

# Automatic renewal process

This cron is used to **fetch the records and fulfil their payments** based on the condition where **fulfilment time is today and to be fulfilled value is 1 and status=1 and max\_authorized\_amount >0** in subscription table. In this process we hit cart for order creation and upon receiving successful response from **cart** we hit **PG** with the payload provided in cart response.

Also, the process renewal internally calls the renewalStatuscheck which fetches the order from the subscription\_order\_history table for which the created at is for today (till now).

Before hitting cart ,the records go through validation as mentioned below.

1.**syncBill** for every record fetched in the query where we hit getBill api for each subscription .

a.if data is received then update the same in subscription table.

b.if no data is received then set next bill fetch date as today +1 and update the same in subscription table.

2.**get consent value** for each subscription from subscription\_consent table (currently this functionality is not used on production) using query due date=<due date in subscription table> and subscription id =x and consent =1 .

a.if query count is >1 then consent is YES .

3.Hit **oauth** authorize api to get the code and then using the code hit the oauth token api to get the access token and using the access token for the service hit oauth user api to get user details against each subscription customer ID .

4.If fulfilment time > current date then reject the request stating that it is **not to be fulfilled** .

5.If expiry time is less than current date then mark status as **Delivered i.e 3** in subscription table.

6.Now **insert the data in subscription order history table** with below details :txn\_status=1 ,amount,subscription ID ,Parent order ID ,customer\_id. So here we are making entry in subscription order history table with initiated state.

7.Now **hit the subscription check out cart api** .

a.if it returns 200 response code then update fftime and notify at to 0000 and update the details in subscription order history table .if new ff time > expiry time then set ffupdate flag as true and if the flag is true then update ff with status 20 i.e Subscription closed (status 4 in subscription table).

b.if cart returns response code other than 200 then we will **retry** the hit with 2 attempts(default) or config driven.

c.In cart check out api's success response we will get the order id , pg url to hit and payload to hit pg with .

**Subscription check out API sample request :**

```
curl -X POST \
'https://cart-staging.paytm.com/v2/subscription/checkout?client=subs&version=1&withdraw=1&skip_payment=1' \
-H 'Content-Type: application/json' \
-H 'Postman-Token: 2256afca-5a16-4de6-88a1-bf6628dc4929' \
-H 'cache-control: no-cache' \
-H 'mktplace-apikey: 11e4-89d3-123b93f7' \
-H 'x-release-environment: dev4' \
-d '{"customerId":11074099,"subscriptionId":"1000000000086","subscriptionOrderId":4296154096,"cart_items":[{"product_id":199,"configuration":{"recharge_number":"9864012536","recharge_number_3":"8888888888","recharge_number_4":"9999999999","recharge_number_5":"9999999987","price":100,"ext_txn_id":"200059554"},"quantity":1,"meta_data":{"due_amount":"667.88","contact_phone":"9678359861","contact_email":"litond543@gmail.com","days_before_renewal":1,"p_o_id":4296154096}}],"rid":"200059554","user":{"bankConsent":true,"countryCode":"91","created_at":"Jun 21, 2016 03:55:02 PM","customerGrade":"Normal","customerTermAndCondition":"agree","dateOfBirth":"03/03/1995","email":"mktqa.auto@paytm.com","firstName":"Manoj","gender":"MALE","id":11074099,"isConsent":true,"is_verified_email":1,"is_verified_mobile":1,"ivr_flag":1,"lastName":"Kapoor","mobile":9560922197,"sms_flag":1,"status":1,"type":"0","updateTimestamp":"Apr 09, 2019 04:08:25 PM","userSocialInfoList":[],"userTypesNumeric":"31","username":"obrienassert","walletType":"PRIME"}'}
```

**Response ::**

```
{
  "status": "SUCCESS",
  "message": "Please wait while we process your transaction...",
  "hitPG": "Yes",
  "ORDER_ID": 4296582382,
  "MID": "RECHAR92527355563292",
  "pgUrlToHit": "https://staging.paytm.com/order/payment/collect?is_subscription=1",
  "paymentPayload": {
    "MID": "RECHAR92527355563292",
    "ORDER_ID": 4296582382,
    "TXN_AMOUNT": 100,
    "CHECKSUMHASH": "en6gh+D3mDC3hyVJi61TwIC63prg39rXmEj/m8N8PgqjISNIY41XHWaIkexUto6nAlcE+3YWHdb0ey7SukH5viUbKtffwMnCfO8Vh8hm7EM=",
    "REQUEST_TYPE": "RENEW_SUBSCRIPTION",
    "SUBS_ID": "100000000086"
  }
}
```

8. On receiving successful response from cart check out api we will **hit PG api for payment creation** .

- a. if error response code i.e other than 200 is received then go for retry attempt to hit the PG url .
- b. if response is received with 200 response code then proceed with table update .
- c. if no response is received then hit **statuscheck** API .
  - c.1: if h\_p flag value received in response is 1 that means PG team has received no request so hit payment creation PG api again.
  - c.2: if h\_p flag is 0 then proceed with table update .

