

# **Unica Interact V12.1.5 REST API Guide**



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# Chapter I. Rest API Guide

This contains information about Rest API for Unica Interact Runtime and Unica Interact Design Time. Interact API has predictable resource-oriented URLs. It accepts form-encoded request bodies, returns JSON-encoded responses, and uses standard HTTP response codes, authentication, and verbs.

## Authentication

This section describes the authentication mechanism.

### Interact Design time

To authenticate internal users in client applications, use the Unica Platform `login` API to generate secure tokens. You can then invoke any protected APIs by passing the required parameters in the request header, in addition to the parameters expected by the API itself.

#### Example

```
POST /unica/api/manager/authentication/login/
```

Name	Type	In	Description
m_user_name	string	header	The internal user's Unica Platform login name.
m_user_password	string	header	The internal user's Unica Platform password in plain text.

#### Response

```
{
  "m_tokenId": "<randomly generated token>",
  "m_user_name": "<username of the logged in user>",
  "createDate": "Mon Jan 01 12:34:56 IST 2021"
}
```

## Interact Run time

To enable authentication on Unica Interact Run time API calls, specify the API Authentication (`Affinium|interact|general|API`) property to `true`. When it is enabled, Unica Interact Run time checks if an incoming API request has a valid authentication token, else it authenticates with the supplied username and password with Unica Platform or LDAP. Request is rejected if token is invalid or username or password is invalid. The token is tied with the session-Id, which is provided during the `startSession()` API call. So, all other API calls validate this token before proceeding.

Name	Type	In	Description
<code>m_user_name</code>	string	header	The internal user's Unica Platform login name.
<code>m_user_password</code>	string	header	The internal user's Unica Platform password in plain text.

## Errors

Interact uses conventional HTTP response codes to indicate the success or failure of an API request. In general, codes in the 2xx range indicate success. Codes in the 4xx range indicate an error that failed on the basis of the information provided. Codes in the 5xx range indicate an error with Interact servers (these are rare).

### HTTP STATUS CODE SUMMARY

<b>200 - OK</b>	Everything worked as expected.
<b>201 - Created</b>	Resource is created.
<b>202 - Accepted</b>	Resource is updated.

<b>204 - No Content</b>	Everything worked as expected.
<b>207 - Miscellaneous</b>	Status code of batch request.
<b>400 - Bad Request</b>	The request was unacceptable, often due to missing a required parameter or invalid input to the parameter.
<b>401 - Unauthorized</b>	No valid API token or credentials provided.
<b>404 - Not Found</b>	The requested resource does not exist.
<b>500 - Server Errors</b>	Something went wrong on Interact server's end. (This is rare.)

## Pagination

Requests that return multiple items are paginated to 10 items by default. You can specify further pages with the page parameter.

Name	Type	In	Description
page	number	query	nth page to retrieve records. Default is 0 (first page).
size	number	query	Number of records per page. Default is 10.

### Example

```
GET /Campaign/api/interact/rest/v2/channels?page=0&size=10
```

### Response

```
{
  "content": [],
}
```

```

"page": {
  "hasNext": true,
  "hasPrev": true,
  "pageNumber": 0,
  "size": 10,
  "totalElements": 0,
  "totalPages": 0
}
}

```

## Abbreviations

Abbreviations include acronyms, initialisms, shortened words, and contractions used in this document.

<b>Abbreviations</b>	<b>Description</b>
DT	Design time
RT	Run time
CRUD	Create, Read, Update, and Delete
ic	Interactive Channel
al	Audience Level
ald	Audience Id

The following are the abbreviations and symbols used in Objects section.

<b>Abbreviations</b>	<b>Description</b>
Cr	Create

Up	Update
Cp	Copy
✓	Mandatory Parameter
x	Unexpected Parameter
<blank>	Optional Parameter

## Unica Interact Runtime APIs

The following section includes the Rest APIs for Unica Interact Runtime.

### Objects

Parameter Object. See the [Abbreviations \(on page 4\)](#) topic for details on the abbreviations used.

Attribute Name	Type	Description
n	string	Parameter name
t	string	Parameter type <ul style="list-style-type: none"> <li>• string</li> <li>• numeric</li> <li>• datetime</li> </ul>
v	object	Parameter value This can either be string or numeric or datetime object.

### Parameter



```
{
  "n": "string",
  "t": "string",
  "v": "string"
}
```

## Sessions

These APIs are used to start or end the Interact Runtime session.

