

**Oracle Financial Services
Enterprise Case Management**

API Services Guide

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October 2021

ORACLE
Financial Services

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1 Preface

This preface provides supporting information for the Oracle Financial Services Enterprise Case Management Application Pack (OFS ECM) API Services.

Topics:

- [Purpose of this Document](#)
- [Intended Audience](#)
- [Related Documents](#)

1.1 Purpose of this Document

This document contains the API services information for Oracle Financial Services Enterprise Case Management Application Pack. This API Services Guide aims to provide information about the REST APIs for ECM.

This guide assumes that the audience has technical and functional expertise in using and working with REST APIs. This document does not teach REST concepts.

1.2 Intended Audience

This document is intended for users of OFS ECM. You must be able to utilize the API service to populate events generated from an in-house application or any other third-party monitoring system.

1.3 Related Documents

This section identifies additional documents related to OFS ECM. You can access these documents from the Documentation Library ([OHC](#)).

- [Oracle Financial Services Enterprise Case Management Installation Guide](#)
- [Oracle Financial Services Enterprise Case Management User Guide](#)
- [Oracle Financial Services Enterprise Case Management Admin Guide](#)

2 Overview

OFS ECM API is an event and case creation service which helps you to populate the events which are identified in your source systems into the OFS ECM layer. In transaction monitoring systems, events are generated using various scenarios through batches. Then, the generated events are processed further and cases are created. This whole process takes time. There may be some outliers for which a case can be created or extended to an existing case. This service helps users avoid the lengthier process of transaction monitoring systems.

Also, these API services help Analysts to create the ad hoc events if they come across any negative news on a customer or some other external incidents for an interested party for further investigation.

NOTE These services are available from ECM 8.0.6.0.1 release.

2.1 Process Flow

Figure 1 shows the process flow of how to use services.

Figure 1: Process Flow

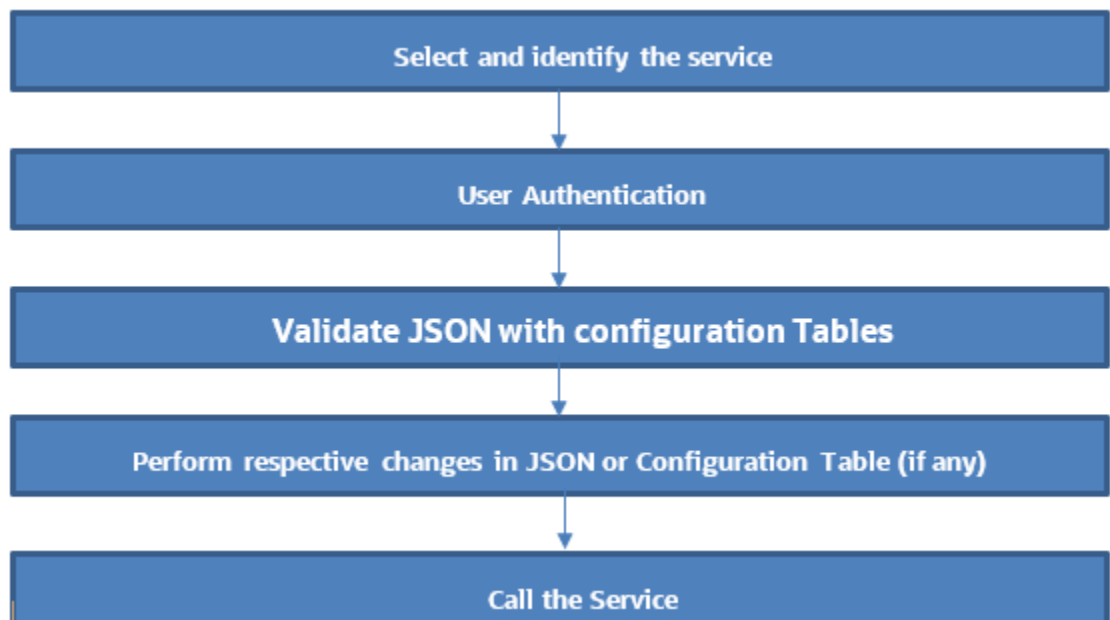


Table 1 provides additional information and links to specific documentation for each task in the flowchart.

Table 1: Task Details

| Task | Details and Documentation |
|--|---|
| Select and identify the service | Select and identify the service which serves your purpose from the list of services. For more information, see Types of Services. |
| User Authentication | Identify the ECM user to use the service. User credentials must be set in the BASIC AUTH HEADER of the service request. |
| Validate JSON with configuration Tables | Compare the sample JSON with your required configuration. If it matches, then it can be used. Otherwise, it must be modified. |
| Perform respective changes in JSON or Configuration Table (if any) | Identify the necessary columns and add missing information to the configuration table as required. The columns added must be mapped back to the JSON. For more information, see Services. |
| Calling the Service | The Service is called using any REST Client. |

2.2 Types of Services

The following services are supported:

- **Create Event:** This service saves the event generated in the source system to the consolidation layer. The saved event is available for correlation when the next batch is triggered.
- **Create Event and Create New Case:** This service creates a new case for the event generated from the source system. For example, if an event is created for a customer in the Customer Screening application, on triggering this service, a case is created for the event on the ECM layer.
- **Create Event and Extend to Existing Case:** This service links a generated event to an existing case mentioned in the service. For example, an event generated in AML, which is related to another event for which a case is already created in ECM. On triggering this service, the new event is added to the existing case.

3 Prerequisites

The following are prerequisites for using the API services:

1. ECM setup must be installed.
2. Appropriate User privileges to access the services.
3. Technical and functional knowledge to understand and execute the REST APIs and configuration knowledge.
4. Knowledge of REST concepts, JSON, and browser-based REST client.
5. Prior knowledge of REST programming is required to understand the examples, samples, scenarios, and reference sections.
6. Knowledge of the ECM Data model.

4 Configuring Tables

- NOTE** This section applies only to the following API Services
- Create Event
 - Create Event and Promote to Case
 - Create Event and Extend to Existing Case

You must configure specific tables to populate and save events on the Consolidation and Case layers. By configuring these tables, you will get the flexibility to select which data (such as Evented Entity and Entity details) should be saved. The Oracle client can configure these tables before utilizing the API service. The following tables must be configured:

- FCC_RT_EVENT_ENTITY_TABLES
- FCC_RT_EVENT_ENTITY_TABLES_COL
- FCC_RT_EVENTTYPE_PTC
- FCC_RT_EVENTTYPE_PTC_QUERIES
- FCC_RT_EVNTTYP_CORRELATION_MAP
- FCC_CORRELATION_CASE_TYPE_MAP

The following sections describe these tables.