PG API sample **curl request** :

```
curl -X POST \
  'https://staging.paytm.com/order/payment/collect?is_subscription=1' \
  -H 'Content-Type: application/json' \
  -H 'Postman-Token: 5130eed4-839f-473e-a2e1-3dcccdfb381b' \
  -H 'cache-control: no-cache' \
  -H 'mktplace-apikey: 11e4-89d3-123b93f7' \
  -H 'user_id: 11074099' \
  -H 'x-release-environment: dev1' \
  -d '{"paymentPayload": {
    "MID": "RECHAR92527355563292",
    "ORDER_ID": 4296582214,
    "TXN_AMOUNT": 100,
    "CHECKSUMHASH": "PklaqLyfoKHqRXFyl5o8DvSrbZRiOTjt3YJ4G2IAbTtAGceMP8/XqlpsKbVPFNsBhtBdmJeq6hq8z4yyFmAev/Q6KXBUSjsuUTC+FUmdSiw=",
    "REQUEST_TYPE": "RENEW_SUBSCRIPTION",
    "SUBS_ID": "100000000086"
  }}, "orderId": 4296582214}'
```

**Response :**

```
{
  pgUrlToHit: 'https://cart.paytm.com/payment/redirect?id=42917873',
  payment_status: 1/2/3,

  "pgResponse": {
    "ORDERID": 4296299453,
    "STATUS": "TXN_SUCCESS",
    "TXNID": "20190222111212800110168297900549509",
    "BANKTXNID": "1725105",
    "TXNAMOUNT": 10,
    "RESPCODE": "01",
    "RESPMSG": "Txn Successful.",
    "TXNDATE": "",
    "GATEWAYNAME": "",
    "BANKNAME": "WALLET",
    "PAYMENTMODE": "PPI",
    "CUSTID": "1107204831"
  }
}
```

**Further processing based on these parameters:**

```
payment_status : 1 --> Pending
payment_status: 2 ---> Success
payment_status: 3 ----> Failure
```

## 9. Statuscheck API ::

**Sample request ::** [http://oms-staging.paytm.com/v2/merchant/2/items\\_v2.json?authtoken=dd1bd910-3904-455d-9a06-2c326fb8dd8c&order\\_id=4296589103&fulfillment=1](http://oms-staging.paytm.com/v2/merchant/2/items_v2.json?authtoken=dd1bd910-3904-455d-9a06-2c326fb8dd8c&order_id=4296589103&fulfillment=1)

