

# API Workflow: Offer Management

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# Overview

As you step through the offer management workflow, bear in mind the following:

- Integration is API driven and makes calls to SessionM for eligibility and redemption.
- The flow focuses on loyalty-related offers. This MVP version features the use cases for designed for Phase 1.

Note that all offers are created in SessionM. POS calls SessionM for eligibility and to redeem awards.

The sections below detail the sequence of steps featured in the Offer Management API workflow.

## Step 1: Create Offer

The first step of this workflow is to create an offer, which can be done two ways:

- Through the SessionM UI.
- Via the Create Offer API, which is described below.

The Create Offer API uses the following endpoint:

<b>URI</b>	<a href="https://offers-client.stg-sessionm.com/api/2.0/offers/management/create">api/2.0/offers/management/create</a>
<b>Request Method</b>	POST

## Sample Request

```
curl -H "Content-Type: application/json" -H "Authorization: Basic <Your API Key>"
https://offers-client.stg-sessionm.com/api/2.0/offers/management/create --data '{"retailer_id":
"2D5B5A08-BECD-4837-A69A-2AB967C17773A","offer_type": "manual_fulfillment","publish":
"true","text_config": [{"title": "Test Image URL","description": "Session M Test Offer -
KY","terms_and_conditions": "Subject to availability, XXX reserves the right to to void any
offer.","culture": "en"}],"media_config": [],"common_config": {"acquisition_start_date": "2018-03-01
00:00:00.0","acquisition_end_date": "2019-03-31 23:59:00.0","does_not_expire":
false,"valid_after_end_date": false,"reward_store": false,"validity_unit": "years", "validity_period":
100,"custom_data": "{\"CustomAttribute\":\"CustomValue\"}","discount_config": {}, "offer_config": {"type":
"manual_fulfillment"},"use_restrictions": [], "purchase_restrictions": [], "catalog_restrictions":
[], "location_restrictions": []}'
```

## Sample Response

```
{
  "status": "ok",
  "payload": {
    "offer_id": "c7bf9bac-d7ec-4d4a-8651-b4e3b444c76a",
    "root_offer_id": "c7bf9bac-d7ec-4d4a-8651-b4e3b444c76a",
    "validation_errors": {},
    "revisioned": false,
    "new_status": 1,
    "state_transition": "created_new-(unknown_status>published)"
  }
}
```

## Step 2: Get Offer Details

Once an offer is created in SessionM, you can proceed to Step 2 and fetch its details.

The Get Offer Details API uses the following endpoint:

<b>URI</b>	<a href="#">api/2.0/offers/fetch_offer</a>
<b>Request Method</b>	POST

## Sample Request

```
curl -H "Content-Type: application/json" -X POST -H "Authorization: Basic <Your API Key>"
http://offers-client.stg-sessionm.com/api/2.0/offers/fetch\_offer --data
'{"retailer_id":"2D5B5A08-BECD-4837-A69A-2AB967C7773A","offer_id":"c7bf9bac-d7ec-4d4a-8651-b4e
3b444c76a","culture":"en-us"}
```

## Sample Response

```
{
  "status": "ok",
  "payload": {
    "offer": {
      "offer_type_id": "manual_fulfillment",
      "id": "c7bf9bac-d7ec-4d4a-8651-b4e3b444c76a",
      "root_offer_id": "c7bf9bac-d7ec-4d4a-8651-b4e3b444c76a",
      "retailer_id": "2d5b5a08-beccd-4837-a69a-2ab967c7773a",
      "title": "Test Image URL",
      "status": 1,
      "acquisition_start_date": "2018-03-01T00:00:00Z",
      "acquisition_end_date": "2019-03-31T23:59:00Z",
    }
  }
}
```

```

        "validity_period": 100,
        "validity_unit": "years",
        "reward_store": false,
        "custom_data": "{\"CustomAttribute\":\"CustomValue\"}",
        "requires_extended_data": false,
        "all_items_eligible": false,
        "parent_offer_ids": [],
        "check_level": false,
        "offer_text": [
            {
                "id": "b9a74ec6-bea8-466b-9e1f-b028ef5a21a9",
                "offer_id": "c7bf9bac-d7ec-4d4a-8651-b4e3b444c76a",
                "culture": "en",
                "title": "Test Image URL",
                "description": "Session M Test Offer - KY",
                "terms": "Subject to availability, reserves the right to to void any offer."
            }
        ],
        "offer_media": [],
        "start_date": "2018-03-01T00:00:00Z",
        "end_date": "2019-03-31T23:59:00Z",
        "valid_after_end_date": false
    }
}
}

```

### Step 3: Issue a User Offer

Step 3 occurs outside of this workflow. SessionM loyalty rules handle the offer issuance to the user based on specific configurable use cases. For example: Issue a \$5 offer when user X achieves 200 earned points.

### Step 4: Get User Offers (User Lookup API)

Now in Step 4 you can retrieve all the eligible user offers that represent the user's wallet via the User Offers API.

