

Receiving Missed Business Event in OIC

Step1: Deactivate an OIC Orchestration which has subscribed to ERP Business Events for PO Receipts.

Note: If the orchestration to be deactivated contains a business event subscription, a message is displayed asking if you want to delete the event subscription while deactivating the orchestration. If you select to delete the event subscription, the integration does not receive any events after it is reactivated. Below is just an example screenshot.

Deactivate Integration

ShopifyCreateOrderEvent (1.0)

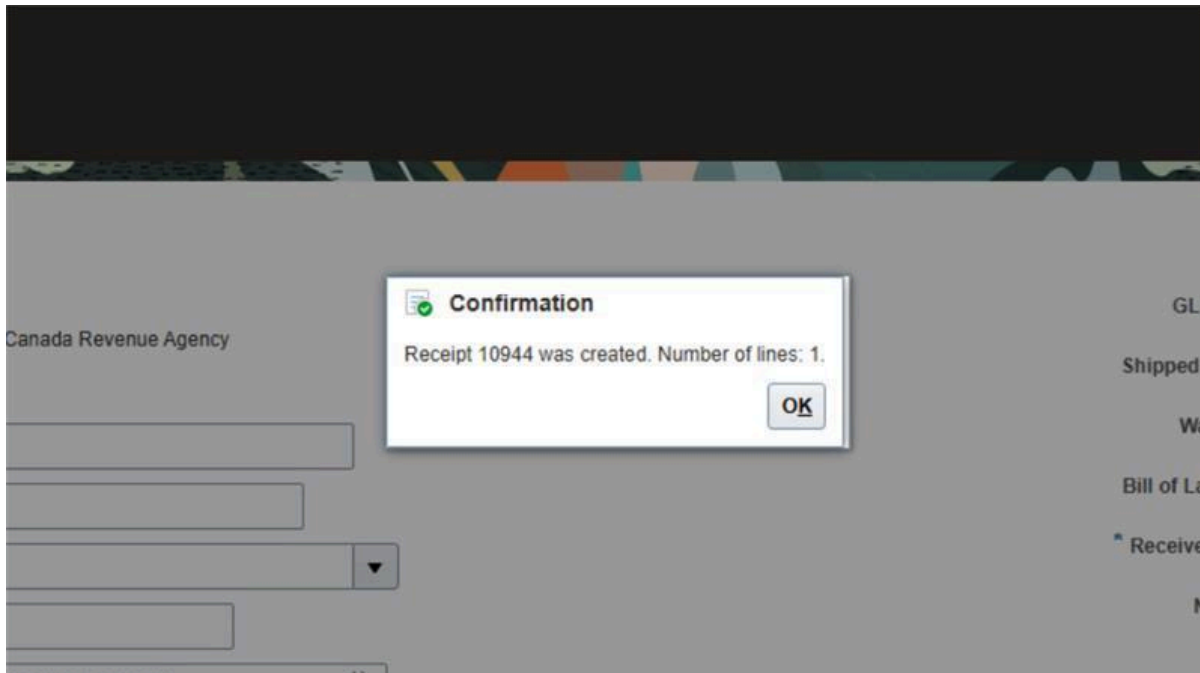
Delete Event Subscription: It will delete the subscription associated with the integration.

☐ Delete Event Subscription

Cancel Deactivate

If you do not want to delete the event subscription, the events in this integration are resent if the integration is activated within six hours. Beyond 6 hours those requests will be exhausted.

Step2: Create PO Receipt. PO Receipt 10944 is created in fusion at 10:46 AM, during that time integration was deactivated.



Step3: Re-activate orchestration after some time.

Integration was activated at 1PM and we see that the Integration subscribed to the business event for the specific Receipt (10944)

design.integration.us-phoenix-1.ocp.oraclecloud.com/?root=monitoringTracking&oj_Router=1N4lgTg9hAulFzAL6KA&integrationInstance=dellptmoicdev2-ax5cdd9zuvv...px

ORACLE dellptmoicdev2-ax5cdd9zuvv... (Dev)

Instances

Time window Last 1 hour Integration PTM_INV_INT_162_CREATE_RECEIPT_BUSINESSEVENT_SUB (PTM_INV_INT_162_CREATE RECEIPT | 01.00.0000) x Display instances Retained Sor >

7 instances

Primary identifier	Instance ID	Status	Business Identifiers	Duration
ShipmentHeaderId: 583011 PTM_INV_INT_162_CRE... 1.0.0	wmXnzyQF...	Aborted	ReceiptNu... 66	Received Aborted Duration 21 minutes ago 19 minutes ago 811 milliseconds
ShipmentHeaderId: 583012 PTM_INV_INT_162_CRE... 1.0.0	u9ZeOIQFE...	Aborted	ReceiptNu... 10945	Received Aborted Duration 21 minutes ago 19 minutes ago 764 milliseconds
ShipmentHeaderId: 582026 PTM_INV_INT_162_CRE... 1.0.0	o9ntFyQFE...	Aborted	ReceiptNu... 10944	Received Aborted Duration 22 minutes ago 19 minutes ago 882 milliseconds
ShipmentHeaderId: 582030	hZmimiOF...	Aborted	ReceiptNu... 37	Received Aborted 23 minutes ago 19 minutes ago

Conclusion: Business events are retried in SaaS and automatically captured within 6 hours of unavailability of OIC services.