### Start Session

POST /interact/v2/sessions/{sessionID}?  
ic={ic}&audienceLevel={al}&audienceIDField={ald}

#### Parameters

Name	Type	In	Description
sessionID	string	path	Interact Run time Session ID
ic	string	query	Interactive Channel Name
audienceLevel	string	query	Audience Level
audienceID-Field	string	query	<p>Audience ID</p> <p><b>Format:</b> Name Value Type;Name2 Value2 Type2</p> <p>Type:</p> <ul style="list-style-type: none"> <li>• string</li> <li>• numeric</li> <li>• datetime</li> </ul> <p>Example: AudienceID I numeric</p>

## REQUEST

See the [Abbreviations \(on page 4\)](#) topic for the abbreviations used here.

```
{
  "auIdParams": [
    {
      "n": "string",
      "t": "string",
      "v": ""
    }
  ],
  "debug": true,
  "parameters": [
    {
      "n": "string",
      "t": "string",
      "v": ""
    }
  ],
  "relyOnExistingSession": true
}
```

## RESPONSE (Status Code: 201)

```
{
  "messages": [],
  "sessionId": "101",
  "version": "1.0.0",
  "statusCode": 0
}
```

## End Session

DELETE/interact/v2/sessions/{sessionID}

### Parameters

Name	Type	In	Description
sessionID	string	Path	Interact Run time Session ID
parameters	string	Query	Parameters <b>Format:</b> Name Value Type;Name2 Value2 Type2  <b>Type:</b> <ul style="list-style-type: none"> <li>• string</li> <li>• numeric</li> <li>• datetime</li> </ul> Example: UACICachedOffers 1 numeric

### RESPONSE (Status Code: 200)

```
{
  "messages": null,
  "sessionId": "101",
  "version": "1.0.0",
  "statusCode": 0
}
```

## Offers

These APIs are used to get the offers from the started Interact runtime session.

## Get Offers

GET/interact/v2/offers/{sessionId}/{interactionPointID}?

number={numberRequested}

### Parameters

Name	Type	In	Description
sessionId	string	path	Interact Run time Session ID
IPID	string	query	Interaction Point ID
number	string	query	Number of offers requested
parameters	string	query	Parameters <b>Format:</b> Name Value Type;Name2 Value2 Type2  <b>Type:</b> <ul style="list-style-type: none"> <li>• string</li> <li>• numeric</li> <li>• datetime</li> </ul> Example: UACICachedOffers 1 numeric

### RESPONSE (Status Code: 200)

See the [Abbreviations \(on page 4\)](#) topic for the abbreviations used here.

```
{
  "messages": null,
  "offerLists": [
    {
      "defaultString": "string",
      "ip": "string",
      "offers": [
```

```

{
  "attributes": [
    {
      "n": "string",
      "t": "string",
      "v": "string"
    }
  ],
  "code": [
    "string"
  ],
  "desc": "string",
  "n": "string",
  "score": 0,
  "treatmentCode": "string"
}
]
}
],
"sessionId": "string",
"statusCode": 0,
"version": "string"
}

```

### Get Offers for Multiple IPs

POST/interact/v2/offers/{sessionId}

#### Parameters

Name	Type	In	Description
sessionId	string	path	Interact Run time Session ID

## REQUEST

```
{
  "getOfferRequests": [
    {
      "dupPolicy": 0,
      "ip": "string",
      "numberRequested": 0,
      "offerAttributes": {
        "attributes": [
          {
            "n": "string",
            "t": "string",
            "v": {}
          }
        ],
        "childRequirements": [
          {
            "attributes": [
              {
                "n": "string",
                "t": "string",
                "v": {}
              }
            ],
            "childRequirements": [
              {}
            ],
            "numberRequested": 0
          }
        ],
        "numberRequested": 0
      }
    ]
  }
}
```

```

    }
  ],
  "parameters": [
    {
      "n": "string",
      "t": "string",
      "v": {}
    }
  ]
}

```

### RESPONSE (Status Code: 200)

```

{
  "messages": null,
  "offerLists": [
    {
      "defaultString": "string",
      "ip": "string",
      "offers": [
        {
          "attributes": [
            {
              "n": "string",
              "t": "string",
              "v": "string"
            }
          ],
          "code": [
            "string"
          ],
          "desc": "string",
          "n": "string",

```

```

        "score": 0,
        "treatmentCode": "string"
    }
]
}
],
"sessionId": "string",
"statusCode": 0,
"version": "string"
}

```

## Get Offers for Multiple IPs

POST/interact/v2/offers/{sessionId}

### Parameters

Name	Type	In	Description
sessionId	string	path	Interact Run time Session ID

### REQUEST

```

{
  "getOfferRequests": [
    {
      "dupPolicy": 0,
      "ip": "string",
      "numberRequested": 0,
      "offerAttributes": {
        "attributes": [
          {
            "n": "string",

```



```
        "t": "string",
        "v": {}
    }
],
"childRequirements": [
    {
        "attributes": [
            {
                "n": "string",
                "t": "string",
                "v": {}
            }
        ],
        "childRequirements": [
            {}
        ],
        "numberRequested": 0
    }
],
"numberRequested": 0
}
],
"parameters": [
    {
        "n": "string",
        "t": "string",
        "v": {}
    }
]
}
```

**RESPONSE (Status Code: 200)**

See the [Abbreviations \(on page 4\)](#) topic for the abbreviations used here.

```
{
  "messages": null,
  "offerLists": [
    {
      "defaultString": "string",
      "ip": "string",
      "offers": [
        {
          "attributes": [
            {
              "n": "string",
              "t": "string",
              "v": "string"
            }
          ],
          "code": [
            "string"
          ],
          "desc": "string",
          "n": "string",
          "score": 0,
          "treatmentCode": "string"
        }
      ]
    }
  ],
  "sessionId": "string",
  "statusCode": 0,
  "version": "string"
}
```

## Events

These APIs are used to post the event to the started Interact Runtime session.

