Create Partner Code Group (Reward Item Group) Flow

Overview of steps

1. Step1 - Upload file
2. Step2 - Create Reward Item Group
3. Step3 - Publish REWARD_ITEM_GROUP_CREATED.v1 and consume it
4. Step4 - Publish REWARD_ITEM_GROUP_DEPLOYED.v1 and consume it

Step1 - Upload file

Repo	dtcloyalty-admin-rewardsadmin-filemanager
API Endpoint	http://localhost:8080/files/upload
Example Parameters	program_id=018a2bd5-fdc2-77ce-9367-7d700186d5ae partner_id=8834025b-b51d-4669-9973-200f07a9ed54
Body	**Key** = file **Type** = File **Value** = File to be uploaded

Sample file


```
EFVT9R01D2YTY0T
8WWEPAPCGH7W3K0
D0GXAMYRL4NAVPH
YBVAFZPE6JVTAZ1
W5NAEEURZL1FJSW
S2KWRJ2T0ILDLQS
0YX0V3IBQP5X8DJ
K02LU6WBR5YQJK5
23KJZDEFE87UN4Z
87TJTG8SYYSM2WA
```

Request

The screenshot shows the Postman application with a POST request to:

`http://localhost:8080/files/upload?program_id=018a2bd5-fdc2-77ce-9367-7d700186d5ae&pa...`

The request body uses form-data with a `file` key set to `10_Codes069.txt`.

The response (201 Created, 5.06 s, 916 B) shows the following JSON:

```
[
    {
        "id": "0947507f-2055-4894-adf6-94713a59d7ca",
        "name": "10_Codes069.txt",
        "size": 170,
        "type": "text/plain",
        "program_id": "018a2bd5-fdc2-77ce-9367-7d700186d5ae",
        "partner_id": "8834025b-b51d-4669-9973-200f07a9ed54",
        "metadata": {
            "description": "SAVED FILE 8834025b-b51d-4669-9973-200f07a9ed54/10_Codes069.txt",
            "container_name": "kaz",
            "tags": [
                "UploadDate=2024-12-29",
                "ProgramId=018a2bd5-fdc2-77ce-9367-7d700186d5ae",
                "PartnerId=8834025b-b51d-4669-9973-200f07a9ed54",
                "FileName=8834025b-b51d-4669-9973-200f07a9ed54/10_Codes069.txt"
            ],
            "uploaded_by": "SYSTEM",
            "uploaded_at": "2024-12-29 10:38:17",
```

API Response

```
[
  {
    "id": "0947507f-2055-4894-adf6-94713a59d7ca",
    "name": "10_Codes069.txt",
    "size": 170,
    "type": "text/plain",
    "program_id": "018a2bd5-fdc2-77ce-9367-7d700186d5ae",
    "partner_id": "8834025b-b51d-4669-9973-200f07a9ed54",
    "metadata": {
        "description": "SAVED FILE 8834025b-b51d-4669-9973-
200f07a9ed54/10_Codes069.txt",
        "container_name": "kaz",
        "tags": [
          "UploadDate=2024-12-29",
          "ProgramId=018a2bd5-fdc2-77ce-9367-7d700186d5ae",
          "PartnerId=8834025b-b51d-4669-9973-200f07a9ed54",
          "FileName=8834025b-b51d-4669-9973-200f07a9ed54/10_Codes069.txt"
        ],
        "uploaded_by": "SYSTEM",
        "uploaded_at": "2024-12-29 10:38:17"
    }
  }
]
```

Step2 - Create Reward Item Group

Repo	dtcloyalty-admin-rewardsadmin-rewardsmanager
API Endpoint	http://localhost:8080/reward-item-groups

Sample Request Body

```json
{
   "name": "KZrewarditemgroup145",
   "description": "KZrewarditemgroup145",
   "program_id": "018a2bd5-fdc2-77ce-9367-7d700186d5ae",
   "partner_id": "8834025b-b51d-4669-9973-200f07a9ed54",
   "code_warning_limit_percentage": 80,
   "reward_item_file_data": [
      {
         "id": "5de33ce2-1919-445e-afda-78c28ecbcab8",
         "name": "10_Codes069.txt",
         "size": 170,
         "type": "text/plain",
         "program_id": "018a2bd5-fdc2-77ce-9367-7d700186d5ae",
         "partner_id": "8834025b-b51d-4669-9973-200f07a9ed54",
         "metadata": {
            "description": "SAVED FILE 8834025b-b51d-4669-9973-200f07a9ed54/10_Codes06.txt",
            "container_name": "kaz",
            "tags": [
               "UploadDate=2024-12-27",
               "FileName=8834025b-b51d-4669-9973-200f07a9ed54/10_Codes06.txt",
               "ProgramId=018a2bd5-fdc2-77ce-9367-7d700186d5ae",
               "PartnerId=8834025b-b51d-4669-9973-200f07a9ed54"
            ],
            "uploaded_by": "SYSTEM",
            "uploaded_at": "2024-12-27 23:15:33"
         }
      }
   ],
   "is_active": true,
   "start_date": "2024-10-28T08:03:18",
   "end_date": "2025-07-12T08:03:18"
}
```