GET
https://[redacted].oraclecloud.com:443/soa-infra/PublicEvent/diagnostic/exhaustedEventsDetail?lastHours=24&pageSize=100
Send

Params
Authorization
Headers (9)
Body
Pre-request Script
Tests
Settings
Cookies

<input type="checkbox"/>	endDate	2025-04-28 05:33:49.797
<input type="checkbox"/>	page	2
<input checked="" type="checkbox"/>	pageSize	100
<input type="checkbox"/>	subscriptionID	[redacted]xig8bimkfn-d-hy.integration.ap-hyderabad-1.ocp.oraclecloud.com...

body
Cookies (2)
Headers (15)
Test Results

Status: 200 OK
Time: 226 ms
Size: 2.7 KB
Save Response

Pretty
Raw
Preview
Visualize
JSON

```

1 {
2   "message": "Successful",
3   "eventsDetail": [
4     {
5       "flowId": "158420",
6       "ecId": "e74c31d4-394f-45a1-8c2b-b1eab1222848-053100fc",
7       "messageId": "messageId",
8       "eventName": "http://xmlns.oracle.com/apps/prc/po/approval/PrcPoApprovalComposite/PurchaseOrder?PurchaseOrder",
9       "processingDate": "2025-04-28 15:39:21.239",
10      "subscriptionId": "[redacted]xlg8bimkfn-d-hy.integration.ap-hyderabad-1.ocp.oraclecloud.com)
          :aHR0cHMlY92b21pyY1vaWmtZGV2LWF4bGc4Ymlta2ZuZC1oeS5pbmRlZ3JhdGlvb15hcC10eWRlcmF1YWQtMS5vY3Aub3JhY2x1Y2xvdWQvY29tL21jL3d3L2lu
          dGVncmF0aW9uL3YxL2Zsb3d3L2VycC9QT19FVkV0VC8xLjAv",
11      "status": "Exhausted",
12      "failureReason": "None"
13    },
14    {

```

/soa-infra/PublicEvent/diagnostic/exhaustedEventsCount?lastHours=24&pageSize=100

GET https://[redacted]443/soa-infra/PublicEvent/diagnostic/exhaustedEventsCount?lastHours=24&pageSize=100 ...

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded raw binary

This request does not have a body

body Cookies (2) Headers (15) Test Results Status: 200 OK Time: 350 ms Size: 965 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "count": 68,
3   "statusDetail": "Successful"
4 }
```

Note: We can find exhausted events for a specific Business Event like “PurchaseOrder” using Subscription ID. We have 43 requests which are exhausted in the last 24 hours. We have filtered out these using SubscriptionID.

GET https://[redacted]443/soa-infra/PublicEvent/diagnostic/exhaustedEventsCount?lastHours=24&pageSize=100&subscriptionID=[redacted] ...

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Bulk Edit
<input checked="" type="checkbox"/> lastHours	24	
<input type="checkbox"/> startDate	2025-04-25 05:33:49.797	
<input type="checkbox"/> endDate	2025-04-28 05:33:49.797	
<input type="checkbox"/> page	2	
<input checked="" type="checkbox"/> pageSize	100	
<input checked="" type="checkbox"/> subscriptionID	[redacted]-hy.integration.ap-hyderabad-1.ocp.oraclecloud.co...	

body Cookies (2) Headers (15) Test Results Status: 200 OK Time: 174 ms Size: 965 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "count": 43,
3   "statusDetail": "Successful"
4 }
```

Step3: Activate the integration and restore the Exhausted event for “PurchaseOrder” using APIs

1 Integrations				
Name	Version	Style	Last updated	Status
PO_EVENT	1.0.0	Application	Apr 29, 2025 11:35:28 AM IST	Active DEBUG TRACING

API URI: /soa-infra/PublicEvent/exhaustedEvents/restore

Sample Payload:

```
{
  "subscriptionId": "(*****_***_***_*****-hy.integration.ap-hyderabad-1.ocp.oraclecloud.com):aHR0cHM6Ly9zb21pYy1vaWMTZGV2LWF4bGc4Ym1ta2ZuZC1oeS5pbmRlZ3JhdGlvbi5hcC1oeWRlcmFiYWQtMS5vY3Aub3JhY2xhY2xvdWQuY29tL2JlL3dzL2ludGVncmF0aW9uL3YxL2Zsb3dzL2VycC9QT19FVkvVOVC8xLjAv",
  //"startDate": "29-04-2025 04:03:24",
  //"endDate": "29-04-2025 10:20:25",
  "lastHours":24
}
```