## Post Event

POST/interact/v2/events/{sessionId}/{eventName}

### Parameters

Name	Type	In	Description
sessionId	string	path	Interact Run time Session ID
event-Name	string	path	Event Name

### REQUEST

See the [Abbreviations \(on page 4\)](#) topic for the abbreviations used here.

```
{
  "parameters": [
    {
      "n": "string",
      "t": "string",
      "v": "string"
    }
  ]
}
```

### RESPONSE Status Code: 200)

```
{
  "messages": null,
  "sessionId": "101",
```

```

    "version": "1.0.0",
    "statusCode": 0
  }

```

## Profiles

These APIs are used to get the profile data from started Interact Runtime Session.

### Get Profiles

GET/interact/v2/profiles/{sessionID}

#### Parameters

Name	Type	In	Description
sessionID	string	path	Interact Run time Session ID
parameters	string	query	Parameters <b>Format:</b> Name Value Type;Name2 Value2 Type2 Type <ul style="list-style-type: none"> <li>• string</li> <li>• numeric</li> <li>• datetime</li> </ul> Example: UACIGetProfileShowDimFields I numeric

#### RESPONSE (Status Code: 200)

See the [Abbreviations \(on page 4\)](#) topic for the abbreviations used here.

```

{
  "messages": null,
  "profile": [
    {
      "n": "string",
      "t": "string",
      "v": "string"
    }
  ],
  "sessionId": "string",
  "statusCode": 0,
  "version": "string"
}

```

## Audience

These APIs are used to set the audience data to the existing Interact runtime session.

## Set Audience

### Set Audience

PUT /interact/v2/audience/{sessionId}?  
audienceLevel={al}&audienceIDField={ald}

### Parameters

Name	Type	In	Description
sessionId	string	path	Interact Run time Session ID
audienceLevel	string	query	Audience Level

audiencelD-Field	string	query	<p>Audience ID</p> <p><b>Format:</b> Name Value Type;Name2 Value2 Type2</p> <p>Type</p> <ul style="list-style-type: none"> <li>• string</li> <li>• numeric</li> <li>• datetime</li> </ul> <p>Example: AudiencelD  numeric</p>
------------------	--------	-------	---

## REQUEST

See the [Abbreviations \(on page 4\)](#) topic for the abbreviations used here.

```
{
  "parameters": [
    {
      "t": "string",
      "v": "string",
      "n": "string"
    }
  ]
}
```

## RESPONSE (Status Code: 200)

```
{
  "statusCode": 0,
  "sessionId": "101",
  "messages": null,
  "version": "1.0.0"
}
```

## Batch Execute

These APIs are used to execute batch commands.

POST /v2/batch/{sessionID}

### Parameters

Name	Type	In	Description
sessionID	string	path	Interact Run time Session ID

### REQUEST

See the [Abbreviations \(on page 4\)](#) topic for the abbreviations used here.

```
{
  "endSession": true,
  "getOffers": {
    "interactionPointID": "string",
    "numberRequested": 0
  },
  "getOffersForMultipleInteractionPoints": {
    "getOfferRequests": [
      {
        "dupPolicy": 0,
        "ip": "string",
        "numberRequested": 0,
        "offerAttributes": {
          "attributes": [
            {
              "n": "string",
              "t": "string",
              "v": {}
            }
          ]
        }
      }
    ]
  }
}
```

```

        }
      ],
      "childRequirements": [
        {}
      ],
      "numberRequested": 0
    }
  ]
},
"getProfile": true,
"getVersion": true,
"postEvent": {
  "event": "string",
  "parameters": [
    {
      "n": "string",
      "t": "string",
      "v": {}
    }
  ]
},
"setAudience": {
  "audienceID": [
    {
      "n": "string",
      "t": "string",
      "v": {}
    }
  ],
  "audienceLevel": "string",
  "parameters": [

```



```
{
  "n": "string",
  "t": "string",
  "v": {}
}
],
},
"setDebug": {
  "debug": true
},
"startSession": {
  "auIdParams": [
    {
      "n": "string",
      "t": "string",
      "v": {}
    }
  ],
  "audienceID": [
    {
      "n": "string",
      "t": "string",
      "v": {}
    }
  ],
  "audienceLevel": "string",
  "debug": true,
  "ic": "string",
  "parameters": [
    {
      "n": "string",
      "t": "string",
```

```

        "v": {}
    }
],
    "relyOnExistingSession": true
}
}

```

### RESPONSE (Status Code: 200)

```

{
    "batchStatusCode": 0,
    "responses": [
        {
            "messages": [
                {
                    "detailMsg": "string",
                    "msg": "string",
                    "msgCode": 0,
                    "msgLevel": 0
                }
            ],
            "offerLists": [
                {
                    "defaultString": "string",
                    "ip": "string",
                    "offers": [
                        {
                            "attributes": [
                                {
                                    "n": "string",
                                    "t": "string",
                                    "v": {}
                                }
                            ]
                        }
                    ]
                }
            ]
        }
    ]
}

```

```
    ],  
    "code": [  
      "string"  
    ],  
    "desc": "string",  
    "n": "string",  
    "score": 0,  
    "treatmentCode": "string"  
  }  
]  
}  
],  
"profile": [  
  {  
    "n": "string",  
    "t": "string",  
    "v": {}  
  }  
],  
"sessionId": "string",  
"statusCode": 0,  
"version": "string"  
}  
]  
}
```

## Deployment

These APIs are used to get the deployment information of interactive channels.

