

Oracle® FCCM Investigation Hub Cloud Service

Using Investigation Hub API



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Preface

Using FCCM Investigation Hub Cloud Service API introduces information sources that can help you use the Oracle Financial FCCM Investigation Hub Cloud Service (OFS iHUB) API.

Audience

This document is intended for users who are responsible for provisioning and activating Oracle FCCM Investigation Hub Cloud services or for adding other users who would manage the services, or for users who want to develop Oracle Cloud applications.

Documentation Accessibility

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Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

Related Resources

For more information, see these Oracle resources:

- Oracle Public Cloud: <http://cloud.oracle.com>
- Community: Use <https://community.oracle.com/customerconnect/> to get information from experts at Oracle, the partner community, and other users.
- Training: Take courses on Oracle Cloud from <https://education.oracle.com/oracle-cloud-learning-subscriptions>.

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.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

1

About the REST APIs

You can use Oracle REST APIs to view data stored in Oracle Cloud Service. A REST API (also known as RESTful API) is an application programming interface (API or web API) that conforms to the constraints of REST architectural style and allows for interaction with RESTful web services.

Oracle FCCM Investigation Hub Cloud Service provides a Representational State Transfer (REST) API to perform user tasks in an automated manner. The REST API is an application-programming interface that provides a simplified way to exchange data through HTTP requests from a client to the server. In REST APIs, a resource is an object with a type, associated data, and relationships to other resources. You can use a set of HTTP methods to access each resource.

Resources are organized in a hierarchical structure that enables:

- Better organization, by grouping related data so that you can efficiently customize the resources.
- Improved performance by using a single HTTP request to handle multiple resources.

2

Getting Started

Before executing the Rest APIs and performing various tasks, refer to the following topics to meet the necessary requirements:

2.1 Prerequisites

Prerequisites for executing Rest APIs.

The following are the set of prerequisites required for executing/invoking Rest APIs.

- Access to Investigation Hub Cloud Service (CS) service.
- Appropriate user privileges to access the services.
- Technical and functional knowledge to understand and execute the REST APIs and configuration knowledge.
- Knowledge of REST concepts, JSON, and browser-based REST clients.
- Knowledge of an interactive and automatic tool for verifying the APIs, such as Postman.

2.1.1 Obtain Account Information

The account creation e-mail from Oracle contains the identity domain name for the Investigation Hub Cloud instance. If you do not have this information, then contact your service administrator.

2.2 Authentication

The Authentication Process involves the use of URL Commands in a CLI Tool to generate the access token and invoke REST APIs.

Ensure that you have the appropriate log-in credentials for accessing the Investigation Hub Cloud Service, and the appropriate role for creating, managing, and deleting service instances.

2.2.1 Getting Authentication

To get authentication, follow these steps:

1. Log in to **Admin Console**. For more information, see [Admin Console](#).
2. Go to **Component Details** and click **AUTH** tab. The Client ID and Client Password details are displayed.
3. Copy Client ID and Client password.
4. Open Postman or relevant API tools. Select POST method and paste the URL: `https://ip:port/oauth2/v1/token`.

 Note:

Replace `ip:port` with tenant URL or domain name.

5. Click the **Authorization** tab. Go to the Type field and select **Basic Auth** from the drop-down list. The User name and Password fields are displayed.
6. Enter the User Name and Password that you have copied in step-3.
7. Go to the **Body** tab. Select request format as: `x-www-form-urlencoded`.
8. Enter the KEY and Value fields as mentioned in the subsequent table:

Table 2-1 Key and Value

KEY	VALUE
grant_type	client_credentials
scope	urn:opc:idm:__myscopes__

9. Click the **Header** tab. The Header details are displayed.
10. Enter the details explained in the subsequent table:

Table 2-2 Key and Value

KEY	VALUE
Postman-Token	client_credentials
scope	urn:opc:idm:__myscopes__
Content-Type	application/x-www-form-urlencoded
Content-Length	<calculated when request is sent>
Host	<calculated when request is sent>
User-Agent	PostmanRuntime/7.28.0
Accept	*/*
Accept-Encoding	gzip,deflate,br
Connection	keep-alive

11. Click **Send**. An Authorization token is generated in the Response body. For example, `<eyJ4NXQjUzI1NiI6Ikk3cWxndm1Kal...>`

 Note:

This authentication key is valid for a stipulated time.

12. Copy only the Authorization token details.

2.2.2 Executing iHUB Case Status Feedback Request

To execute iHUB case status feedback request, follow these steps:

1. Open Postman or relevant tool.

2. Copy only the Authorization token that you got from the previous request.
3. Go to Header.
4. Enter KEY as a **Authentication** and Description as a bearer (Authorization token)
<eyJ4NXQjUzI1NiI6Ikk3cWxndmlKal...>.
5. Send a request using the POST method. The request must be in the following format:
 - **HTTP Link:** http://hostname:port/api.
 - **Path:** /data-api-service/API/getData/cscasestatusfeedback

You will get a response as a result array which will contain case status of all the case ids requested. For more information, see the [iHUB Screening JSON Service](#) section.

2.3 Supported Methods

Methods to invoke/execute Rest APIs.

- **GET:** Retrieve information about the service instance.
- **POST:** Create, scale, backup, start, and stop the service instance.
- **PUT:** Update the service instance.