4.1 FCC_RT_EVENT_ENTITY_TABLES

This table stores entities that the service accepts. For example, if this table has entries for only entities such as Account and Customer, then the API service will accept only events generated which have a focus on Account and Customer.

| Column Name | Description |
|-----------------------------|--|
| N_ENTITY_TYPE_ID | Entity Type unique ID. |
| V_ENTITY_TYPE | Entity type name. It should be the same as what is sent in the JSON. For example, Customer, Account, and so on. |
| V_EVENTED_TABLE_NAME | Name of the entity evented table where evented data is stored. |
| V_ENTITY_TABLE_NAME | Name of the corresponding CA business table name. For example, FCC_CUST. |
| V_ENTITY_LOOK_UP_TABLE_NAME | Name of the entity lookup table. |
| IS_LOOK_UP_PER_REQD | Determines if the entity details are required to copy to the entity lookup table. You can set this to Y or N. If flag is Y, then it will update the corresponding entity lookup tables. If you are adding a new entity and this flag is Y, then it will check the newly added entity in the lookup table and will not update it in the table if it is a duplicate. |

| Column Name | Description |
|------------------------|---|
| IS_ENTI_PER_REQD | Determines if the entity details are required to copy to the entity table. You can set this to Y or N. If this flag is N, then entity information at the time of event generation will not be updated to the corresponding entity tables. |
| IS_EVENT_PER_REQD | Determines if the entity details are required to copy to the event table. That is, you can choose in which table data is to be populated. You can set this to Y or N. If this flag is N, then entity information at time of event generation will not be updated to the corresponding event tables. |
| V_LOOKUP_SEQUENCE_NAME | Sequence name to SKey generation of the lookup. This is required if lookup persistence is required. You can find the sequence from the Sequences (CM_CUST_SEQ) option on the left panel of the database. |

4.2 FCC_RT_EVENT_ENTITY_TABLES_COL

This table maps the lookup, evented, and business entity information required to be captured for the respective entities, that is, the columns of the lookup, evented, and business entities that are required on the JSON. The mapping must match the data accepted in the relevant entity tables.

| Column Name | Description |
|---------------------|--|
| N_ENTITY_TYPE_ID | Sequence ID of the entity. It must be the same as defined in the FCC_RT_EVENT_ENTITY_TABLES table. |
| V_TABLE_NAME | Table name for the entity which is given in the FCC_RT_EVENT_ENTITY_TABLES table. |
| V_COL_BUSINESS_NAME | Business name of the entity attribute. |
| V_COL_NAME | Column name of the entity attribute. |
| V_DATA_TYPE | Data type of the entity attribute. |
| V_COL_TYPE | Column type of the entity attribute. |
| V_IS_SURROG_KEY | Defines the surrogate key. |

4.3 FCC_RT_EVENTTYPE_PTC

This table maps the case type and corresponding T2T query IDs that must be triggered during case creation or case extension. These queries are triggered only if the service triggered is required to create or extend a case.

| Column Name | Description |
|-------------|--|
| V_CASE_TYPE | The type of the case. For example, AML_DD |
| N_SEQUENCE | Order in which the queries should run for the corresponding case type. |

| Column Name | Description |
|-------------|---|
| V_T2T_CODE | Code name of the corresponding T2T query. |

4.4 FCC_RT_EVENTTYPE_PTC_QUERIES

This table stores T2T queries against corresponding T2T codes. Queries are triggered on a case service call, but only the queries mapped to the case type for which the event is triggered will be called.

| Column Name | Description |
|-------------|---|
| V_T2T_CODE | Code name of the corresponding T2T query. |
| C_T2T_QUERY | T2T query which populates data to the ECM tables. |

4.5 FCC_RT_EVNTTYP_CORRELATION_MAP

This table maps the event type to the correlation rule, so the case generated through the service will be of case type (AML_SURV, CS_SAN, and so on) to which the correlation rule is mapped. For example, Correlation rule 1 is mapped to case type AML_SURV. If the ingesting AML event has to generate a case type of AML_SURV, the entry must be passed in this table mapping event type and correlation rule.

| Column Name | Description |
|-------------------------|---|
| N_EVENT Type | The type of event used for correlation. |
| N_CORRELATION_RULE_SKEY | This is the correlation rule unique Identification number. The value of N_CORRELATION_RULE_SKEY column (rule number) should be the same as defined in the FCC_CORRELATION_RULE table. |

4.6 FCC_CORRELATION_CASE_TYPE_MAP

This table maps the correlation rule with the case type, so cases created through this correlation rule will be all of the given case type (for more information on how to design the case type, see the [Oracle Financial Services Enterprise Case Management Admin Guide](#)).

| Column Name | Description |
|-------------------------|---|
| V_CASE_TYPE | This is the type of case. |
| N_CORRELATION_RULE_SKEY | This is the correlation rule unique Identification number. The value of N_CORRELATION_RULE_SKEY column (rule number) should be same as defined in the FCC_CORRELATION_RULE table. |

5 Use Cases for Configuring Tables

NOTE This section applies only to the following API Services

- Create Event
- Create Event and Promote to Case
- Create Event and Extend to Existing Case

You can use the following scenarios to understand the services. Before modifying the JSON, you must configure the tables with appropriate values.

[Adding an Entity](#) and [Adding Persistence to an Entity](#) use cases explain how to add a new entity in FCC_RT_EVENT_ENTITY_TABLES.

[Adding an Entity](#), [Adding Persistence to an Entity](#), and [Adding PTC for Entity](#) use cases explain how to use the Create Event service.

[Adding an Entity](#), [Adding Persistence to an Entity](#), and [Adding PTC for Entity](#), and [Adding an Event Type](#) to Correlation Map use cases explain how to create Event and Attach to Existing Case.

Adding an Event Type to Correlation Map use case explains how to map an event type to correlation rule.

This section includes the following topics:

- [Adding an Entity](#)
- [Adding Persistence to an Entity](#)
- [Adding PTC for Entity](#)
- [Adding an Event Type to Correlation Map](#)

5.1 Adding an Entity

To add an entity, follow these steps:

1. Add a new entry in the FCC_RT_EVENT_ENTITY_TABLES table, as shown in the following example:

| N_ENTIT Y_TYPE_ ID | V_ENTI TY_TY PE | V_EVENTED _TABLE_NA ME | V_ENTITY_ TABLE_NA ME | V_ENTITY_LOO K_UP_TABLE_N AME | IS_LOOK_ UP_PER_R EQD | IS_ENTI _PER_RE QD | IS_EVEN T_PER_R EQD | V_LOOKUP_S EQUENCE_N AME |
|--------------------------|-----------------------|------------------------------|-----------------------------|-------------------------------------|-----------------------------|--------------------------|---------------------------|--------------------------------|
| 102 | ECM_C USTOM ER | FCC_CUST_ EVNT | FCC_CUST | FCC_CUSTOME R_LOOKUP | Y | Y | Y | |

Oracle recommends setting the flag to Y for IS_LOOK_UP_PER_REQD and IS_EVENT_PER_REQD columns. V_ENTITY_TABLE_NAME table names must be the same as mentioned in the backend ECM data model.