### Get Deployed Channel

## GET/interact/v2/deployments/channels/{icldOrName}

**Parameters**

Name	Type	In	Description
icldOrName	string	path	Interact Channel ID or Name

**RESPONSE (Status Code: 200)**

See the [Abbreviations \(on page 4\)](#) topic for the abbreviations used here.

```
{
  "deployment": {
    "categoriesAndEvents": [
      {
        "categoryName": "string",
        "events": [
          {
            "eventActions": "string",
            "eventName": "string"
          }
        ]
      }
    ],
    "constraints": [
      {
        "constraintId": 0,
        "constraintName": "string",
        "offerConstraint": "string"
      }
    ],
    "flowcharts": [
      {
```

```

        "audienceLevel": "string",
        "flowchartName": "string"
    }
],
"icName": "string",
"lastDeploymentTime": "string",
"offerThreshold": 0,
"strategies": [
    {
        "ruleGroups": [
            {
                "cellCode": "string",
                "rules": [
                    {
                        "marketWeight": 0,
                        "offerAttributes": [
                            "string"
                        ],
                        "offerCodes": "string",
                        "offerName": "string",
                        "predicate": "string",
                        "predicateState": "string",
                        "ruleEnabled": "string",
                        "zoneName": "string"
                    }
                ]
            }
        ],
        "stratergyName": "string"
    }
],
"tableMapping": [

```

```

{
  "audienceLevel": "string",
  "tableInfo": [
    {
      "parentTableName": "string",
      "preLoaded": true,
      "tableName": "string"
    }
  ]
},
"zonesAndInteractionPoints": [
  {
    "interactionPoints": [
      "string"
    ],
    "zoneName": "string"
  }
]
}

```

## Get Deployed Offers

GET/interact/v2/deployments/offers

### RESPONSE (STATUS CODE: 200)

```

{
  "offers": [
    {
      "constraintIds": [
        0
      ],
    },
  ],
}

```

```

    "offerCode": [
      "string"
    ],
    "offerId": 0,
    "offerName": "offer",
    "suppressionRules": {
      "categoryName": "string",
      "eventType": "string",
      "hidden": true,
      "id": 0,
      "name": "string"
    }
  }
]
}

```

## Audit

### Description

These APIs are used to get runtime API history.

### Get API Audit by Session ID

GET/interact/v2/APIhistory/session/{sessionID}?

audiencelevel={audienceLevel} &startTime={startTime}&endTime={endTime}

### Parameters

Name	Type	In	Description
sessionID	string	path	Interact Run time Session ID
audienceLevel	string	query	Audience Level

startTime	number	query	Start time in millisecond (optional) Example: 1609439400000
endTime	number	query	End time in millisecond (optional) Example: 1609439400000

**RESPONSE (Status Code: 200)**

```
{
  "api": "string",
  "apiTime": "2021-01-01T12:34:56.789Z",
  "audienceId": {},
  "batchId": "string",
  "event": "string",
  "intChannel": "string",
  "intPoint": "string",
  "message": "string",
  "noOfofferRequested": 0,
  "offerRequest": "string",
  "parameters": "string",
  "parametersCount": 0,
  "processTime": 0,
  "relyOnExistingSession": 0,
  "response": "string",
  "rtURL": "string",
  "sessionId": "string",
  "status": 0
}
```

**Get API Audit by Audience ID**



GET/interact/v2/APIhistory/audience?

audienceLevel={audienceLevel}&audienceIDField=

{audienceIDField}&startTime={startTime}&endTime={endTime}&offerArbitration=false

### Parameters

Name	Type	In	Description
audienceLevel	string	query	Audience Level
audienceID-Field	string	query	Audience ID
startTime	number	query	Start time in Millis (Optional)
endTime	number	query	End time in Millis (Optional)
offerArbitration	bool	query	Offer Arbitration information flag (Optional)

### RESPONSE (Status Code: 200)

```
{
  "api": "string",
  "apiTime": "2021-01-01T12:34:56.789Z",
  "audienceId": {},
  "batchId": "string",
  "event": "string",
  "intChannel": "string",
  "intPoint": "string",
  "message": "string",
  "noOfofferRequested": 0,
  "offerRequest": "string",
  "parameters": "string",
  "parametersCount": 0,
```

```

"processTime": 0,
"relyOnExistingSession": 0,
"response": "string",
"rtURL": "string",
"sessionId": "string",
"status": 0
}

```

## Event Pattern State

These APIs are used to get the states of all event patterns and offer suppression rules belonging to the specified audience ID.

## Get Event Pattern State

This API will return event pattern state from database and cache.

