

Oracle® Banking Microservices Architecture

Event Hub User Guide



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The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

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Purpose

This guide provides details of the events published by Oracle Banking Party during different processes of party onboarding and party amendment.

Audience

This guide is intended for the bankers who are responsible for onboarding retail customers into the bank.

Documentation Accessibility

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Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure

continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Related Resources

For more information, see these Oracle resources:

- *Getting Started User Guide*
- *Oracle Banking Party Configurations User Guide*
- *Retail Onboarding User Guide*

Acronyms and Abbreviations

The following acronyms and abbreviations are used in this guide:

Table 1 Acronyms and Abbreviations

Acronym/ Abbreviation	Description
KYC	Know Your Customer
SMB	Small and Medium Business
SME	Small and Medium Enterprise

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Event Notifications

This topic contains the following sub-topics:

- [Party Onboarding \(All Party Type\)](#)
- [KYC Status Update](#)
- [Retail Party Onboarding](#)
- [Party Amendment](#)

1.1 Party Onboarding (All Party Type)

Party Onboarding (All Party Type) event notification is published on completion of a party onboarding process, and it notifies onboarding of a new party in party management. Party onboarding event is published for Retail, SMB, SME, and Corporate party types.

Topic Name

platoPartyHandoffToHostStatus

Avro Format

```
{
  "namespace": "avro.oracle.fsgbu.plato.eventhub.events",
  "name": "PartyHandoffToHostStatusGenerated",
  "type": "record",
  "fields" :
  [
    {"name":"branchCode","type":["null","string"]},
    {"name":"userId","type":["null","string"]},
    {"name": "applicationNumber", "type": "string"},
    {"name": "partyId", "type": "string"},
    {"name": "handoffStatus", "type": "string"},
    {"name": "externalCustomerId", "type": "string"},
    {"name": "eventType", "type": "string"}
  ]
}
```

Sample Event

```
{"branchCode": "000", "userId": "USER1", "applicationNumber": "STP21TEST000B20",
"partyId": "PTY00000001", "handoffStatus": "SUCCESS", "externalCustomerId": "CIF00001",
"eventType": "HANDOFF"}
```

Event Attributes

Table 1-1 Event Attributes

Attribute	Description
branchCode	Branch Code, where party is onboarded using Oracle Banking Party Management application.
userId	User ID of the user, who is onboarding party using Oracle Banking Party Management application.
applicationNumber	Application number of the amendment.
partyId	Unique Party ID generated by Oracle Banking Party Management.
handoffStatus	Hand off status of party information to host/core such as Success, Failure etc.
externalCustomerId	Customer Identification number generated by external system, in case party information is handed off to external systems/backend system. Else, Party ID generated by Oracle Banking Party Management.
eventType	Event type as HANDOFF.

1.2 KYC Status Update

KYC Status Update event notification is published on completion of a KYC process during a **Party Onboarding** and **Party Amendment** process. This event is published for Retail and SMB party types.

Topic Name

PartyKYCStatusUpdate

Avro Format

```
{
  "namespace": "avro.oracle.fsgbu.plato.eventhub.events",
  "name": "PartyKYCStatusUpdateGenerated",
  "type": "record",
  "fields" :
  [
    {"name": "branchCode", "type": ["null", "string"]},
    {"name": "userId", "type": ["null", "string"]},
    {"name": "applicationNumber", "type": "string"},
    {"name": "partyId", "type": "string"},
    {"name": "kycStatus", "type": "string"},
    {"name": "kycLastUpdateDate", "type": "string"},
    {"name": "eventType", "type": "string"}
  ]
}
```

Sample Event

```
{"branchCode": "000", "userId": "USER1", "applicationNumber": "STP21TEST000B20",
"partyId": "PTY0000001", "kycStatus": "CMP", "kycLastUpdateDate":
"2021-12-23T06:21:13.575", "eventType": "KYC"}
```

Event Attributes

Table 1-2 Event Attributes

Attribute	Description
branchCode	Branch Code, where party is onboarded using Oracle Banking Party Management application.
userId	User ID of the user, who is onboarding party using Oracle Banking Party Management application.
applicationNumber	Application number of the amendment.
partyId	Unique Party ID generated by Oracle Banking Party Management.
kycStatus	KYC Status of party such as Compliant, Non-Compliant, etc.
kycLastUpdateDate	Last KYC status update date for a party.
eventType	Event type as KYC.

1.3 Retail Party Onboarding

Retail Party Onboarding event notification is published on completion of a retail party onboarding process, and it notifies onboarding of a new retail party in Party Management. Retail Party Onboarding event is published only for Retail parties.