The Get User Offers API uses the following endpoint:

<b>URI</b>	<a href="http://uat.cloudpos.svc.loyaltr.ee/api/2.0/offers/get_user_offers">api/2.0/offers/get_user_offers</a>
<b>Request Method</b>	POST

### Sample Request

```

curl -X POST \
  http://uat.cloudpos.svc.loyaltr.ee/api/2.0/Lookup \

```

```
-H 'Authorization: Basic
ZDRkOTUwYWYtMWEzNy00YTEwLWJhOGltYzJmYjhlZTI0MzQwOnFQQ0ZIN05xRTVN0UUY' \
-H 'Cache-Control: no-cache' \
-H 'Content-Type: application/json' \
-H 'Postman-Token: aad62087-04a2-4dee-90ea-76e31c60b960' \
-d {
  "store_id": "136b6d16-1317-4ac6-b551-19540d53bd6c",
  "client_id": "d4d950af-1a37-4a10-ba8b-c2fb8ee24340",
  "request_id": "1",
  "request_payload": {
    "external_customer_id": "14311211"
  }
}
```

## Sample Response

```
{
  "status": "success",
  "payload": [
    {
      "user_reference_id": "f38bfc1e-bcdc-11e8-9c83-7dc5ca5286e2",
      "user_account_id": "f38bfc1e-bcdc-11e8-9c83-7dc5ca5286e2",
      "partial_response": false,
      "first_name": "J",
      "last_name": "H",
      "phone": "1440273702",
      "email": "jh@sessionm.com",
      "points": 0,
      "profile_fields": {},
      "offers": [
        {
          "reference_id": "702ba202-55d4-44cd-ae4-dc864fb434a6",
          "user_id": "f38bfc1e-bcdc-11e8-9c83-7dc5ca5286e2",
          "reference_id_type": "userofferid",
          "pos_discount_id": null,
          "status": "INFO",
          "display_name": "$5 off Check",
          "image_url":
"http://cdn.loyaltr.ee/mobile/568D75D8-F935-4A91-855B-9AE6952D5127/item_B62CB79F-1CE7-4D80-8
6EA-F844804803BE.png",
          "discounted_line_ids": [],
          "discounted_line_id_quantities": [],
          "discount_source": "sessionm",
          "amount": 0,

```

```

        "stack_order": 0,
        "applied_time": null
    }
],
"accounts": [
    {
        "AccountName": "XYZ Point Account",
        "UserPointAccountID": "783e546e-a089-4bea-86ba-8bdb66e932a0",
        "PointAccountID": "8f9897cb-1cd3-4af6-ae92-63d2872afb45",
        "GroupingLabel": "",
        "AvailableBalance": 10,
        "LifeTimeValue": 10
    }
]
}
],
"errors": null
}

```

In addition, you may want to fetch a user’s offer history. The User Offer History API retrieves all the offers actively issued, revoked, redeemed or expired on behalf of the user.

The User Offer History API uses the following endpoint:

<b>URI</b>	<a href="http://offers-client.stg-sessionm.com/api/2.0/offers/user_offer_history">api/2.0/offers/user_offer_history</a>
<b>Request Method</b>	POST

Here is the sample request for getting a user’s offer history:

```

curl -H "Content-Type: application/json" -X POST -H "Authorization: Basic <Your API Key>"
http://offers-client.stg-sessionm.com/api/2.0/offers/user_offer_history --data
'{"retailer_id":"2D5B5A08-BECD-4837-A69A-2AB967C7773A","user_ids":["7802673c-0c37-11e8-8ca7-26
05c0686dd6"],"rollback_option":0,"skip":0,"take":1}'

```

Here is the sample response for getting a user’s offer history:

```

{
    "status": "ok",
    "payload": {
        "total_records": 1,
        "results": [[

```

```

        "title": "Test Image URL",
        "description": "Session M Test Offer - KY",
        "terms": "Subject to availability, XXX reserves the right to to void any offer.",
        "user_offer_id": "2e7d2237-2879-482b-b37b-3afc1d3f1ff2",
        "offer_id": "c7bf9bac-d7ec-4d4a-8651-b4e3b444c76a",
        "offer_type": "manual_fulfillment",
        "user_id": "7802673C-0C37-11E8-8CA7-2605C0686DD6",
        "acquire_date": "2018-09-04T19:47:28.3475814Z",
        "redemption_start_date": "2018-09-01T08:00:00Z",
        "redemption_end_date": "2019-09-04T21:55:54.7723464Z",
        "status": 1,
        "status_description": "Issued",
        "culture": "en",
        "media_uri": "",
        "media_culture": "",
        "skip": 0,
        "take": 1
    }
}
}

```

## Step 5: Lock User Offer

With Step 5 you can lock the offer issued to a specific user. The reference data returned as part of the response is used in the send transaction request to finalize the request and redeem the offer.