GET `/interact/v2/eventpatterns?audienceLevel={al}&audienceIDField={ald}`

### Parameters

Name	Type	In	Description
audienceLevel	string	query	Audience Level
audienceIDField	string	query	Audience ID

### RESPONSE (Status Code: 200)

```

{
  "lastUpdateTime": 0,
  "patternStates": [
    {
      "offerId": "string",
      "offerName": "string",

```

```

    "patternId": 0,
    "patternName": "string",
    "suppression": "string",
    "values": [
      {
        "activationTime": 0,
        "attrArray": {},
        "changed": true,
        "eventCounterDeltas": [
          0
        ],
        "initialEventCounters": [
          0
        ],
        "lastResetTime": 0,
        "lastUpdateTime": 0,
        "status": "string"
      }
    ]
  }
]
}

```

## Get Event Pattern State from Cache

GET/interact/v2/eventpatterns/cache?

audienceLevel={audienceLevel}&audienceIDField={audienceIDFieldValue}

### Parameters

Name	Type	In	Description
audienceLevel	string	query	Audience Level

audienceIDField	string	query	Audience ID
-----------------	--------	-------	-------------

**RESPONSE (Status Code: 200)**

```

{
  "lastUpdateTime": 0,
  "patternStates": [
    {
      "offerId": "string",
      "offerName": "string",
      "patternId": 0,
      "patternName": "string",
      "suppression": "string",
      "values": [
        {
          "activationTime": 0,
          "attrArray": {},
          "changed": true,
          "eventCounterDeltas": [
            0
          ],
          "initialEventCounters": [
            0
          ],
          "lastResetTime": 0,
          "lastUpdateTime": 0,
          "status": "string"
        }
      ]
    }
  ]
}

```

## Get Event Pattern State from Database

GET/interact/v2/eventpatterns/db?

audienceLevel={audienceLevel}&audienceIDField={audienceIDFieldValue}

### Parameters

Name	Type	In	Description
audienceLevel	string	query	Audience Level
audienceIDField	string	query	Audience ID

### RESPONSE (Status Code: 200)

Content-Type: application/json

```
{
  "lastUpdateTime": 0,
  "patternStates": [
    {
      "offerId": "string",
      "offerName": "string",
      "patternId": 0,
      "patternName": "string",
      "suppression": "string",
      "values": [
        {
          "activationTime": 0,
          "attrArray": {},
          "changed": true,
          "eventCounterDeltas": [
            0
          ],
        }
      ],
    }
  ],
}
```

```

        "initialEventCounters": [
            0
        ],
        "lastResetTime": 0,
        "lastUpdateTime": 0,
        "status": "string"
    }
]
}
]
}

```

## Statistics

These APIs are used to get the JMX sweep.

### Get JMX Statistics

GET/interact/v2/stats/jmx

**RESPONSE (Status code: 200)**

```

{
  "statsJMX": [
    {
      "name": "com.unicacorp.interact:type=api,group=Statistics"
    },
    {
      "information": {
        "WaitForFlowchartAverage": "1.0",
        "LoadScoreOverrideDuration": "0",
        "EndSessionCount": "0",
        "SetAudienceCount": "0",
        "GetProfileAverage": "0.0",
        "PostEventAverage": "0.0",

```

```
    "ActiveSessionCount": "0",
    "PostEventCount": "1",
    "ExecuteBatchAverage": "0.0",
    "ExecuteBatchCount": "0",
    "SetDebugAverage": "0.0",
    "StartSessionAverage": "0.0",
    "GetProfileCount": "0",
    "SetDebugCount": "0",
    "SetAudienceAverage": "0.0",
    "LoadOfferSuppressionDuration": "0",
    "GetOffersCount": "1",
    "LoadOffersBySQLCount": "0",
    "LoadOffersBySQLAverage": "0.0",
    "GetVersionCount": "0",
    "EndSessionAverage": "0.0",
    "StartSessionCount": "0",
    "RunSegmentationDuration": "0",
    "GetVersionAverage": "0.0",
    "GetOffersAverage": "0.0"
  }
}
]
```

## Interact Status

These APIs are used to check status of Interact.

### Get Version

**GET/interact/v2/status**

**RESPONSE (Status Code: 200)**

```
{
  "messages": null,
  "sessionId": null,
  "version": "1.0.0"
  "statusCode": 0
}
```

## GDPR APIs

This API is used to get Interact GDPR (General Data Protection Regulation) SQL scripts for the following Interact runtime tables:

- CHAttributeTable
- CHStagingTable
- RHStagingTable
- EventPatternStateTable
- XSessResponseTable
- UserEventActivityTable
- ScoreOverrideTable
- BlackListTable
- TreatmentTable
- RequestLogTable
- RequestAttrLogTable
- OffersSegmentsAPILog
- OffersSegmentsIDLog

## Objects

### GDPR Scripts Request Object

Attribute Name	Type	Description	Required Cr	Required Up
audienceLevel	String	Audience Level	✓	
audienceIDS	List <Map>	List of Audience IDs	✓	



## GDPR Scripts Response Object

Attribute Name	Type	Description	Required Cr	Required Up
Datasource	String	GDPR SQL scripts could be: Profile, CHRH, Runtime	✓	
sqls	List <Map>	List of SQL Scripts	✓	

## Get GDPR Scripts

POST /interact/v2/gdpr?QuerySeparator=;&NLSPrefix=&returnZip=false

### Parameters

Name	Type	In	Description
QuerySeparator	String	query	Default QuerySeparator is “;”
NLSPrefix	String	query	Default NLSPrefix is empty string.  If NLS.String.Prefix=N, for No English characters
returnZip	bool	query	If returnZip=false, return GDPR SQL Scripts in List<GDPRScriptResponse>  If returnZip=true, return GDPR SQL Scripts in zip file.