API Response

```
{
    "reward_item_file_data": [
        {
            "name": "10_Codes069.txt",
            "size": 170,
            "reward_item_group_id": "d475ae59-66a4-489e-82dc-7efc1b3dc877",
            "metadata_id": "2fd2ce3a-d0f4-4140-812b-eff226b29b3b",
            "metadata": {
                "tags": [
                    "UploadDate=2024-12-27",
                    "FileName=8834025b-b51d-4669-9973-200f07a9ed54/10_Codes06.txt",
                    "ProgramId=018a2bd5-fdc2-77ce-9367-7d700186d5ae",
                    "PartnerId=8834025b-b51d-4669-9973-200f07a9ed54"
                ],
                "container_name": "kaz",
                "uploaded_by": "SYSTEM",
                "uploaded_at": "2024-12-27 23:15:33",
                "description": "SAVED FILE 8834025b-b51d-4669-9973-200f07a9ed54/10_Codes06.txt",
                "id": "2fd2ce3a-d0f4-4140-812b-eff226b29b3b"
            },
            "id": "b75c4af3-8e77-4f0d-bbfa-cd14f55e9c81"
        }
    ],
    "name": "KZrewarditemgroup145",
    "description": "KZrewarditemgroup145",
    "partner_id": "8834025b-b51d-4669-9973-200f07a9ed54",
    "program_id": "018a2bd5-fdc2-77ce-9367-7d700186d5ae",
    "code_warning_limit_percentage": 80,
    "is_active": true,
    "exhausted_code": 0,
    "code_count": 0,
    "is_imported": false,
    "start_date": "2024-10-28T08:03:18",
    "end_date": "2025-07-12T08:03:18",
    "id": "d475ae59-66a4-489e-82dc-7efc1b3dc877",
    "status": "INACTIVE",
    "processing_status": "IMPORTING"
}
```

Collections

Environments

History

Today
- POST {{baseUrl}}/reward-item-groups
- POST http://localhost:8080/files/upload...
- POST http://localhost:8080/files/upload...

December 27
- POST {{baseUrl}}/reward-item-groups
- POST {{baseUrl}}/reward-item-groups
- POST {{baseUrl}}/reward-item-groups
- POST {{baseUrl}}/reward-item-groups
- POST {{baseUrl}}/reward-item-groups
- POST http://localhost:8080/files/upload
- POST http://localhost:8080/files/upload...
- POST http://localhost:8080/files/upload...
- POST http://localhost:8080/files/upload
- POST http://localhost:8080/files/upload
- POST http://localhost:8080/files

December 25
- POST http://localhost:8080/api/users
- POST http://localhost:8080/api/users
- POST http://localhost:8080/api/users
- POST http://localhost:8080/api/users
- POST http://localhost:8080/api/users
- POST http://localhost:8080/api/users

{{baseUrl}}/reward-item-groups   Save   Share

POST ∨   {{baseUrl}} /reward-item-groups   Send

Params Authorization Headers (11) Body ● Scripts Settings   Cookies

○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON ∨   Beautify

```
1  {
2      "name": "KZrewarditemgroup145",
3      "description": "KZrewarditemgroup145",
4      "program_id": "018a2bd5-fdc2-77ce-9367-7d700186d5ae",
5      "partner_id": "8834025b-b51d-4669-9973-200f07a9ed54",
```

Body Cookies Headers (11) Test Results   201 Created • 8.62 s • 1.59 KB

Pretty Raw Preview Visualize JSON ∨

```
21              "id": "8794025 5077 4509 9913 601415567601"
22          }
23      ],
24      "name": "KZrewarditemgroup145",
25      "description": "KZrewarditemgroup145",
26      "partner_id": "8834025b-b51d-4669-9973-200f07a9ed54",
27      "program_id": "018a2bd5-fdc2-77ce-9367-7d700186d5ae",
28      "code_warning_limit_percentage": 80,
29      "is_active": true,
30      "exhausted_code": 0,
31      "code_count": 0,
32      "is_imported": false,
33      "start_date": "2024-10-28T08:03:18",
34      "end_date": "2025-07-12T08:03:18",
35      "id": "d475ae59-66a4-489e-82dc-7efc1b3dc877",
36      "status": "INACTIVE",
37      "processing_status": "IMPORTING"
38  }
```