Topic Name

obpyRetOnboard

Avro Format

```
{
  "namespace": "avro.oracle.fsgbu.plato.eventhub.events",
  "name": "ObpyRetOnboardGenerated",
  "type": "record",
  "fields" :
    [
      { "name": "branchCode", "type": "string"},
      { "name": "userId", "type": ["null", "string"]},
      { "name": "date", "type": ["null", "string"]},
      { "name": "time", "type": ["null", "string"]},
      { "name": "applicationNumber", "type": "string"},
      { "name": "handoffStatus", "type": "string"},
      { "name": "sourceProductId", "type": "string"},
      { "name": "eventType", "type": "string"},
      { "name": "externalCustomerNumber", "type": "string"},
      { "name": "isKycCompliant", "type": "string"},
      { "name": "partyCategory", "type": "string"},
      { "name": "partyId", "type": "string"},
      { "name": "partyType", "type": ["null", "string"]},
      { "name": "rmId", "type": ["null", "string"]},
      { "name": "firstName", "type": "string"},
      { "name": "middleName", "type": "string"},
      { "name": "lastName", "type": "string"},
      { "name": "residentStatus", "type": "string"},
      { "name": "uniqueId", "type": "string"},
    ]
}
```



```
{
  "name": "customerSegment", "type": "string"},
  "name": "partySubType", "type": "string"},
  "name": "isCustomer", "type": "string"},
  "name": "isStaff", "type": ["null", "string"]},
  "name": "isInsider", "type": ["null", "string"]},
  "name": "isSpecial", "type": "string"},
  "name": "isArmedForce", "type": "string"},
  "name": "isPep", "type": "string"},
  "name": "isMla", "type": "string"},
  "name": "isMinor", "type": "string"},
  "name": "isBlacklisted", "type": "string"},
  "name": "isProspect", "type": "string"},
  "name": "amendDateTime", "type": "string"},
  "name": "applicationDate", "type": "string"}
]
```

Request Header

ContentType:application/json

Accept:application/json

userId:XXXXX

branchCode:000

authToken:token

entityId:DEFAULTENTITY

handoffStatus:SUCCESS

appld:PRTONB

Request Payload

```
{
  "branchCode" : "000",
  "userId" : "XXXXX",
  "date" : "18052023",
  "time" : "14.24.25",
  "applicationNumber" : "xxxxxx",
  "handoffStatus" : "onboard",
  "sourceProductId": "OBPY",
  "eventType" : "onboard",
  "externalCustomerNumber" : "xxxxxx",
  "isKycCompliant" : "true",
  "partyCategory" : "retail",
  "partyId" : "xxxxxx",
  "partyType" : "retail",
  "rmId" : "xxxxxx",
  "firstName" : "xxxxxx",
  "middleName" : "xxxxxx",
  "lastName" : "xxxxxx",
  "residentStatus" : "Permanent",
```

```

    "uniqueId" : "xxxxx",
    "customerSegment" : "Affluent",
    "partySubType" : "retail",
    "isCustomer" : "true",
    "isStaff" : "true",
    "isInsider" : "true",
    "isSpecial" : "true",
    "isArmedForce" : "true",
    "isPep" : "true",
    "isMla" : "true",
    "isMinor" : "true",
    "isBlacklisted" : "true",
    "isProspect" : "true"
  }

```

Sample Event

```

{"branchCode": "000", "userId": "XXXXX", "date": "18052023", "time": "14.24.25",
"applicationNumber": "xxxxx", "handoffStatus": "onboard", "sourceProductId": "OBPY",
"eventType": "onboard", "externalCustomerNumber": "xxxxx", "isKycCompliant": "true",
"partyCategory": "retail", "partyId": "xxxxxx", "partyType": "retail", "rmlId": "xxxxx", "firstName":
"xxxxx", "middleName": "xxxxx", "lastName": "xxxxx", "residentStatus": "Permanent",
"uniqueId": "xxxxx", "customerSegment": "Affluent", "partySubType": "retail", "isCustomer":
"true", "isStaff": "true", "isInsider": "true", "isSpecial": "true", "isArmedForce": "true", "isPep":
"true", "isMla": "true", "isMinor": "true", "isBlacklisted": "true", "isProspect": "true",
"amendDateTime": "20231005T09:52:32.887729300", "applicationDate": "20200326"}

```

Event Attributes

Table 1-3 Event Attributes

Attribute	Description	Values
branchCode	Branch Code, where party is onboarded using Oracle Banking Party Management application.	
userId	User ID of the user, who is onboarding party using Oracle Banking Party Management application.	
date	Date and Time of Party Onboarding.	
applicationNumber		
handoffStatus	Status of party onboarding in Oracle Banking Party Management such as completed, failed, etc.	
sourceProductId	Transaction initiation source product ID such as Oracle Banking Party Management.	
eventType	Action for which even is published.	
externalCustomerNumber	Customer Identification number generated by external system, in case party information is handed off to external systems/backend system. Else, party id generated by Oracle Banking Party Management.	