### Request

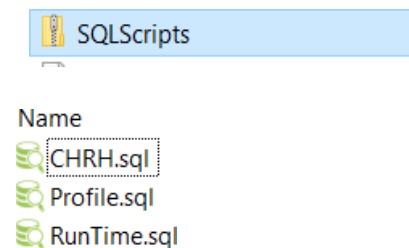
```
[
  {
    "audienceLevel": "string",
    "audienceIDS": [
      {"CustomerId":0},
      {"CustomerId":0}
    ]
  },
  {
    "audienceLevel": "string",
    "audienceIDS": [
      {"Field1PK":0,"Field2PK":"string","Field3PK":"string"},
      {"Field1PK":0,"Field2PK":"string","Field3PK":"string"}
    ]
  }
]
```

**RESPONSE (Status Code: 200) for returnZip=false**

```
[
  {
    "datasource": "RunTime",
    "sqls": [ <String> ]
  },
  {
    "datasource": "CHRH",
    "sqls": [ <String> ]
  },
  {
    "datasource": "Profile",
    "sqls": [ <String> ]
  }
]
```

**RESPONSE (Status Code: 200) for returnZip=true, return SQLScripts zip includes 2 SQL files.**

It requests the application server using servlet 3.1, for WebSphere request version > 9.0+



## Get Sync of Consent from Contact Central

GET /v2/consent/sync

**Request**

```
{
  "messages": null,
  "sessionId": null,
  "version": 1.0.0,
  "statusCode": 0
}
```

This API manually synchronizes Interact runtime consent data from Unica Contact Central

## Simulator APIs

The following APIs provide service for executing runtime simulation with coverage scenarios, checking execution status, and canceling execution of coverage simulations.

## Run Coverage Simulation

POST: /interact/v2/simulation/{scenarioId}

### RESPONSE (Status Code: 200)

```
{
  "logData": null,
  "type": "coverage",
  "msg": "Running simulation succeeded",
  "statusCode": 0
}
```

## Is Coverage Running

GET: /interact/v2/simulation/{scenarioId}/status

### RESPONSE (Status Code: 200)

```
{
  "logData": null,
  "type": "coverage",
  "msg": "Simulation not running",
  "statusCode": 1004
}
```

## Cancel Coverage Simulation

DELETE: /interact/v2/simulation/{scenarioId}

### RESPONSE (Status Code: 200)

```
{
  "logData": null,
  "type": "coverage",
  "msg": "No ongoing simulation found for this scenario",
  "statusCode": 1002
}
```

# Unica Interact Design time APIs

The following section includes the Rest APIs for Interact Design time objects.

## Interactive Channel

These APIs are used to perform CRUD operations on Interactive Channel.

### Objects

The Interactive Channel object.

For abbreviations, see the [Abbreviations \(on page 4\)](#) topic.

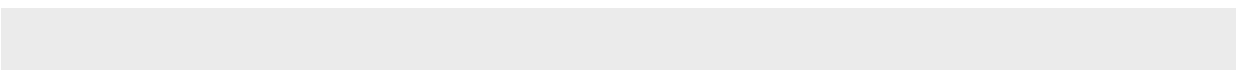
Attribute Name	Type	Description	Re- quired Cr	Re- quired Up
id	num- ber	Unique id	x	x
name	string	Interactive channel name	✓	
description	string	Description of the interactive channel		
offerThreshold	num- ber	Maximum number of times to show any of- fer during a single visit		

serverGroups	string-array	Runtime server groups	✓	
production-ServerGroup	string	Production runtime server groups	✓	
policyId	number	Security policy id	x	x
createBy	number	Created by user	x	x
createDate	number	Created date in Millis	x	x
updateBy	number	Updated by user	x	x
updateDate	number	Update date in Millis	x	x
waitingForDeployment	number	Number of items waiting for deployment	x	x
longestWaitTime	string	Longest wait time for an item	x	x
longestWaitDateTime	bool	Longest wait time available	x	x
lastDeploymentTime	number	Last Deployment Date in ms	x	x

## Interactive Channel Object

For details, see the table in [Objects \(on page 37\)](#) topic.

**Interactive Channel** <interactive-channel-object>



```

"createBy": 0,
"createDate": 0,
"description": "string",
"id": 0,
"lastDeploymentTime": 0,
"longestWaitTime": "string",
"longestWaitTimeAvailable": true,
"name": "string",
"offerThreshold": 0,
"policyId": 0,
"productionServerGroup": "string",
"serverGroups": [
  "string"
],
"updateBy": 0,
"updateDate": 0,
"waitingForDeployment": 0
}

```

## Get All Interactive Channels

GET /Campaign/api/interact/rest/v2/channels

### Parameters

Name	Type	In	Description
page	number	query	nth page to retrieve records. Default is 0 (first page).
size	number	query	Number of records per page. Default is 10.