2. Add the evented details in the FCC_RT_EVENT_ENTITY_TABLES_COL table for the newly added entity, as shown in the following example:

| N_ENTITY_TYPE_ID | V_TABLE_NAME | V_COL_BUSINESS_NAME | V_COL_NAME | V_DATA_TYPE | V_COL_TYPE | V_IS_SURROG_KEY |
|------------------|----------------|---------------------|---------------|-------------|------------|-----------------|
| 102 | FCC_CUST_EVENT | custId | CUST_INTRL_ID | CHAR | | |

Here, the entry in the V_TABLE_NAME column must be the same as either the V_EVENTED_TABLE_NAME, V_ENTITY_TABLE_NAME, or V_ENTITY_LOOK_UP_TABLE_NAME column of the FCC_RT_EVENT_ENTITY_TABLES table.

5.2 Adding Persistence to an Entity

For the FCC_RT_EVENT_ENTITY_TABLES table, the following scenarios are possible:

- If the IS_LOOK_UP_PER_REQD, IS_ENTI_PER_REQD, and IS_EVENT_PER_REQD columns are set to Y, then the corresponding Entity and Event tables will be populated after lookup.

| N_ENTITY_TYPE_ID | V_ENTITY_TYPE | V_EVENTED_TABLE_NAME | V_ENTITY_TABLE_NAME | V_ENTITY_LOOK_UP_TABLE_NAME | IS_LOOK_UP_PER_REQD | IS_ENTI_PER_REQD | IS_EVENT_PER_REQD | V_LOOKUP_SEQUENCE_NAME |
|------------------|---------------|----------------------|---------------------|-----------------------------|---------------------|------------------|-------------------|------------------------|
| 102 | ECM_CUSTOMER | FCC_CUST_EVNT | FCC_CUST | FCC_CUSTOMER_LOOKUP | Y | Y | Y | |

- If the IS_LOOK_UP_PER_REQD and IS_EVENT_PER_REQD columns are set to Y, then the corresponding Event tables will be populated after lookup. If the IS_ENTI_PER_REQD column is set to N, then the UI may not display the correct data.

| N_ENTITY_TYPE_ID | V_ENTITY_TYPE | V_EVENTED_TABLE_NAME | V_ENTITY_TABLE_NAME | V_ENTITY_LOOK_UP_TABLE_NAME | IS_LOOK_UP_PER_REQD | IS_ENTI_PER_REQD | IS_EVENT_PER_REQD | V_LOOKUP_SEQUENCE_NAME |
|------------------|---------------|----------------------|---------------------|-----------------------------|---------------------|------------------|-------------------|------------------------|
| 102 | ECM_CUSTOMER | FCC_CUST_EVNT | FCC_CUST | FCC_CUSTOMER_LOOKUP | Y | N | Y | |

5.3 Adding PTC for Entity

To add PTC for an entity, follow this step:

Add a new entry in the FCC_RT_EVENTTYPE_PTC table. Before adding the entries in the FCC_RT_EVENTTYPE_PTC table, populate the FCC_RT_EVENT_ENTITY_TABLES and FCC_RT_EVENT_ENTITY_TABLES_COL tables.

When a case type is added, the corresponding KDD_CASE tables will be populated.

The following example shows how to add new entries:

| V_CASE_TYPE | N_SEQUENCE | V_T2T_CODE |
|-------------|------------|------------------------------|
| AML_DD | 1 | t2t_KDD_CASE_ACCOUNTS |
| AML_DD | 2 | t2t_KDD_CASE_CUSTOMERS |
| AML_DD | 3 | t2t_KDD_CASE_INSTN_MASTER |
| AML_DD | 4 | t2t_KDD_CASE_CLIENT_BANK |
| AML_DD | 5 | t2t_KDD_CASE_EXTERNAL_ENTITY |

5.4 Adding an Event Type to Correlation Map

To add an event type to the correlation map, follow this step:

Add a new entry in the FCC_RT_EVNTTYP_CORRELATION_MAP table, as shown in the following example:

| N_CORRELATION_RULE_SKEY | V_EVENT_TYPE |
|-------------------------|--------------|
| 12 | AML_SURV |

6 Services

The following services are available:

- [Create Event](#)
- [Create Event and Promote to Case](#)
- [Create Event and Extend to Existing Case](#)

6.1 Create Event

This service saves the event generated in the source system to the consolidation layer. The saved event will be available for correlation when the next batch is triggered.

The following topics explain how to configure and use the Create Events in JSON.

- [HTTP Link](#)
- [Service Type](#)
- [Request Parameters](#)
- [Request JSON Sample](#)
- [Response Parameters](#)
- [Response JSON Sample](#)

6.1.1 HTTP Link

[http:// <Application URL>/rest-api/CMRestService/RealTimeCaseCreationService/saveEvents](http://<Application URL>/rest-api/CMRestService/RealTimeCaseCreationService/saveEvents)

6.1.2 Service Type

The service type is POST.

6.1.3 Request Parameters

The following table describes the details of the parameters.

| First Level | Second Level | Third Level | Details |
|-------------|--------------|-------------|---|
| events | | | This accepts basic information of the Event. |
| events | eventCode | | This accepts event ID information. |
| events | eventScore | | This accepts information about the event score. |

| First Level | Second Level | Third Level | Details |
|-------------|------------------|-------------|--|
| events | dataOrigin | | This accepts information about the Data Origin of the event. It stores the source system from where data is extracted. |
| events | jurisdictionCode | | This accepts information about the Jurisdiction code of the event. It represents geographic or legal entity monitoring or data restrictions. |
| events | businessDomain | | This accepts information about the Business Domain of the event. Business Domain represents the operational data restrictions (that is, potential Chinese walls between business units). |
| events | type | | This accepts information about the 'Type' of the event. For example, AML, KYC, and so on. |
| events | priority | | This accepts information about the 'Priority' of the event. It is the Priority of the Event and the risk it poses to a customer or an institution. low, medium, high |
| events | scenarioClass | | This accepts information about the 'Scenario Class' of the event. For example, ML, FR, and so on. |
| events | comments | | This accepts the additional comments provided, which are related to the generated Event, and details of the event or assignment that led to the creation of an external event that is formatted for display. |
| events | entities | | This is a second-level tag under JSON. It accepts basic information-related event and entity mapping. |