Step3 - Publish REWARD_ITEM_GROUP_CREATED.v1 and consume it

Run below repo locally to consume an event

Repo	dtcloyalty-runtime-consumerrewards-deployment-service
Raise event	Login to ServiceBus
Event type	com.pepsico.dtcloyalty.configurationnadmin.REWARD_ITEM_GROUP_CREATED.v1
Message body type	application/json
Session Id	1234
Send message	Sample payload given below

Debug point can be added in processEvent method (ProductMessageProcessor.java)

Sample Payload

```
{
  "specversion": "1.0",
  "id": "ao1026e003a-a103ca-a33da-b1130b-0d8a27ba35a106",
  "source": "com.pepsico.dtcloyalty.adminrewarditemgroup",
  "type":"com.pepsico.dtcloyalty.configurationnadmin.REWARD_ITEM_GROUP_CREATED.v1",
  "datacontenttype": "application/json",
  "dataschema": "",
  "time": "2024-11-30T11:24:59.7377393Z",
  "messagepublishingscope": "DOMAIN_EXTERNAL",
  "data": {
    "reward_item_file_data": [
      {
        "name": "10_Codes069.txt",
        "size": 170,
        "type": "text/plain",
        "metadata_id": "bd918371-9665-4194-88c7-ee42d09929f9",
        "reward_item_group_id": "6080bcf1-f4fb-429e-9234-0e8a9090549b",
        "metadata": {
          "tags": [
            "UploadDate=2024-12-27",
            "FileName=8834025b-b51d-4669-9973-200f07a9ed54/10_Codes06.txt",
            "ProgramId=018a2bd5-fdc2-77ce-9367-7d700186d5ae",
            "PartnerId=8834025b-b51d-4669-9973-200f07a9ed54"
          ],
          "container_name": "kaz",
          "uploaded_by": "SYSTEM",
          "uploaded_at": "2024-12-27 23:15:33",
          "description": "SAVED FILE 8834025b-b51d-4669-9973-200f07a9ed54/10_Codes06.txt",
          "id": "bd918371-9665-4194-88c7-ee42d09929f9"
        },
        "id": "f39a4f5f-ace7-4bcc-a691-a03708d67d3f"
      }
    ],
    "name": "KZrewarditemgroup141",
    "description": "KZrewarditemgroup141",
    "partner_id": "8834025b-b51d-4669-9973-200f07a9ed54",
    "program_id": "018a2bd5-fdc2-77ce-9367-7d700186d5ae",
    "code_warning_limit_percentage": 80,
    "is_active": true,
    "exhausted_code": 0,
    "code_count": 0,
```
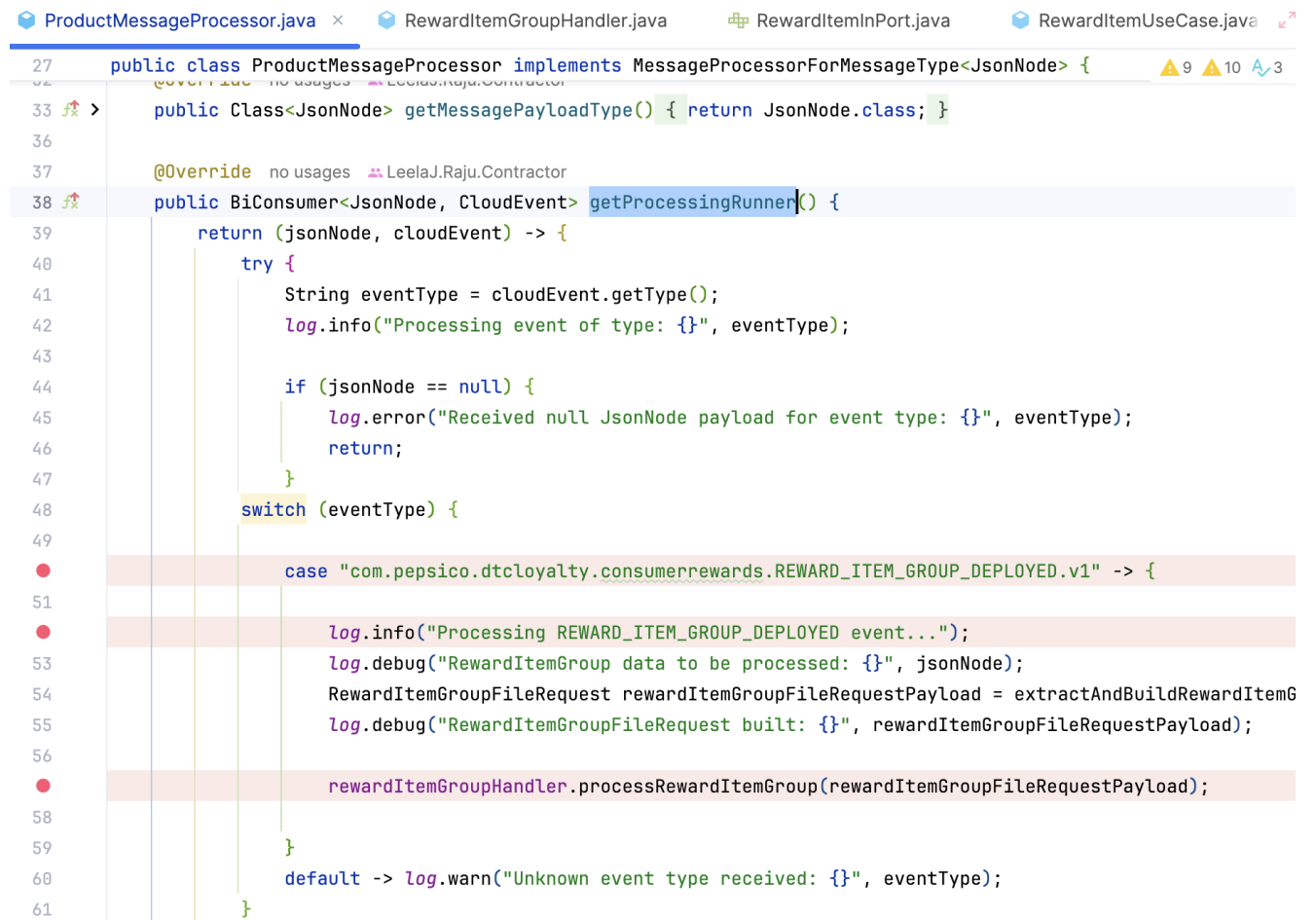
```
    "is_imported": false,
    "start_date": "2024-10-28T08:03:18",
    "end_date": "2025-07-12T08:03:18",
    "id": "6080bcf1-f4fb-429e-9234-0e8a9090549b",
    "status": "INACTIVE",
    "processing_status": "IMPORTING"
  }
}
```