### Response (Status Code: 200)

For <interactive-channel-object>, see the [Interactive Channel Object \(on page 38\)](#) topic.

```
{
  "content": [
    <interactive-channel-object>
  ],
  "page": {
    "hasNext": true,
    "hasPrev": true,
    "pageNumber": 0,
    "size": 0,
    "totalElements": 0,
    "totalPages": 0
  }
}
```

## Get Interactive Channels

GET `/Campaign/api/interact/rest/v2/channels/{icIdOrName}`

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name

### Response (Status Code: 200)

[Interactive Channel Object \(on page 38\)](#)

## Create Interactive Channels

POST `/Campaign/api/interact/rest/v2/channels`

## REQUEST

For <interactive-channel-object>, see the [Interactive Channel Object \(on page 38\)](#) topic.

```
{
  "channels": [
    <interactive-channel-object>
  ]
}
```

## RESPONSE (Status Code: 207)

```
[
  {
    "headers": {},
    "body": <interactive-channel-object>/<error-msg>,
    "status": 201/400/500
  }
]
```

## Update Interactive Channels

PUT /Campaign/api/interact/rest/v2/channels/{icldOrName}

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name

## REQUEST

[Interactive Channel Object \(on page 38\)](#)



**RESPONSE (Status Code: 202)**[Interactive Channel Object \(on page 38\)](#)

## Delete Interactive Channels

DELETE /Campaign/api/interact/rest/v2/channels/{icldOrName}

**Parameters**

Name	Type	In	Description
icldOrName	string	Path	Interactive Channel id or name

**RESPONSE (Status Code: 204)**

no content

## Get All Audience levels

GET /Campaign/api/interact/rest/v2/channels/{icldOrName}/audiencelevels

**Output**

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name

**RESPONSE (Status Code: 200)**

```

"audienceLevels": [
  "audience1"
]
}

```

## Map Profile Tables

POST /Campaign/api/interact/rest/v2/channels/{icldOrName}/profiletables

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name

### REQUEST

```
{
  "audienceLevel": "string",
  "baseKeys": [
    "string"
  ],
  "baseTable": true,
  "dimKeys": [
    "string"
  ],
  "joinTable": "string",
  "joinType": 0,
  "preLoad": true,
  "tableName": "string",
  "unmap": true
}
```

### Un-map Table

```
{
  "audienceLevel": "Customer",
  "tableName": "Credit_Details",
  "unmap": true
}
```

```
}
```

**RESPONSE - Map Base Table (Status Code: 201)**

```
{  
  "audienceLevel": "audience1",  
  "baseTable": true,  
  "tableName": "tableName"  
}
```

**RESPONSE - Map Dimension Table (Status Code: 201)**

```
{  
  "audienceLevel": "audience1",  
  "baseKeys": [  
    "bkey1"  
  ],  
  "baseTable": false,  
  "dimKeys": [  
    "dkey1"  
  ],  
  "joinTable": "table-name1",  
  "joinType": 1,  
  "preLoad": false,  
  "tableName": "table-name2"  
}
```

**RESPONSE - Un-map Base Table (Status Code: 201)**

```
{  
  "audienceLevel": "audience1",  
  "tableName": "table-name",  
  "unmap": true  
}
```

```
}

```

## Get profile attributes for an audience level

GET /Campaign/api/interact/rest/v2/channels/{icldOrName}/  
profileattributes?audienceLevel={ai}

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
audienceLevel	string	query	Name of Audience Level

### RESPONSE (Status Code: 200)

```
[
  {
    "Real-time attributes": [
      {
        "attributes": [
          {
            "dataType": 0,
            "name": "string"
          }
        ]
      }
    ]
  },
  {
    "audience1": [
      {
```

```

    "attributes": [
      {
        "dataType": 0,
        "name": "string"
      }
    ],
    "tableName": "string"
  }
]
}
]

```

## Zone and Interaction Point Wrapper

These APIs are used to perform CRUD operations on zones and interaction points.

## Objects

For abbreviations, see the [Abbreviations \(on page 4\)](#) topic.

Attribute Name	Type	Description	Re- quired Cr	Re- quired Up
id	num- ber	Unique id	x	x
name	string	Zone name	✓	
description	string	Description of the zone		
interaction- Points	ar- ray-ob- ject	List of Interaction Point object		

percentRandom	number	Random Percentage		
ruleGroupResolutionType	number	<p>For rule groups in this zone, resolve non-uniform learning rules</p> <ul style="list-style-type: none"> <li>• 1: Intermix - apply current learning mode</li> <li>• 2: Prioritize non-learning offers</li> <li>• 3: Prioritize learning offers</li> <li>• 4: Prioritize non-learning offers: dedupe</li> <li>• 5: Prioritize learning offers: dedupe</li> </ul>		
learningMode	number	<p>Learning mode</p> <ul style="list-style-type: none"> <li>• 1: Learning mode not set at this level; inherit setting</li> <li>• 2: Use Marketer score</li> <li>• 3: Use Learning score</li> </ul>	✓	
learningModelID	number	Learning Model id		

## Zone - object

For details, see the [Objects \(on page 46\)](#) topic.

