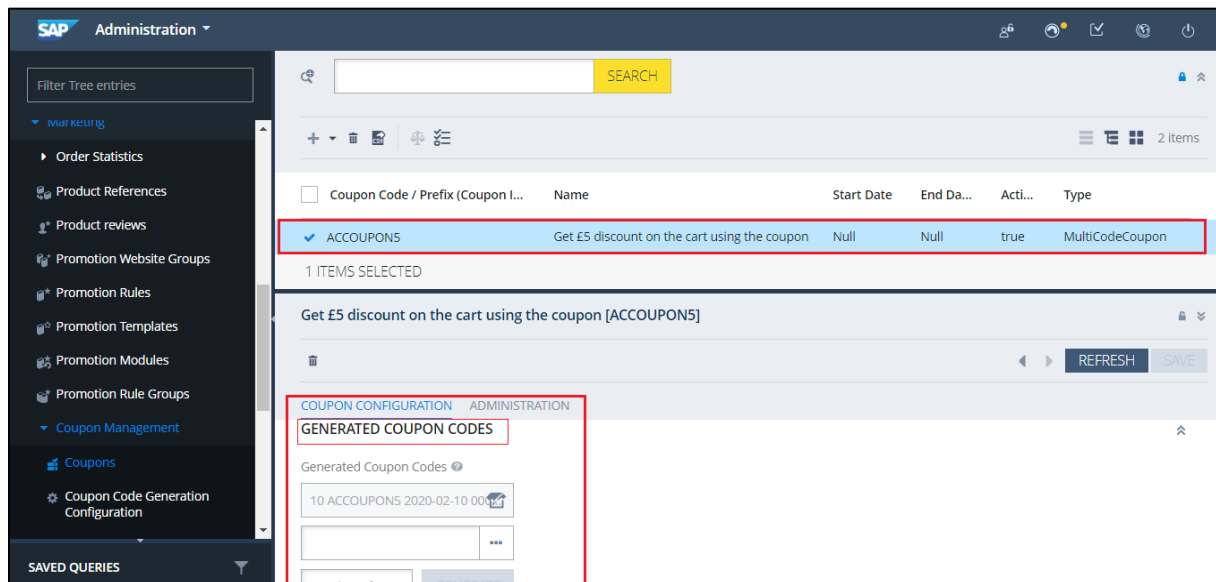
- After this, in marketing, go to coupon management and follow the below steps:
  - Select the coupon and then go to General Coupon Codes
  - Enter total number of coupons required.
  - Click on Generate button.
  - A CSV file will generate consisting the coupons.



The screenshot shows the SAP Administration interface. On the left, the 'Filter Tree entries' sidebar is expanded to 'Marketing' > 'Coupon Management' > 'Coupons'. The main area displays a table of coupons:

Coupon Code / Prefix (Coupon I...	Name	Start Date	End Da...	Acti...	Type
ACCOUPON10	Get £10 discount on the cart using the coup...	Null	Null	false	MultiCodeCoupon
ACCOUPON5	Get £5 discount on the cart using the coupon	Null	Null	true	MultiCodeCoupon

Below the table, it indicates '0 ITEMS SELECTED' and 'No items selected'.



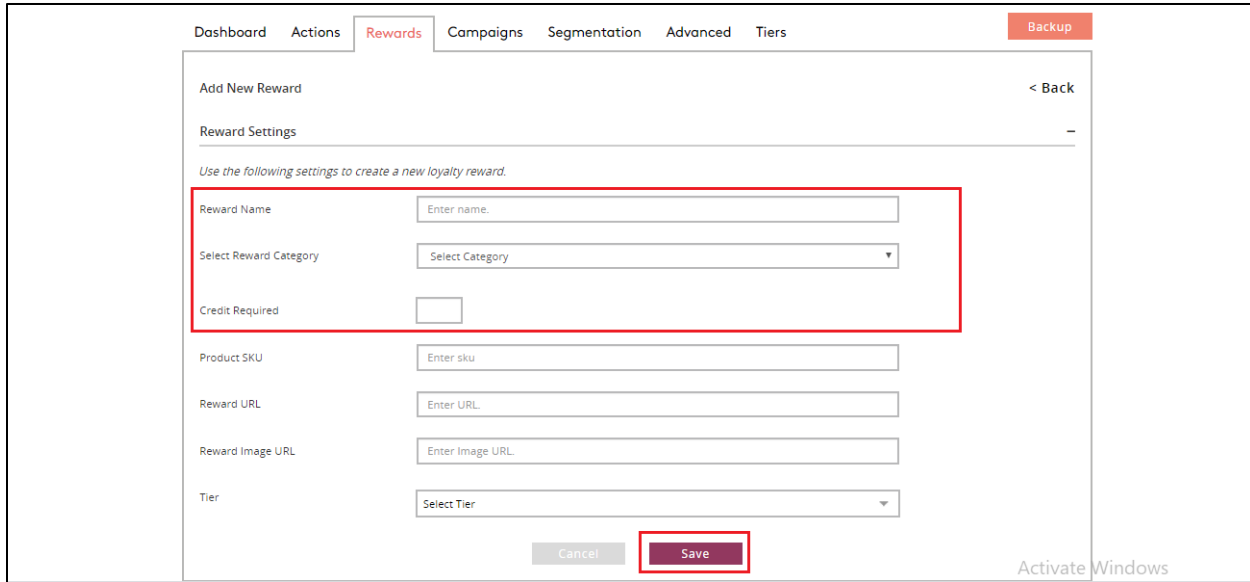
The screenshot shows the SAP Administration interface with the 'Coupons' menu selected. The main area displays the 'GENERATED COUPON CODES' section for the selected coupon 'ACCOUPON5'. The section title is 'Get £5 discount on the cart using the coupon [ACCOUPON5]'. Below the title, there is a 'Generated Coupon Codes' section with a list of generated codes:

Generated Coupon Codes
10 ACCOUPON5 2020-02-10 00:00

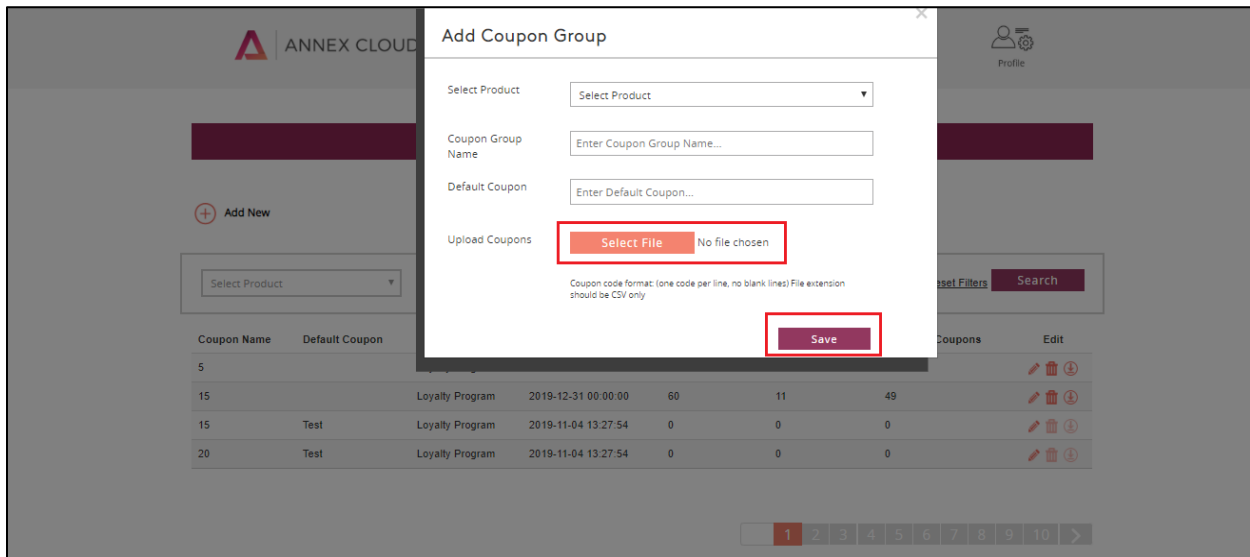
The 'GENERATED COUPON CODES' section is highlighted with a red box.

### 3.6.2. Generate Rewards & Upload the Coupon Codes in Annex Cloud

- To create rewards, go to [annexcloud.com](https://annexcloud.com) and login.
- Navigate to **Products** ➔ **Customer Loyalty** ➔ **Rewards** ➔ **Add New**. It will open the following window.



- Enter the required details and click on the Save button. It will create the reward.
- Now, to upload the csv file (coupons), navigate to **Options → Coupon Groups → Add New**. It will open the following window.



- Enter the required details and upload the csv file (generated in the above section) and click on the Save button.
- It will upload the csv file.



## 4. CHECKOUT FLOW

---

- Annex Cloud Checkout Group:
  - We have created **annexCloudCheckoutGroup** into **annexcloud-multi-step checkoutconfig.xml** file.
  - Add the **Transition Bean** for any checkout step to link with previous, next and current step.
  - Need to add the **Redirects bean** for the checkout step.
  - Then, add the key\_value pair in this Property
    - **<property name ="checkoutStepMap">.**
  - Add the key\_value pair in this Property
    - **<property name ="validationResultsMap">.**
  - Add the key\_value pair in this Property
    - **<property name ="checkoutProgressBar">.**
  - All these properties come under a Checkout Group i.e. annexCloudCheckoutGroup.

## 5. ORDER FLOW

---

- **Annex Cloud Send Order Steps:**
  - Created an action class "SendOrderDetailToAnnexCloudAction.java" in annexcloudv3fulfilmentprocess extension
  - Qualified Path:
    - /annexcloudv3fulfilmentprocess/src/com/annexcloud/actions/order/SendOrderCompletedNotificationAction.java
  - Need to add the bean for Class in the order-process-spring.xml file:
  - Qualified Path:
    - /annexcloudv3fulfilmentprocess/resources/annexcloudv3fulfilmentprocess/process/orderprocessspring.xml
  - Then create action bean for the same in annexcloud-order-process.xml

- Qualified Path:
  - /annexcloudv3fulfilmentprocess/resources/annexcloudv3fulfilmentprocess/process/annexcloudorder-process.xml.
- In action bean for Transition.OK, go to checkAuthorizedOrderPayment.
- Transition. NOK goes to error.
  
- **Annex Cloud Return Order Steps:**
  - Created an action class “AnnexCloudReturnOrderAction.java” in
    - annexcloudv3fulfilmentprocess extension.
  - Qualified Path:
    - /annexcloudv3fulfilmentprocess/src/com/annexcloud/actions/returns/AnnexCloudReturnOrderAction.java
  - Need to add the bean for Class in order-process-spring.xml File.
  - Qualified Path:
    - /annexcloudv3fulfilmentprocess/resources/annexcloudv3fulfilmentprocess/process/orderprocessspring.xml
  - Then create action bean for the same in annexcloud-order-process.xml
  - Qualified Path:
    - /annexcloudv3fulfilmentprocess/resources/annexcloudv3fulfilmentprocess/process/annexcloudorder-process.xml.
  - In action bean for Transition.OK, go to transactionReviewStatus.
  - Transition.NOK goes to error.