Now submitting this event message should be consumed by our local running deployment service

Step4 - Publish REWARD_ITEM_GROUP_DEPLOYED.v1 and consume it
Run below repo locally to consume an event

Repo	dtcloyalty-admin-rewardsadmin-rewarditemprocessor
Raise event	Login to ServiceBus
Event type	com.pepsico.dtcloyalty.consumerrewards.REWARD_ITEM_GROUP_DEPLOYED.v1
Message body type	application/json
Session Id	1234
Send message	Sample payload given below

Debug point can be added in getProcessingRunner method (ProductMessageProcessor.java)

ProductMessageProcessor.java ✕ RewardItemGroupHandler.java   RewardItemInPort.java   RewardItemUseCase.java ↗

```java
27       public class ProductMessageProcessor implements MessageProcessorForMessageType<JsonNode> {          ⚠9 ⚠10 Ɐ3

33    >    public Class<JsonNode> getMessagePayloadType() { return JsonNode.class; }

36

37       @Override   no usages   ⚫ LeelaJ.Raju.Contractor
38       public BiConsumer<JsonNode, CloudEvent> getProcessingRunner() {
39           return (jsonNode, cloudEvent) -> {
40               try {
41                   String eventType = cloudEvent.getType();
42                   log.info("Processing event of type: {}", eventType);

43

44                   if (jsonNode == null) {
45                       log.error("Received null JsonNode payload for event type: {}", eventType);
46                       return;
47                   }
48               switch (eventType) {

49

●                       case "com.pepsico.dtcloyalty.consumerrewards.REWARD_ITEM_GROUP_DEPLOYED.v1" -> {

51

●                           log.info("Processing REWARD_ITEM_GROUP_DEPLOYED event...");
53                           log.debug("RewardItemGroup data to be processed: {}", jsonNode);
54                           RewardItemGroupFileRequest rewardItemGroupFileRequestPayload = extractAndBuildRewardItemG
55                           log.debug("RewardItemGroupFileRequest built: {}", rewardItemGroupFileRequestPayload);

56

●                           rewardItemGroupHandler.processRewardItemGroup(rewardItemGroupFileRequestPayload);

58

59                       }
60                       default -> log.warn("Unknown event type received: {}", eventType);
61               }
```