| First Level | Second Level | Third Level | Details |
|-------------|--------------|--------------------------|---|
| events | entities | entityCode | This accepts the entity code of the entity. It is the Entity identifier on whom the event is generated from the external system. It can be alphanumeric. For Example, Customer identifier, Account identifier on whom the event is generated. |
| events | entities | entityType | This accepts the entity type of the entity. For example, Account, Customer, Employee, External_Entity, and Household. |
| events | entities | entityTypeCode | This accepts the entity type code of the entity. |
| events | entities | entityName | This accepts the name of the entity. |
| events | entities | focusFlag | This accepts whether the entity is the Primary Focus of the event or not. List of Values are Y or N. Only one entity of an event will have the value of Y. All others will have N. |
| events | entities | actId | This accepts the account internal ID of the Account. |
| events | entities | genericEntityInformation | This accepts the generic entity information in the form of a JSON value. Note that a generic entity can never be a focal entity. Hence, there must be some other entity also specified in the entity array, which is the focal entity for the event. For more samples, see Appendix A . |
| events | details | | This is a second-level tag under JSON. It accepts additional details related to the event. |
| events | details | reason | This accepts event highlights. |
| events | details | scenarioName | This accepts the event scenarioName. |

| First Level | Second Level | Third Level | Details |
|-------------|--------------|--------------------|--|
| events | bindings | bindingName | This accepts the event binding name. |
| events | bindings | bindingActualValue | This accepts the actual binding value. |
| events | bindings | bindingBaseValue | This accepts the binding base value. |
| events | bindings | bindingType | This accepts the binding type. |

6.1.4 Request JSON Sample

This section contains a request JSON sample for creating events.

The entries in this sample are only for reference purposes.

```
{
    "events": [{
        "eventCode": "09875456",
        "eventScore": "",
        "dataOrigin": "DLY",
        "jurisdictionCode": "AMEA",
        "businessDomain": "c",
        "type": "AML_SURV",
        "priority": "",
        "scenarioClass": "AML",
        "comments": "",
        "entities": [{
            "entityCode":
"XXXACFTNEXTENAC-123007",
            "entityType": "ACCOUNT",
            "entityTypeCode":
"ECM_ACCOUNT",
            "entityName": "BARRY",
            "focusFlag": "Y",
            "actId": "XXXACFTNEXTENAC-
123007"
        }],
        "genericEntityInformation": {
            "Customer Details": {
```

```

        "Victim Name": "ABC XYZ",
        "Victim SSN": "123-12-1234",
        "Phone Number": "123-123-1234"
    },
    "Enterprise Customer Complaint": {
        "Was a complaint filed": "No"
    },
    "Incident Details": {
"Incident Type": "Fradulent Transaction",
        "Account Type": "Consumer",
        "Market": "Southwest Mumbai"
    }
    }
}],

        "details": [{
            "reason": "INR2000
Suspicious Transaction to Terror Outfits",
            "scenarioName": "User
Defined Event"
        }],
        "bindings": [{
            "bindingName":
"Effectv_Risk_Lvl",
            "bindingActualValue": "50",
            "bindingBaseValue": "5",
            "bindingType": ""
        }
    ]
}],
    "entities": [{
        "entityCode": "XXXACFTNEXTENAC-123007",
        "entityType": "ACCOUNT",
        "jurisdiction": "AMEA",
        "entityTypeCode": "ECM_ACCOUNT",
        "entityName": "BARRY",
        "actId": "XXXACFTNEXTENAC-123007",
        "dataOrigin": "DLY",
        "accName": "BARRY",
    }
    ]
}

```

```

        "types": "SAV",
        "registration": "IND",
        "ownerType": "",
        "status": "A",
        "branch": "BRANCH-001",
        "taxCode": "N",
        "householdGroupId": "",
        "pimeBroker": "N",
        "taxId": "T",
        "firmId": "MANTAS",
        "legalEntity": "BGMC_ACCT_001",
        "statusEffective": "31-12-2014 00:00:00",
        "lastActivity": "30-11-2015 00:00:00",
        "openData": "31-12-2014 00:00:00",
        "closeDate": ""
    }
}
}

```

6.1.5 Response Parameters

The following table describes the details of the response parameters.

| First Level | Details |
|-------------|--|
| Message | Displays the message of service execution. |
| Status | Displays the status as Success or Fail. |
| Event Id(s) | Displays all Event IDs that were passed in the request JSON. Will show multiple event IDs if more than one was passed in input JSON. |

6.1.6 Response JSON Sample

This section contains a response JSON sample for creating events.

The entries in this sample are only for reference purposes.

```

{
  "MESSAGE": "Events are saved successfully.",
  "STATUS": "SUCCESS",
  "Event Id(s)": "09875456"
}

```

6.2 Create Event and Promote to Case

This service creates a new case for the event generated from the source system. For example, if an event is created for a customer in the Customer Screening application, on triggering this service, a case is created for the event on the ECM layer.

The defaulted priority for the cases created through the Real Time Case Creation service will be Low. The system will not determine the priority of the cases created through the service based on the Case Priority configuration.

Due date is updated when a case is created using a real-time API.

The following topics explain how to configure and use the Create Event and Promote to Case service in JSON:

- [HTTP Link](#)
- [Service Type](#)
- [Request Parameters](#)
- [Request JSON Sample](#)
- [Response Parameters](#)
- [Response JSON Sample](#)

6.2.1 HTTP Link

[http:// <Application URL>/restapi/CMRestService/RealTimeCaseCreationService/saveEventsAndPromoteToCase](http://<Application URL>/restapi/CMRestService/RealTimeCaseCreationService/saveEventsAndPromoteToCase)

6.2.2 Service Type

The service type is POST.

6.2.3 Request Parameters

The following table describes the details of the parameters.

| First Level | Second Level | Third Level | Details |
|-------------|--------------|-------------|--|
| events | | | This accepts basic information about the Event. |
| events | eventCode | | This accepts event ID information. |
| events | eventScore | | This accepts information about the event score. |
| events | dataOrigin | | This accepts information about the Data Origin of the event. It stores the source system from where data is extracted. |

| First Level | Second Level | Third Level | Details |
|-------------|------------------|-------------|--|
| events | jurisdictionCode | | This accepts information about the Jurisdiction code of the event. It represents geographic or legal entity monitoring or data restrictions. |
| events | businessDomain | | This accepts information about the Business Domain of the event. Business Domain represents the Customer's operational data restrictions (that is, potential Chinese walls between business units). |
| events | type | | This accepts information about the 'Type' of the event. For example, AML, KYC, and so on. |
| events | priority | | This accepts information about the 'Priority' of the event. It is the Priority of the Event and the risk it poses to a customer or an institution. List of values: Low Medium High |
| events | scenarioClass | | This accepts information about the 'Scenario Class' of the event. For example, ML, FR, and so on. |
| events | comments | | This accepts the additional comments provided, which are related to the generated Event, and details of the event or assignment that led to the creation of an external event that is formatted for display. |
| events | entities | | This is a second-level tag under JSON. It accepts basic information-related event and entity mapping. |