The screenshot displays a REST client interface with a PUT request to the URL `https://[redacted].oraclecloud.com:443/soa-infra/PublicEvent/exhaustedEvents/restore`. The request body is a JSON object with the following fields: `"subscriptionId"` (a long alphanumeric string), `"startDate"` (commented out), `"endDate"` (commented out), and `"lastHours": 24`. The response status is 200 OK, and the response body is a JSON object: `{"count": 43, "message": "Successful"}`.

```
PUT https://[redacted].oraclecloud.com:443/soa-infra/PublicEvent/exhaustedEvents/restore

{"subscriptionId": "(*****_***_***_*****-hy.integration.ap-hyderabad-1.ocp.oraclecloud.com):aHR0cHM6Ly9zb21pYy1vaWMTZGV2LWF4bGc4Ym1ta2ZuZC1oeS5pbmRlZ3JhdGlvbi5hcC1oeWRlcmFiYWQtMS5vY3Aub3JhY2xhY2xvdWQuY29tL2JlL3dzL2ludGVncmF0aW9uL3YxL2Zsb3dzL2VycC9QT19FVkvVOVC8xLjAv",
  //"startDate": "29-04-2025 04:03:24",
  //"endDate": "29-04-2025 10:20:25",
  "lastHours":24
}
```

Status: 200 OK Time: 335 ms Size: 958 B Save Response

```
{
  "count": 43,
  "message": "Successful"
}
```

After restoring, check the count of Exhausted business event for “PurchaseOrder” is now 0

GET [https://\[redacted\]oraclecloud.com:443/soa-infra/PublicEvent/diagnostic/exhaustedEventsCount?lastHours=24&pageSize=100&subscriptionID=\[redacted\]](https://[redacted]oraclecloud.com:443/soa-infra/PublicEvent/diagnostic/exhaustedEventsCount?lastHours=24&pageSize=100&subscriptionID=[redacted]) Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Bulk Edit
<input checked="" type="checkbox"/> lastHours	24	
<input type="checkbox"/> startDate	2025-04-25 05:33:49.797	
<input type="checkbox"/> endDate	2025-04-28 05:33:49.797	
<input type="checkbox"/> page	2	
<input checked="" type="checkbox"/> pageSize	100	
<input checked="" type="checkbox"/> subscriptionID	[redacted]bimkfn-d-hy.integration.ap-hyderabad-1.ocp.oraclecloud.co...	
Key	Value	

dy Cookies (2) Headers (15) Test Results Status: 200 OK Time: 267 ms Size: 964 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "count": 0,
3   "statusDetail": "Successful"
4 }
```

All 43 records have been subscribed through integration.

Time window Last 1 hour Integration PO_EVENT (PO_EVENT | 01.00.0000) x Display instances Retained Sort by Last updated time Clear

45 instances

Primary identifier	Instance ID	Status	Business Identifiers	Duration
POHeaderId: 300000008238844 PO_EVENT 1.0.0	..ASMkyTBfCX2l...	Succeeded	OrderNumber 4101353	Received Succeeded Duration 13 minutes ago 13 minutes ago 29 milliseconds
POHeaderId: 300000008255196 PO_EVENT 1.0.0	..h-ICTBEfCX2l...	Succeeded	OrderNumber 4101365	Received Succeeded Duration 13 minutes ago 13 minutes ago 28 milliseconds
POHeaderId: 300000008242006 PO_EVENT 1.0.0	..VLITBEfCX2l...	Succeeded	OrderNumber 4101356	Received Succeeded Duration 13 minutes ago 13 minutes ago 29 milliseconds
POHeaderId: 300000008238904 PO_EVENT 1.0.0	..hSzyTBfCX2l...	Succeeded	OrderNumber 4101354	Received Succeeded Duration 13 minutes ago 13 minutes ago 29 milliseconds
POHeaderId: 300000008238530 PO_EVENT 1.0.0	..GcCYTBfCX2l...	Succeeded	OrderNumber 4101351	Received Succeeded Duration 13 minutes ago 13 minutes ago 29 milliseconds
POHeaderId: 300000008187200 PO_EVENT 1.0.0	..SscYSTBEfCX2l...	Succeeded	OrderNumber 4101322	Received Succeeded Duration 13 minutes ago 13 minutes ago 470 milliseconds
POHeaderId: 300000008228424 PO_EVENT 1.0.0	..9JZMSTBEfCX2l...	Succeeded	OrderNumber 4101341	Received Succeeded Duration 13 minutes ago 13 minutes ago 29 milliseconds

Conclusion: Restoring exhaust events is feasible via provided Oracle APIs

Reference Document:

https://support.oracle.com/epmos/faces/DocumentDisplay?_afLoop=13339287498551&id=2751325.1&_afWindowMode=0&_adf.ctrl-state=ccb6zmdcu_4