The Lock User Offer API uses the following endpoint:

<b>URI</b>	<a href="http://pos-client.stg-sessionm.com/api/2.0/offers/redemption/lock">api/2.0/offers/redemption/lock</a>
<b>Request Method</b>	POST / PATCH

## Request Sample

```

curl -H "Content-Type: application/json" -X POST -H "Authorization: Basic <Your API Key>" -H
'Cache-Control: no-cache' -H 'Content-Type: application/json'
http://pos-client.stg-sessionm.com/api/2.0/Lock -d '{
"store_id": "332b6ee0-e981-4f96-8047-d0d358cfb3e0",
"client_id": "686ed454-ecab-4e86-8abe-c9470e8dd787",
"request_id": "1",
"request_payload": {
"offer_lookup_code": "757144c2-6693-4a29-9f2c-f1d3aa2fa24f",
"offer_lookup_type": "userofferid",
"transaction": {
"pos_employee_id": "1000",

```



```

"table_id": "12",
"channel": "STORE",
"transaction_id": "3b0bdfb0-8c40-4960-bcf1-3b31627a7e83",
"guest_count": "1",
"subtotal": "11.77",
"TaxTotal": ".77",
"open_time": "2018-06-10 9:20:00.000",
"modified_time": "2018-06-10 9:30:00.000",
"items": [
  {
    "line_id": "0",
    "item_id": "1",
    "quantity": "1",
    "unit_price": "10",
    "subtotal": "10",
    "tax_included": ".70",
    "modifies_line_id": ""
  },
  {
    "line_id": "1",
    "item_id": "2",
    "quantity": "1",
    "unit_price": "1",
    "subtotal": "1",
    "tax_included": ".07",
    "modifies_line_id": "0"
  }
],
"discounts": [],
"payments": []
}
}
}'

```

## Response Sample

```

{
  "status": "OK",
  "payload": {
    "reference_id": "757144c2-6693-4a29-9f2c-f1d3aa2fa24f",
    "user_id": "7a5d1ba6-b1e3-11e8-842b-88002c64166c",
    "reference_id_type": "userofferid",
    "pos_discount_id": null,
    "status": "LOCKED",
    "display_name": "$20 coupon",
    "image_url": null,

```

```

    "discounted_line_ids": [
      "0",
      "1"
    ],
    "discount_source": "sessionm",
    "amount": 12,
    "stack_order": 0,
    "applied_time": "2018-09-07T16:29:11.299505Z"
  },
  "errors": null
}

```

## Step 6: Redeem Offer (Send Transaction)

In Step 6, you can send transaction data to the SessionM Platform. If an offer is locked, this route redeems the offer, provided it is referenced in the Lock API response as part of the discount data object for the request.

The Redeem Offer API uses the following endpoint:

<b>URI</b>	<a href="#">api/2.0/offers/send_transaction</a>
<b>Request Method</b>	POST

## Sample Request

```

curl -H "Content-Type: application/json" -X POST -H "Authorization: Basic <Your API Key>" -H
'Cache-Control: no-cache' -H 'Content-Type: application/json'
http://pos-client.stg-sessionm.com/api/2.0/send_transaction -d '{
  "store_id": "332b6ee0-e981-4f96-8047-d0d358cfb3e0",
  "client_id": "686ed454-ecab-4e86-8abe-c9470e8dd787",
  "request_id": "1",
  "request_payload": {
    "is_closed": "true",
    "pos_employee_id": "1",
    "channel": "Store",
    "transaction_id": "24222-2-424242-4qwe-q",
    "guest_count": "1",
    "subtotal": "2703.00",
    "tax_total": "0.25",
    "open_time": "2018-09-01 10:20:00.000",
    "modified_time": "2018-09-01 10:20:00.000",
    "items": [
      {
        "line_id": "1",
        "item_id": "2",

```

```
"quantity": "1",
"unit_price": "2701.50",
"subtotal": "2701.50"
},
{
  "line_id": "2",
  "item_id": "2",
  "quantity": "1",
  "unit_price": "1.50",
  "subtotal": "1.50"
}
],
"payments": [
  {
    "payment_id": "df42224-462w-sdf89",
    "amount": "2703.25",
    "type": "CREDIT",
    "payment_time": "2018-09-01 10:20:00.000",
    "user_id": "7a5d1ba6-b1e3-11e8-842b-88002c64166c",
    "user_id_type": "SessionM_ID"
  }
],
"discounts": [[
  "reference_id": "264310e3-34ad-42a9-bcf5-8ca16ff4bc91",
  "reference_id_type": "userofferid",
  "user_id": "57a7f64a-ab16-11e8-9c40-e1d6fdd3934a",
  "status": "LOCKED",
  "display_name": "10$",
  "discounted_line_ids": [
    "0"
  ],
  "discount_source": "sessionm",
  "amount": 1,
  "stack_order": 0,
  "applied_time": "2018-08-29T06:59:04.5326816Z"
]]]
```

## Sample Response

```
{
  "status": "OK",
  "payload": null,
  "errors": null
}
```