## Response :

```
{
  "count": 1,
  "data": [
    {
      "id": 1349553232708,
      "merchant_id": 2,
      "vertical_id": 4,
      "sku": "airtel_himachalpradesh_mobile_prepaid",
      "mrp": 1,
      "price": 100,
      "qty_ordered": 1,
      "status": 1,
      "product_id": 199,
      "order_id": 4296589103,
      "created_at": "2019-04-25T09:45:47.000Z",
      "updated_at": "2019-04-25T09:45:47.000Z",
      "name": "Recharge of Airtel Mobile",
      "ship_by_date": "2019-04-25T09:45:47.000Z",
      "fulfillment_id": 0,
      "fulfillment_req": "{\"recharge_number\":\"9864012536\",\"recharge_number_3\":\"8888888888\",\"recharge_number_4\":\"9999999999\",\"recharge_number_5\":\"9999999987\",\"price\":100,\"ext_txn_id\":\"200059606\"}",
      "selling_price": 100,
      "discount": 0,
      "conv_fee": 0,
      "promo_code": null,
      "promo_description": null,
      "shipping_amount": 0,
      "fulfillment_service": 3,
      "custom_text1": "16",
      "attributes": "{}",
      "info": "{\"c_sid\":1}",
      "custom_text4": "{\"rp_id\":2,\"rid\":0,\"ii\":{\"w_id\":3730,\"w_t\":4,\"s_id\":\"\"},\"di\":{\"gp\":1}}",
      "custom_text5": "{\"di\":{\"if\":4}}",
      "meta_data": "{\"due_amount\":\"667.88\",\"contact_phone\":\"9678359861\",\"contact_email\":\"litond543@gmail.com\",\"days_before_renewal\":1,\"p_o_id\":4296154096}",
      "isSubscription": false,
      "subscriptionInfo": null,
      "ack_by": "2019-04-26T09:45:47.000Z",
      "order": {
        "id": 4296589103,
        "customer_firstname": "Manoj",
        "customer_lastname": "Kapoor",
        "created_at": "2019-04-25T09:45:47.000Z",
        "payment_status": 4,
        "customer_email": "mktXXXXXXX@paytm.com",
        "promo_code": null,
        "customer_id": 11074099,
        "promo_description": null,
        "phone": "95XXXXXX97",
        "title": "Recharge of Airtel Mobile 9864012536",
        "channel_id": "SUBS 1",
        "remote_ip": "10.254.23.164",
        "info": 515,
        "customer_type": 1,
        "label": "200059606",
        "order_info": "{\"s_id\":1,\"user_flag\":515,\"h_pl\":0}",
        "site_id": 1,
        "gstn": null,
        "solution_name": null,
        "isNewCustomer": false,
        "address": [],
        "isCOD": 0,
        "order_item_count": 1,
        "customer_email_enc": "7cde43f39ad20d1c21a00dbbc95bf5e4:5b9694cf8bb6d3c5d43d03fe2343e385601eedac14a3c2c9e6eeb1ff1a05ccad",
        "phone_enc": "84074435a9a122811f4344fb03916a5a:874196e5f693f1460439ea4370124f8c"
      },
      "fulfillments": [
        {}
      ],
      "estimated_delivery": "2019-04-30T09:45:47.000Z",
    }
  ]
}
```

```

"estimated_delivery_range": [
  "2019-04-27T09:45:47.000Z",
  "2019-04-30T09:45:47.000Z"
],
"SLAextended": 0,
"isCOD": 0,
"isRefundAttempted": false,
"bulk_pricing": 0,
"isLMD": 0,
"isNSS": false,
"isDisputed": 0,
"isLC": 0,
"isFraudulentOrder": 0,
"hasLifafa": 0,
"isExchangeForwardItem": 0,
"isExchangeReverseItem": 0,
"isZeroEMIParentItem": 0,
"isInstallationParentItem": 0,
"isChildItem": 0,
"isReplacement": 0,
"hasReplacement": 0,
"isPickAtStore": false,
"isFreebieParentItem": 0,
"isFreebieChildItem": 0,
"isPartialParentItem": 0,
"warehouse_id": 3730,
"seed_id": "",
"isPhysical": false,
"fulfillment_mode": 0,
"isOffline": false,
"is_fraudulent_order": false,
"is_c2i_merchant": false,
"net_price": 100,
"thumbnail": "https://assetscdn1.paytm.com/images/catalog/product/A/Ai/AirtelHimachalPradeshprepaid199/0.jpg",
"image": "https://assetscdn1.paytm.com/images/catalog/product/A/Ai/AirtelHimachalPradeshprepaid199/0.jpg",
"category_id": 17
}}

```

#### Further processing based on statuscheck api Response :

- 1.If statuscheck api returns status 7 in response then mark it as success with status 3.(template 3913)
- 2.if api returns 15 in response then mark the order as pending i.e 1 (template 3990 )
- 3.if api returns 6 then it is operator declined and mark the order with status 6. (template 3911)
- 4.if status is 4 or payment\_status under order is 4 then mark the status as Payment failure i.e 4 (template 3858)

10.Error code response from cart order creation or payment collection api and respective status in subscription order history table is as followed .

- a. if cart returns **401** auth failure response code then it should be marked as Status **5** in subscription order history table. (template 5914)
- b.If cart returns **424** Pre validation failure then it should be marked as status **6** in subscription order history table.(template 5913)
- c.In case of **connection time out** , status should be marked as **7** in subscription order history table.(template 5914)
- d.In all other error response code cases , status should be marked as **7** in subscription order history table.(template 5914)

#### Note::

In case where user pays the bill ,the same is reflected in recents and the same is updated in bills operator table .So automatic renewal will not pick it if the fulfilment time is greater than current time stamp.