| First Level | Second Level | Third Level | Details |
|-------------|--------------|--------------------------|--|
| events | entities | entityCode | This accepts the entity code of the entity. It is the Entity identifier on whom the event is generated from the external system. It can be alphanumeric. For Example, The Customer identifier or Account identifier on whom the event is generated. |
| events | entities | entityType | This accepts the entity type of the entity. For Example, Account, Customer, Employee, External_ Entity, and Household. |
| events | entities | entityTypeCode | This accepts the entity type code of the entity. |
| events | entities | entityName | This accepts the name of the entity. |
| events | entities | focusFlag | This accepts whether the entity is the Primary Focus of the event or not. List of Values are Y or N. Only one entity of an event will have the value of Y. All others will have N. |
| events | entities | actId | This accepts the account internal ID of the Account. |
| events | entities | genericEntityInformation | This accepts the generic entity information in the form of a JSON value. Note that a generic entity can never be a focal entity. Hence, there must be some other entity also specified in the entities array which is the focal entity for the event. For more samples, see Appendix A . |
| events | details | | This is a second-level tag under JSON. It accepts additional details related to the event. |
| events | details | reason | This accepts event highlights. |
| events | details | scenarioName | This accepts the event scenarioName. |
| events | bindings | bindingName | This accepts the event binding name. |
| events | bindings | bindingActualValue | This accepts the actual binding value. |

| First Level | Second Level | Third Level | Details |
|--------------|--------------|------------------|--|
| events | bindings | bindingBaseValue | This accepts the binding base value. |
| events | bindings | bindingType | This accepts the binding type. |
| casePriority | | | This accepts the priority of the case. |

6.2.4 Request JSON Sample

This section contains a Request JSON sample for creating an event and promote to case.

The entries in this sample are only for reference purposes.

```
{
  "events": [{
    "eventCode": "655867843",
    "eventScore": "",
    "dataOrigin": "DLY",
    "jurisdictionCode": "AMEA",
    "businessDomain": "a",
    "type": "AML_SURV",
    "priority": "",
    "scenarioClass": "AML",
    "comments": "",
    "entities": [{
      "entityCode": "1412",
      "entityType": "CLIENT_BANK",
      "entityTypeCode":
"ECM_CLIENT_BANK",
      "entityName": "JADEJ",
      "focusFlag": "Y",
      "actId": "XXXACFTNEXTENAC-
123007"
    }
  ]
}
{
  "genericEntityInformation": {
    "Customer Details": {
      "Victim Name": "ABC XYZ",
      "Victim SSN": "123-12-1234",
      "Phone Number": "123-123-1234"
    }
  }
}
```

```

        },
        "Enterprise Customer
        Complaint": {
            "Was a complaint filed?": "No"
        },
        "Incident Details": {
            "Incident Type": "Fradulent Transaction",
            "Account Type": "Consumer",
            "Market": "Southwest Mumbai"
        }
    }
}],

        "details": [{
"reason": "INR7890 TEST - CORRESPONDENT BANK",
"scenarioName": "User Defined
Event"

        }]
    },
    "entities": [{
        "entityCode": "1412",
        "entityType": "CLIENT_BANK",
        "entityTypeCode": "ECM_CLIENT_BANK",
        "entityName": "JADEJ",
        "instId": "HSINDI-001",
        "instTypeCd": "BIC",
        "dataOrigin": "DLY",
        "city": "",
        "country": "",
        "postalCode": "",
        "state": "",
        "address": "",
        "instituteCountry": "",
        "instituteName": "JADEJ",
        "largeInstitution": "N",
        "selfInstitution": "N"
    }, {
        "skey": "1412",

```

```

        "entityType": "CLIENT_BANK",
        "entityTypeCode": "ECM_CLIENT_BANK_SEC",
        "dataOriginCb": "DLY",
        "cbEfctvRiskNb": "0",
        "cbListSrcCd": "",
        "cbMatchTx": "",
        "busUnitCd": "",
        "acctMgrNm": "",
        "lastActDate": "31-12-2014 00:00:00",
        "cbListRiskNb": "0",
        "cbMatchTypecd": "",
        "instSeqId": "102",
        "jurisdiction": "AMEA",
        "busList": "a"
    }
}
"casePriority": "High"
}

```

6.2.5 Response Parameters

The following table describes the details of response parameters.

| First Level | Details |
|-------------|--|
| CaseId | Displays the case ID. |
| Message | Displays the message of service execution. |
| Status | Displays the status as Success or Fail. |
| Event Id(s) | Displays all Event IDs that were passed in the request JSON. Will show multiple event IDs if more than one was passed in input JSON. |
| CaseType | Displays the type of case. |

6.2.6 Response JSON Sample

This section contains a Response JSON sample for creating an event and promoting to case.

The entries in this sample are only for reference purposes.

```

{
  "caseId": "CA354",
  "message": "Events are saved successfully and promoted to case ",
  "status": "SUCCESS",

```

```

    "Event Id(s)": "655867843",
    "caseType": "AML_SURV"
  }

```

6.3 Create Event and Extend to Existing Case

This service links a generated event to an existing case mentioned in the service. For example, an event generated in AML that is related to another event for which a case is already created in ECM. On triggering this service, the new event will be added to the existing case.

The following topics explain how to configure and use the Create Event and attach it to an existing Case service in JSON:

- [HTTP Link](#)
- [Service Request](#)
- [Request Parameters](#)
- [Request JSON Sample](#)
- [Response Parameters](#)
- [Response JSON Sample](#)

6.3.1 HTTP Link

[http:// <Application URL>restapi/CMRestService/RealTimeCaseCreationService/saveEventsAndExtendToCase](http://<Application URL>restapi/CMRestService/RealTimeCaseCreationService/saveEventsAndExtendToCase)

6.3.2 Service Type

The service type is POST.