Sample Payload

```
{
  "specversion": "1.0",
  "id": "ao1026e003a-a103ca-a33da-b1130b-0d8a27ba35a106",
  "source": "com.pepsico.dtcloyalty.adminrewarditemgroup",
  "type": "com.pepsico.dtcloyalty.consumerrewards.REWARD_ITEM_GROUP_DEPLOYED.v1",
  "datacontenttype": "application/json",
  "dataschema": "",
  "time": "2024-11-30T11:24:59.7377393Z",
  "messagepublishingscope": "DOMAIN_EXTERNAL",
  "data": {
    "reward_item_file_data": [
      {
        "name": "10_Codes06.txt",
        "size": 170,
        "type": "text/plain",
        "meta_data_id": "bd918371-9665-4194-88c7-ee42d09929f9",
        "reward_item_group_id": "6080bcf1-f4fb-429e-9234-0e8a9090549b",
        "metadata": {
          "tags": [
            "UploadDate=2024-12-27",
            "FileName=8834025b-b51d-4669-9973-200f07a9ed54/10_Codes06.txt",
            "ProgramId=018a2bd5-fdc2-77ce-9367-7d700186d5ae",
            "PartnerId=8834025b-b51d-4669-9973-200f07a9ed54"
          ],
          "container_name": "kaz",
          "uploaded_by": "SYSTEM",
          "uploaded_at": "2024-12-27 23:15:33",
          "description": "SAVED FILE 8834025b-b51d-4669-9973-200f07a9ed54/10_Codes06.txt",
          "id": "bd918371-9665-4194-88c7-ee42d09929f9"
        },
        "id": "f39a4f5f-ace7-4bcc-a691-a03708d67d3f"
      }
    ],
    "name": "KZrewarditemgroup141",
    "description": "KZrewarditemgroup141",
    "partner_id": "8834025b-b51d-4669-9973-200f07a9ed54",
    "program_id": "018a2bd5-fdc2-77ce-9367-7d700186d5ae",
    "code_warning_limit_percentage": 80,
    "is_active": true,
    "exhausted_code": 0,
    "code_count": 0,
```

```
      "is_imported": false,
      "start_date": "2024-10-28T08:03:18",
      "end_date": "2025-07-12T08:03:18",
      "id": "6080bcf1-f4fb-429e-9234-0e8a9090549b",
      "status": "INACTIVE",
      "processing_status": "IMPORTING"
   }
}
```

Now submitting this event message should be consumed by our local running rewarditemprocessor service

Key tables involved

Schema	Table
rewardsmanager	rewards_item_group
rewardsmanager	rewards_item_group_file_data
rewardsmanager	rewards_item_group_file_meta_data
RUNTIME_CONSUMER_REWARDS	rewards_item_group
RUNTIME_CONSUMER_REWARDS	rewards_item_group_file_data
RUNTIME_CONSUMER_REWARDS	rewards_item_group_file_meta_data

Trouble shooting tips

1. Error while downloading file in Step4

Download the certificate of the blob storage URL and install it locally.

Command Example

```
keytool -import
-trustcacerts
-keystore
"/Users/pavanu/Library/Java/JavaVirtualMachines/openjdk23/Contents/Home/lib
/security/cacerts"
-storepass changeit
-alias rewardadminfilemanagerCert
-file
"/Users/kavyasrutiputrevu/Downloads/_.global.gw01.aks01.gwc.nonprod.azure.intr
a.pepsico.com.pem"
```

2. Event publishing fails

Ensure to provide a unique ID in the event payload.

3. Published message to **REWARD_ITEM_GROUP_CREATED.v1** not getting captured

   Check below properties

   AZURE_SERVICEBUS_REWARDS_ADMIN_TOPIC_NAME=
   "dtc-loyalty-sb-rewardsadmin-outbound"

   PEPSICO_REWARD_ITEM_GROUP_CREATED=
   "com.pepsico.dtcloyalty.rewardsadmin.REWARD_ITEM_GROUP_CREATED.v1"

4. Published message to **REWARD_ITEM_GROUP_DEPLOYED.v1** not getting captured

   Check below properties

   AZURE_SERVICEBUS_REWARDITEMGROUP_TOPIC_NAME=
   "dtc-loyalty-sb-consumerrewards-outbound"
   PEPSICO_REWARDITEMGROUP_DEPLOYED=
   "com.pepsico.dtcloyalty.consumerrewards.REWARD_ITEM_GROUP_DEPLOYED.v1"