2.3.1 Media Types

The following media type is supported by the Oracle Customer Screening Cloud REST API:

- application/json

2.4 Supported Headers

Headers supported in the Rest APIs.

The REST API supports headers that may be passed in the header section of an HTTP Request or Response.

Table 2-3 Supported Headers

Headers	Description	Example
Content-Type	The media type of the body of the request. Required for POST and PUT requests, and the supported types vary with each endpoint.	Content-Type: application/json
Accept	The media type of the body of the response.	Accept: application/json
X-ID-TENANT-NAME	The identity domain name of the service used for authentication.	X-ID-TENANT-NAME: ExampleIdentityDomain

2.5 Status Code

Return Status Codes.

When you call the Accounting Foundation Cloud Service REST APIs Resources, the Response Header returns one of the standard HTTP Status Codes.

Table 2-4 Status Code

HTTP Status Code	Description
200 OK	The request was successfully completed. A 200 status is returned for a successful GET or POST Method.
201 Created	The request has been fulfilled and resulted in a new resource being created. The response includes a Location Header containing the canonical URI for the newly created resource. A 201 status is returned from a synchronous resource creation or an asynchronous resource creation that was completed before the response was returned.
202 Accepted	The request has been accepted for processing, but the processing has not been completed. The request may or may not eventually be acted upon, as it may be disallowed at the time the processing takes place. When specifying an Asynchronous (__detached=true) Resource creation (for example, when deploying an application), or update (for example, when redeploying an application), a 202 is returned if the operation is still in progress. If __detached=false, a 202 may be returned if the underlying operation does not complete in a reasonable amount of time.
400 Bad Request	The request could not be processed because it contains missing or invalid information (such as a validation error on an input field, a missing required value, and so on).
401 Unauthorized	The request is not authorized. The Authentication Credentials included with this request are missing or invalid.
403 Forbidden	The user cannot be authenticated. The user does not have the authorization to perform this request.
404 Not Found	The request includes a resource URI that does not exist.
405 Method Not Allowed	The HTTP verb specified in the request (DELETE, GET, POST, PUT) is not supported for this request URI.
406 Not Acceptable	The resource identified by this request is not capable of generating a representation corresponding to one of the media types in the Accept Header of the request. For example, the client's Accept Header request XML be returned, but the resource can only return JSON.
409 Conflict	The client's ContentType Header is not correct (for example, the client attempts to send the request in XML, but the resource can only accept JSON).

Table 2-4 (Cont.) Status Code

HTTP Status Code	Description
415 Not Acceptable	The client's <code>ContentType</code> Header is not correct (for example, the client attempts to send the request in XML, but the resource can only accept JSON).
500 Internal Server Error	The server encountered an unexpected condition that prevented it from fulfilling the request.
503 Service Unavailable	The server is unable to handle the request due to temporary overloading or maintenance of the server. The REST Web Application is not currently running.

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iHUB Screening JSON Service

3.1 Using iHUB Case Status Feedback Request

The REST API is used to execute the iHUB Request.

API to retrieve case status based on case id's.

End Point Details

- HTTP Link - `http://<hostname>:<port>/data-api-service/API/getData/cscasestatusfeedback`
- Method - POST
- Content Type - Application/JSON

Executing iHUB Case Status Feedback Request

To execute iHUB Case Status Feedback Request, see [Executing iHUB Case Status Feedback Request](#).

Request JSON Parameters

Table 3-1 Parameters and their values

Parameter	Value Type	Description
caseId	Array of Strings	List of case id's.

Response JSON Parameters

Response will contain a result array that contains case status for each case.

Table 3-2 Parameters and their values

Parameter	Value Type	Description
Case_Status	String	Case status.
Case_Internal_Identifier	String	Case id.
Case_Status_Code	String	Case status code.

Request and Response JSON Samples

Request Sample:

```
{
  "caseId": [
    "CA120953",
    "CA120793",
    "CA120794"
  ]
}
```

```
]
}
```

Response Sample:

```
{
  "result": [
    {
      "Case_Status": "Closed - False Positive",
      "Case_Internal_Identifier": "CA120953",
      "Case_Status_Code": "CCFP"
    },
    {
      "Case_Status": "Investigation",
      "Case_Internal_Identifier": "CA120793",
      "Case_Status_Code": "INV"
    },
    {
      "Case_Status": "New",
      "Case_Internal_Identifier": "CA120794",
      "Case_Status_Code": "NW"
    }
  ]
}
```

The possible values for case status code and case status.

Table 3-3 Status codes and their status

Case_Status_Code	Case_Status
CCFP	Closed False Positive
CCTMEC	Closed True Match Exit Completed
CCTMER	Closed True Match Exit Required
CCTMM	Closed True Match Monitored
CCTNM	Closed True Match Not Monitored
CLS_AE	Closed Auto Eliminated
INV	Investigation
NW	New
PNDR	Pending Review
RNPR	Review in Progress

**Note:**

When the API request encounters an error, it generates a 400 Bad Request response with "STATUS": "ERROR".

This status code typically indicates that the request could not be processed due to invalid syntax, incorrect parameters, or other client-side issues.

Sample error message: (400 Bad Request)

```
{ "STATUS": "ERROR", "message": "ERROR in Executing Query, Please check you  
Filter and Join Conditions" }
```