6.3.3 Request Parameters

The following table describes the details of the parameters.

| First Level | Second Level | Third Level | Details |
|-------------|--------------|-------------|--|
| events | | | This accepts basic information about the Event. |
| events | eventCode | | This accepts event ID information. |
| events | eventScore | | This accepts information about the event score. |
| events | dataOrigin | | This accepts information about the Data Origin of the event. It stores the source system from where data is extracted. |

| First Level | Second Level | Third Level | Details |
|-------------|------------------|-------------|---|
| events | jurisdictionCode | | This accepts information about the Jurisdiction code of the event. It represents geographic or legal entity monitoring or data restrictions. |
| events | businessDomain | | This accepts information about the Business Domain of the event. Business Domain represents the operational data restrictions (that is, potential Chinese walls between business units). |
| events | type | | This accepts information about the 'Type' of the event. For example, AML, KYC, and so on. |
| events | priority | | This accepts information about the 'Priority' of the event. It is the Priority of the Event and the risk it poses to a customer or an institution. List of values: Low Medium High |
| events | scenarioClass | | This accepts information about the 'Scenario Class' of the event. For example, ML, FR, and so on. |
| events | comments | | This accepts the additional comments provided, which are related to the generated Event, and details of the event or assignment which led to the creation of an external event that is formatted for display. |
| events | entities | | This is a second-level tag under JSON. It accepts basic information-related event and entity mapping. |

| First Level | Second Level | Third Level | Details |
|-------------|--------------|--------------------------|---|
| events | entities | entityCode | This accepts the entity code of the entity. It is the Entity identifier on whom the event is generated from the external system. It can be alphanumeric. For Example, The Customer identifier or Account identifier on whom the event is generated. |
| events | entities | entityType | This accepts the entity type of the entity. For Example, Account, Customer, Employee, External_ Entity, and Household |
| events | entities | entityTypeCode | This accepts the entity type code of the entity. |
| events | entities | entityName | This accepts the name of the entity. |
| events | entities | focusFlag | This accepts whether the entity is the Primary Focus of the event or not. List of Values are Y or N. Only one entity of an event will have the value of Y. All others will have N. |
| events | entities | actId | This accepts the account internal ID of the Account. |
| events | entities | genericEntityInformation | This accepts the generic entity information in the form of a JSON value. Note that a generic entity can never be a focal entity. Hence, there must be some other entity also specified in the entities array, which is the focal entity for the event. For more samples, see Appendix A . |
| events | details | | This is a second-level tag under JSON. It accepts additional details related to the event. |
| events | details | reason | This accepts the event highlights. |
| events | details | scenarioName | This accepts the event scenarioName. |
| events | bindings | bindingName | This accepts the event binding name. |
| events | bindings | bindingActualValue | This accepts the actual binding value. |

| First Level | Second Level | Third Level | Details |
|-------------|--------------|------------------|--------------------------------------|
| events | bindings | bindingBaseValue | This accepts the binding base value. |
| events | bindings | bindingType | This accepts the binding type. |

6.3.4 Request JSON Sample

This section contains a request JSON sample for creating an event and attaching to case:

The entries in this sample are only for reference purposes.

```
{
  "events": [{
    "eventCode": "999979",
    "eventScore": "",
    "dataOrigin": "DLY",
    "jurisdictionCode": "AMEA",
    "businessDomain": "c",
    "type": "AML",
    "priority": "",
    "scenarioClass": "AML",
    "comments": "",
    "entities": [{
      "entityCode": "ACDPGTOTACTAC-010",
      "entityType": "ACCOUNT",
      "entityTypeCode": "ECM_ACCOUNT",
      "entityName": "ELEVENTH",
      "focusFlag": "Y",
      "actId": "ACDPGTOTACTAC-010"
    }
  ]
  "genericEntityInformation": {
    "Bank Details": {
      "Name": "HHHH",
      "Year": 1988,
      "Founder": "ABC XYZ",
    }
  }
}
```

```

"Departments": [{
  "Name": "Credit",
  "Start Year": "1989",
  "Employees": [{
    "Name": "XXX",
    "City": "Bangalore"
  }, {
    "Name": "XXX",
    "City": "Jaipur"
  }]
},
{
  "Name": "Debit",
  "Start Year": "1989",
  "Employees": [{
    "Name": "XXX",
    "City": "Bangalore"
  }, {
    "Name": "XXX",
    "City": "Kandy"
  }]
}
],
},
{
  "Name": "IIII",
  "Year": 1992,
  "Founder": "ABC XYZ",
  "Departments": [{
    "Name": "Credit",
    "Start Year": "1993",
    "Employees": [{
      "Name": "XXX",
      "City": "Mumbai"
    }, {
      "Name": "XXX",
      "City": "Delhi"
    }
  ]
}
}

```



```

    }],
    "details": [{
      "reason": "INR2000 Suspicious Transaction to Terror
      Outfits",
      "scenarioName": "User Defined Event"
    }],
    "bindings": [{
      "bindingName":
      "Effectv_Risk_Lvl",
      "bindingActualValue":
      "50",
      "bindingBaseValue":
      "5",
      "bindingType": ""
    }],
    "entities": [{
      "entityCode": "ACDPGTOTACTAC-
      010",
      "entityType": "ACCOUNT",

```

```

    "entityTypeCode":
"ECM_ACCOUNT",
    "entityName": "ELEVENTH",
    "actId": "ACDPGTOTACTAC-010",
    "dataOrigin": "DLY",
    "accName": "ELEVENTH",
    "types": "INV",
    "registration": "IND",
    "ownerType": "RPT",
    "jurisdiction": "AMEA",
    "status": "A",
    "branch": "BRANCH-001",
    "taxCode": "N",
    "householdGroupId":
"HHSAMPLE00",
    "pimeBroker": "N",
    "taxId": "S",
    "firmId": "",
    "legalEntity":
"BGMC_ACCT_001",
    "statusEffective": "31-12-2014
00:00:00",
    "lastActivity": "",
    "openData": "31-12-2014
00:00:00",
    "closeDate": ""
    "events":[
{
    "eventCode":"153803908863599",
    "eventScore":"",
    "dataOrigin":"DLY",
    "jurisdictionCode":"AMEA",
    "businessDomain":"c",
    "type":"AML",
    "priority":"",
    "scenarioClass":"AML",
    "comments":"",
    "entities":[
        {

```

```
        "entityCode":"CUHRTHRCPHH-002",
        "entityType":"CUSTOMER",
        "entityTypeCode":"ECM_CUSTOMER",
        "entityName":"ANDREW ELEVENTH",
        "jurisdiction" : "AMEA",
        "focusFlag":"Y",
        "custId":"CUHRTHRCPHH-002"
    }
],
"details":[
    {
        "reason":"ffjffjgghgkkkkhhhk",
        "scenarioName":"User Defined Event"
    }
]
}
],
"entities":[
    {
        "entityCode":"CUHRTHRCPHH-002",
        "entityType":"CUSTOMER",
        "entityTypeCode":"ECM_CUSTOMER",
        "entityName":"ANDREW ELEVENTH",
        "jurisdiction" : "AMEA",
        "custId":"CUHRTHRCPHH-002",
        "dataOrigin":"DLY",
        "customerName":"ANDREW ELEVENTH",
        "customerType":"IND",
        "taxID":"TAXHRTHRCPHH-002",
        "legalStructCode":"GOV",
        "aliasName":"",
        "incomeRange":"",
        "industry":"US",
        "publicCompany":"",
        "estNetWorth":"1182552",
        "atmDailyLimit":null,
        "estAnualIncome":"168936",
```

```

        "added": "31-12-2014 00:00:00",
        "incorporationDate": "",
        "customerstatus": "A",
        "effectiverisk": "2",
        "busdomain": "a"
    }
],
    "caseID": "CA115"
}

```

6.3.5 Response Parameters

The following table describes the details of the response parameters.

| First Level | Details |
|-------------|--|
| Message | Displays the message of service execution. |
| Status | Displays the status as Success or Fail. |
| Event Id(s) | Displays all Event IDs that were passed in the request JSON. Will show multiple event IDs if more than one was passed in input JSON. |
| CaseType | Displays the type of case. |

6.3.6 Response JSON Sample

This section contains a response JSON sample for creating an event and attaching to case.