Table 1-3 (Cont.) Event Attributes

Attribute	Description	Values
isKycCompliant	Flag to identify, if party is KYC compliant.	
partyCategory	Category of Party. Party category is a configurable entity code.	
partyId	Unique Party ID generated by Oracle Banking Party Management.	
partyType	Party Type as captured in Oracle Banking Party Management. Following are the party types supported. <ul style="list-style-type: none"> Retail Small and Medium Business Small and Medium Enterprise Corporate Financial Institution 	Following values should be available in notification based on party type. <ul style="list-style-type: none"> I Retails Party S Small and Medium Business E Small and Medium Enterprise C Corporate Party B Financial Institution
rmlId	ID of the relationship manager assigned to party.	
firstName	First Name of the party.	
middleName	Middle Name of the party.	
lastName	Last Name of the party.	
residentStatus	Residential status of the party.	
uniqueId	Unique Identifier as captured during party onboarding.	Only the preferred ID should be provided in notification.
customerSegment	Segment of Party. Party Segment is a configurable entity code.	
partySubType	SubType of Party. Party subtype is a configurable entity code.	
isCustomer	Flag to identify, if party is a full customer to the financial institution	Y / N
isStaff	Flag to identify, if party is a staff of financial institution	Y / N
isInsider	Flag to identify, if party is an insider to an organization	Y / N
isSpecial	Flag to identify, if party is specially abled	Y / N
isArmedForce	Flag to identify, if party belongs to armed forces.	Y / N
isPep	Flag to identify, if party is politically exposed	Y / N
isMla	Flag to identify, if party is covered under military benefits.	Y / N
isMinor	Flag to identify, if party is a minor customer.	Y / N
isBlacklisted	Flag to identify, if party is blacklisted.	Y / N
isProspect	Flag to identify, if party is a prospect.	Y / N
amendDateTime	Date of Amendment.	
applicationDate	Date of Application.	

1.4 Party Amendment

On completion of **Party Amendment** process in Oracle Banking Party Management, an event is published to Kafka queue as below.

Table 1-4 List of Amendment Events (Topic Name)

DATA SEGMENT NUMBER	DATA SEGMENT	TOPIC NAME (RETAIL EVENT)	DESCRIPTION
DS0003	Basic Info and Citizenship	obpyRetAmendBasicInfo	Event notification for amendment in basic information of retails party such as first name, last name, date of birth etc.
DS0004	Contact Details	obpyRetAmendContact	Event notification for amendment including addition, deletion, and update in contact details of the party
DS0005	Current Address	obpyRetAmendCurrentAddr	Event notification for amendment including addition, deletion, and update in current address details of the party
DS0008	Previous Address	obpyRetAmendPreviousAddr	Event notification for amendment including addition, deletion, and update in current previous details of the party
DS0009	ID Details	obpyRetAmendIDDetails	Event notification for amendment including addition, deletion, and update in identity details of the party
DS0010	Tax Declaration	obpyRetAmendTax	Event notification for amendment including addition, deletion, and update in tax details of the party
DS0012	Household Relationship	obpyRetAmendHouseholdRel	Event notification for amendment in party-to-party relationship of the party for household relationships such as father, mother, daughter etc.
DS0013	Power or Attorney Relationship	obpyRetAmendPowerRel	Event notification for amendment including addition, deletion and update in party-to-party relationship of the party for power of attorney relationships
DS0014	Service Member Relationship	obpyRetAmendServiceMemRel	Event notification for amendment including addition, deletion and update in party-to-party relationship of the party for service member relationships
DS0015	Related to Insider Relationship	obpyRetAmendInsiderRel	Event notification for amendment including addition, deletion and update in party-to-party relationship of the party for service member relationships
DS0016	Guardian Relationship	obpyRetAmendGuardianRel	Event notification for amendment including addition, deletion and update in party-to-party relationship of the party for guardian relationships
DS0017	Educational Qualification	obpyRetAmendEducation	Event notification for amendment in educational qualification of the party
DS0019	Employment	obpyRetAmendEmployment	Event notification for amendment in employment details of the party

Table 1-4 (Cont.) List of Amendment Events (Topic Name)