The entries in this sample are only for reference purposes.

```

{
    "message": "Events are saved successfully and promoted to case ",
    "status": "SUCCESS",
    "Event Id(s)": "999979",
    "caseType": "AML_SURV"
}

```

7 Appendix A - Supported JSON Structures for Generic Event Information

NOTE This section applies only to the following API Services

- Create Event
- Create Event and Promote to Case
- Create Event and Extend to Existing Case

This part of the API allows you to add generic event data to any event.

NOTE The entries in these samples are only for reference purposes.

1. Simple JSON with simple Objects (One Level)

```
{
    "Customer Details": {
        "Victim Name": "John Doe",
        "Victim SSN": "123-12-1234",
        "Phone Number": "123-123-1234"
    },
    "Enterprise Customer Complaint": {
        "Was a complaint filed through the Enterprise Customer Complaint?": "Yes"
    },
    "Incident Details": {
        "Incident Type": "Structuring",
        "Account Type": "Consumer",
        "Market": "Southwest Pennsylvania"
    }
}
```

Generic Match Record

Generic Match Record Details

Event ID: ECMRT1583217432360

Generic Entity ID: 1

Customer Details

Victim SSN: 123-12-1234
 Victim Name: John Doe
 Phone Number: 123-123-1234

Enterprise Customer Complaint

Was a complaint filed through the Enterprise Customer Complaint?: Yes

Incident Details

Incident Type: Structuring
 Market: Southwest Pennsylvania
 Account Type: Consumer

2. Simple JSON with one level of Array Object

```
{
  "Customer Details": {
    "Victim Name": "Ajay Devgan",
    "Victim SSN": "123-12-1234",
    "Phone Number": "123-123-1234",
    "Address List": [{
      "Address Type": "Office",
      "Street": "MG Road",
      "City": "Bangalore"
    },
    {
      "Address Type": "Home",
      "Street": "Victoria Road",
      "City": "Mumbai"
    },
    {
      "Address Type": "Branch",
      "Street": "Wuhan Province",
      "City": "Beijing"
    }
  ]
},
  "Enterprise Customer Complaint": {
```

```

    "Complaint?": "Yes"
  },
  "Incident Details": {
    "Incident Type": "Structuring",
    "Account Type": "Consumer",
    "Market": "Southwest Mumbai"
  }
}

```

Generic Match Record

Generic Match Record Details

Event ID: ECMRT1583325598441

Generic Entity ID: 3

Customer Details

Victim SSN: 123-12-1234

Address List

| Address Type | Street | City |
|--------------|----------------|-----------|
| Office | MG Road | Bangalore |
| Home | Victoria Road | Mumbai |
| Branch | Wuhan Province | Beijing |

Victim Name: Ajay Devgan
Phone Number: 123-123-1234

Enterprise Customer Complaint

Was a complaint filed through the Enterprise Customer Complaint?: Yes

Incident Details

Incident Type: Structuring
Market: Southwest Mumbai
Account Type: Consumer

3. Simple Object with Two levels of Array and Second Array being simple String of Values

```

{
  "Car Ownership Details": {
    "Name": "John",
    "Age": 30,
    "Cars": [
      {
        "Name": "Ford",
        "Models": ["Fiesta", "Focus", "Mustang"]
      },
      {
        "Name": "BMW",
        "Models": ["320", "X3", "X5"]
      }
    ]
  }
}

```

```

    "Name": "Fiat",
    "Models": ["500", "Panda"]
  }
]
}

```

Generic Match Record

Generic Match Record Details

Event ID: ECMRT1583325861997

Generic Entity ID: 4

Car Ownership Details

Cars

| Models | Name |
|----------------------|------|
| Fiesta,Focus,Mustang | Ford |
| 320,X3,X5 | BMW |
| 500,Panda | Fiat |

Age: 30
Name: John

4. Simple Object with Two levels of Array and Second Array also consisting of Key Values

```

{
  "Car Branch Details": {
    "Name": "INVENTORY1",
    "Year": 2020,
    "Cars": [{
      "Name": "Ford",
      "Branches": [{
        "Name": "BLR",
        "City": "Bangalore"
      }, {
        "Name": "MLR",
        "City": "Mangalore"
      }]
    }],
  },
  {
    "Name": "Hyundai",
    "Branches": [{

```



```

        "Name": "DEL",
        "City": "Delhi"
      }, {
        "Name": "RJK",
        "City": "Rajkot"
      }
    ]
  }
}

```

Generic Match Record

Generic Match Record Details

Event ID: ECMRT1583328064951

Generic Entity ID: 5

Car Branch Details

Cars

| Branches | | Name |
|-----------|------|---------|
| City | Name | |
| Mangalore | MLR | Ford |
| Rajkot | RJK | Hyundai |

Year: 2020
Name: INVENTORY1

5. Array JSON Object with two levels of Array and Second Array also consisting of key values

```

{
  "Bank Details": [{
    "Name": "HDFC",
    "Year": 1988,
    "Departments": [{
      "Name": "Credit",
      "Employees": [{
        "Name": "Virat",
        "City": "Bangalore"
      }, {
        "Name": "Smith",

```

```

        "City": "Jaipur"
    }
},
{
    "Name": "Debit",
    "Employees": [{
        "Name": "Ricky",
        "City": "Bangalore"
    }, {
        "Name": "Sanath",
        "City": "Kandy"
    }
    ]
},
{
    "Name": "ICICI",
    "Year": 1992,
    "Departments": [{
        "Name": "Credit",
        "Employees": [{
            "Name": "Sachin",
            "City": "Mumbai"
        }, {
            "Name": "Kapil",
            "City": "Delhi"
        }
        ]
    },
    {
        "Name": "Debit",
        "Employees": [{
            "Name": "Steve",
            "City": "Sydney"
        }, {