DATA SEGMENT NUMBER	DATA SEGMENT	TOPIC NAME (RETAIL EVENT)	DESCRIPTION
DS0020	Assets	obpyRetAmendAsset	Event notification for amendment in asset details of the party
DS0021	Visa Details	obpyRetAmendVisa	Event notification for amendment in tax details of the party
DS0022	Dates	obpyRetAmendKeyDate	Event notification for amendment including addition, deletion, and update of important dates of the party such as anniversary date, household birthday date etc.
DS0023	Supporting Documents	obpyRetAmendDocuments	Event notification for amendment including addition, deletion, and update of supporting documents of the party
DS0024	Signatures	obpyRetAmendSignature	Event notification for amendment including addition, deletion, and update of signature of the party
DS0026	Consent Details	obpyRetAmendConsent	Event notification for amendment in consent and preferences details of the party including e-sign, marketing and communication, privacy information, minor consent details.
DS0028	Additional Information	obpyRetAmendAdditionalInfo	Event notification for amendment in additional details of the party including Insider, special needs, politically exposed person, and armed forces details
DS0029	Membership and Association	obpyRetAmendMembership	Event notification for amendment in membership and association with other institutions of the party
DS0030	Income	obpyRetAmendIncome	Event notification for amendment in income details of the party
DS0032	Beneficially Owned Company	obpyRetAmendBeneficiallyOwnedCompany	Event notification for amendment in beneficially owned company relationships of the party
DS0060	Liabilities	obpyRetAmendLiability	Event notification for amendment in liabilities details of the party
DS0061	Expense	obpyRetAmendExpense	Event notification for amendment in expense details of the party
DS0062	Other Relationship	obpyRetAmendOtherFinanceRel	Event notification for amendment in relationship with other financial institution of the party

Avro Format

```
{
  "namespace": "avro.oracle.fsgbu.plato.eventhub.events",
  "name": "ObpyRetAmendGenerated",
  "type": "record",
  "fields" :
  [
    { "name": "applicationNumber", "type": "string"},
    { "name": "branchCode", "type":["null","string"]}
  ]
}
```

```

    {"name": "userId", "type": ["null", "string"]},
    {"name": "partyId", "type": "string"},
    {"name": "externalCustomerId", "type": "string"},
    {"name": "eventType", "type": "string"},
    {"name": "handoffStatus", "type": "string"},
    {"name": "sourceProductId", "type": "string"},
    {"name": "datasegmentCode", "type": "string"},
    {"name": "amendDateTime", "type": "string"},
    {"name": "applicationDate", "type": "string"}
  ]
}

```

Request Header

Content-Type:application/json

Accept:application/json

userId:xxxxx

branchCode:000

authToken:token

entityId:DEFAULTENTITY

applicationNumber:xxxxx

partyId:xxxxx

handoffStatus:SUCCESS

externalCustomerId:xxxxx

appld:PRTONB

sourceProductId:OBPY

datasegmentCode:DS0003,DS0004,DS0005,DS0008,DS0009,DS0010,DS0011,DS0012,DS0013,DS0014,DS0015,DS0016,DS0017,DS0018,DS0019,DS0020,DS0021,DS0022,DS0023,DS0024,DS0025,DS0026,DS0027,DS0029,DS0053,DS0054,DS0055,DS0056,DS0057,DS0052,DS0030,DS0031,DS0032,DS0033,DS0034,DS0035,DS0036,DS0037,DS0038,DS0039,DS0040,DS0041,DS0042,DS0043,DS0044,DS0045,DS0051,DS0058,DS0059,DS0060

Sample Event

```

{"applicationNumber": "xxxxx", "branchCode": "000", "userId": "xxxxx", "partyId": "xxxxx",
"externalCustomerId": "xxxxx", "eventType": "amend", "handoffStatus": "SUCCESS",
sourceProductId:OBPY, "datasegmentCode": "DS0021", "amendDateTime":
"2023-10-05T10:43:48.381537600", "applicationDate": "2020-03-26"}

```

Event Attribute

Table 1-5 Event Attribute

Attribute	Description
applicationNumber	Application number of the amendment.
branchCode	Branch Code, where party is onboarded using Oracle Banking Party Management application.

Table 1-5 (Cont.) Event Attribute

Attribute	Description
userId	User ID of the user, who is onboarding party using Oracle Banking Party Management application.
partyId	Unique Party ID generated by Oracle Banking Party Management.
externalCustomerId	Customer Identification number generated by external system, in case party information is handed off to external systems/backend system. Else, Party ID generated by Oracle Banking Party Management.
eventType	Type of Event.
handoffStatus	Hand off status of party information to host/core such as Success, Failure, etc.
sourceProductId	Transaction initiation source product ID such as Oracle Banking Party Management.
datasegmentCode	Data Segment Code.
amendDateTime	Date and Time of Amendment.
applicationDate	Date of Application.

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