```

```

    "Name": "Marvan",
    "City": "Colombo"
  }
}
]
}
}

```

Generic Match Record

Generic Match Record Details

Event ID: ECMRT1583390844950

Generic Entity ID: 6

Bank Details

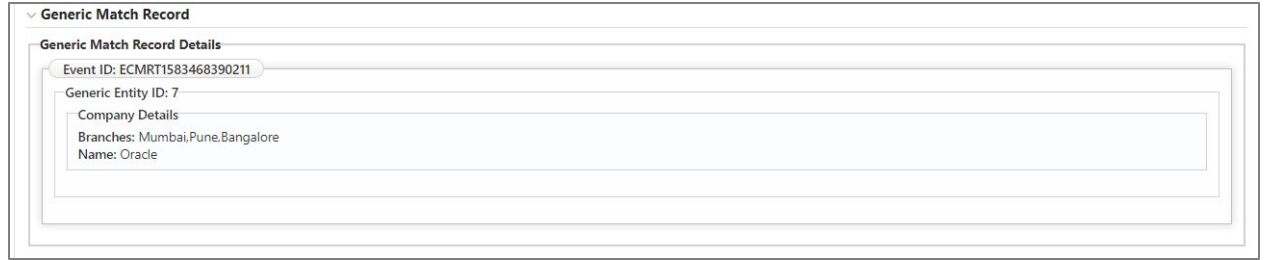
| Departments | | Year | Name |
|----------------|--------|------|-------|
| Employees | Name | | |
| City Name | Credit | 1988 | HDFC |
| Jaipur Smith | | | |
| City Name | Debit | | |
| Kandy Sanath | | | |
| Employees | Name | | |
| City Name | Credit | 1992 | ICICI |
| Delhi Kapil | | | |
| City Name | Debit | | |
| Colombo Marvan | | | |

6. Simple Object and Inside Simple Array of Strings

```

{
  "Company Details": {
    "Name": "Oracle",
    "Branches": ["Mumbai", "Pune", "Bangalore"]
  }
}

```



7. Array JSON Object with two levels of Array and Second Array consisting of Simple Int Values. Also, Simple Array of Strings (For Example : Purposes)

```

{
  "Customer Details": [{
    "Name": "Jackson",
    "Jurisdiction": ["Mumbai", "Pune", "Bangalore"],
    "Departments": [{
      "Name": "Credit",
      "TransactionIds": [11, 12, 13]
    },
    {
      "Name": "Debit",
      "TransactionIds": [14, 15, 17]
    }
  ]
},
{
  "Name": "Dwayne",
  "Jurisdiction": ["California", "Pune", "Delhi"],
  "Departments": [{
    "Name": "Credit",
    "TransactionIds": [11.245, 12.345, 13]
  },
  {
    "Name": "Debit",
    "TransactionIds": [14, 15, 17]
  }
]
}

```

```

    }
  ],
  "Purposes": ["Rental", "Shopping", "Travel"]
}

```

Generic Match Record

Generic Match Record Details

Event ID: ECMRT1583490016489

Generic Entity ID: 8

Customer Details

| Jurisdiction | Departments | Name |
|-----------------------|--|---------|
| Mumbai,Pune,Bangalore | TransactionIds Name 11,12,13 Credit | Jackson |
| | 14,15,17 Debit | |
| California,Pune,Delhi | TransactionIds Name 11,245,12,345,13 Credit | Dwayne |
| | 14,15,17 Debit | |

Purposes
Rental,Shopping,Travel

8. More than 1 Generic Entity Under Same Event

Generic Match Record

Generic Match Record Details

Event ID: ECMRT1583217432360

Generic Entity ID: 1

Customer Details

Victim SSN: 123-12-1234
Victim Name: John Doe
Phone Number: 123-123-1234

Enterprise Customer Complaint

Was a complaint filed through the Enterprise Customer Complaint?: Yes

Incident Details

Incident Type: Structuring
Market: Southwest Pennsylvania
Account Type: Consumer

Generic Entity ID: 2

Bank Details

| Start Year | Employees | Name | Year | Founder | Name |
|------------|----------------------------|--------|------|-----------------|------|
| 1989 | City Name Jaspur Smith | Credit | 1988 | Aditya Puri | HDFC |
| | City Name Kandy Samath | Debit | | | |
| 1993 | City Name Delhi Kapil | Credit | 1992 | Sandeep Balshih | ICI |
| | City Name Colombo Maman | Debit | | | |

9. Multiple Events selected on UI

Generic Match Record

Generic Match Record Details

Event ID: ECMRT158325198441

Generic Entity ID: 3

Customer Details

Victim SSN: 123-12-1234

Address List

| Address Type | Street | City |
|--------------|----------------|-----------|
| Office | M/G Road | Bangalore |
| Home | Victoria Road | Mumbai |
| Branch | Wuhan Province | Beijing |

Victim Name: Ajay Devgan
Phone Number: 123-123-1234

Enterprise Customer Complaint

Was a complaint filed through the Enterprise Customer Complaint?: Yes

Incident Details

Incident Type: Structuring
Market: Southwest Mumbai
Account Type: Consumer

Event ID: ECMRT1583490016489

Generic Entity ID: 8

Customer Details

| Jurisdiction | Departments | Name |
|-----------------------|-------------------------|---------|
| Mumbai.Pune.Bangalore | Transactions Name | Jackson |
| | 11.12.13 Credit | |
| California.Pune.Delhi | 14.15.17 Debit | Divayne |
| | Transactions Name | |
| | 11.245.12.345.13 Credit | |
| | 14.15.17 Debit | |

Purposes

Rental.Shopping.Travel

7.1 Assumptions and Notes

1. Section Names or Object Names must be provided for all elements which are of type Object or Array. For example, following json without section Name will not be supported:

```
{
  "Name": "ASK",
  "Work": "IT"
}
```

2. Supports 2 levels of Arrays for Simple Objects (Main JSON Object->Array1->Array2). Similarly, for the Array Object, it will be Main Array Object->Array1->Array2.
3. Supports simple object inside Array, but this is a rare case where we use any objects inside object. Use array where all single objects can pass it as Array. Else, it as good as normal key value attributes to the parent object:

```
[
  {
    "Name": "ASK",
    "Work": "IT"
  }
]
```

Generic Match Record

Event ID: ECMRT1583490016489

Customer Details

| Jurisdiction | Departments | Name |
|-------------------------|--------------------|--------|
| Mumbai, Pune, Bangalore | TransactionIds | Name |
| | 11, 12, 13 | Credit |
| California, Pune, Delhi | TransactionIds | Name |
| | 11.245, 12.345, 13 | Credit |
| | 14, 15, 17 | Debit |

Purposes

Rental, Shopping, Travel

- For generic entity JSON structures for the Array Type JSON which is depicted as Table on the UI, the order in which the columns are shown is random.

OFSAA Support

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- Is the information clearly presented?
- Do you need more information? If so, where?
- Are the examples correct? Do you need more examples?
- What features did you like most about this manual?

If you find any errors or have any other suggestions for improvement, indicate the title and part number of the documentation along with the chapter/section/page number (if available) and contact the Oracle Support.

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