Zone <zone-object>

```
{
  "description": "string",
  "id": 0,
  "interactionPoints": [
    <interaction-points-object>
  ],
}
```

```

"learningMode": 0,
"learningModelID": 0,
"name": "string",
"percentRandom": 0,
"ruleGroupResolutionType": 0
}

```

### Interaction Point <interaction-points-object>

```

{
  "defaultString": "string",
  "description": "string",
  "id": 0,
  "name": "string"
}

```

## Get All Zones

### Get All Zones

GET /Campaign/api/interact/rest/v2/channels/{icldOrName}/zones

### Parameters

Name	Type	In	Description
icldOr-Name	string	path	Interactive Channel id or name
page	number	query	nth page to retrieve records. Default is 0 (first page).
size	number	query	Number of records per page. Default is 10.

### Response (Status Code: 200)

For <zone-object> code, see the [Zone - object \(on page 47\)](#) topic.

```

{
  "content": [
    <zone-object>
  ],
  "page": {
    "hasNext": true,
    "hasPrev": true,
    "pageNumber": 0,
    "size": 0,
    "totalElements": 0,
    "totalPages": 0
  }
}

```

## Get Zone

GET /Campaign/api/interact/rest/v2/channels/{icldOrName}/zones/{zoneldOrName}

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
zoneldOr-Name	string	path	Zone id or name

### RESPONSE (Status Code: 200)

[Zone - object \(on page 47\)](#)

## Create Zones

POST /Campaign/api/interact/rest/v2/channels/{icldOrName}/zones



## Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name

## REQUEST

For <zone-object> code, see the [Zone - object \(on page 47\)](#) topic.

```
{
  "zones": [
    <zone-object>
  ]
}
```

## RESPONSE (Status Code: 207)

```
[
  {
    "headers": {},
    "body": <zone-object>/<error-msg>,
    "status": 201/400/500
  }
]
```

## Update Zones

PUT /Campaign/api/interact/rest/v2/channels/{icIdOrName}/zones/  
{zoneName}

### Parameters

Name	Type	In	Description
------	------	----	-------------

icldOrName	string	path	Interactive Channel id or name
zoneldOr-Name	string	path	Zone id or name

**REQUEST**

[Zone - object \(on page 47\)](#)

**RESPONSE (Status Code: 202)**

[Zone - object \(on page 47\)](#)

**Delete a Zone or Interaction Points**

DELETE /Campaign/api/interact/rest/v2/channels/{icldOrName}/zones/{zoneldOrName}

**Parameters**

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
zoneldOr-Name	string	path	Zone id or name
onlyIP	bool	query	Flag to delete only interaction points from zone.

**RESPONSE (Status Code: 200)**

No response.

**Delete multiple zones**

DELETE /Campaign/api/interact/rest/v2/channels/{icldOrName}/zones

**Parameters**

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
ids	string	query	comma separated Zone IDs to be deleted.

**RESPONSE (Status Code: 200)**

No response.

## Category

These APIs are used to perform CRUD operations on categories.

## Objects

For abbreviations, see the [Abbreviations \(on page 4\)](#) topic.

Attribute Name	Type	Description	Re-quired Cr	Re-quired Up
id	number	Unique id	x	x
name	string	Zone name	✓	
description	string	Description of the zone		
systemDefined	bool	Indicates system defined category	x	x

## Category - Objects

For details, see the [Objects \(on page 52\)](#) topic.

Category<category-object>

```
{
  "description": "string",
  "id": 0,
  "name": "string",
  "systemDefined": true
}
```

## Get All Categories

GET /Campaign/api/interact/rest/v2/channels/{icldOrName}/categories

Name	Type	In	Description
icldOr-Name	string	path	Interactive Channel id or name
page	number	query	nth page to retrieve records. Default is 0 (first page).
size	number	query	Number of records per page. Default is 10.

### RESPONSE (Status Code: 200)

For <category-object>, see the [Category - Objects \(on page 52\)](#) topic.

```
{
  "content": [
    <category-object>
  ],
  "page": {
    "hasNext": true,
    "hasPrev": true,
    "pageNumber": 0,
  }
}
```

```

    "size": 0,
    "totalElements": 0,
    "totalPages": 0
  }
}

```

## Get Category

GET /Campaign/api/interact/rest/v2/channels/{icldOrName}/categories/  
{categoryIdOrName}

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
zoneldOr- Name	string	path	Zone id or name

### RESPONSE (Status Code: 200)

[Category - Objects \(on page 52\)](#)

## Create Category

POST /Campaign/api/interact/rest/v2/channels/{icldOrName}/categories

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name

## REQUEST

For <category-object>, see the [Category - Objects \(on page 52\)](#) topic.

```
{
  "categories": [
    <category-object>
  ]
}
```

## RESPONSE (Status Code: 207)

```
[
  {
    "headers": {},
    "body": <category-object>/<error-msg>,
    "status": 201/400/500
  }
]
```

## Update Category

PUT /Campaign/api/interact/rest/v2/channels/{icldOrName}/categories/  
{categoryIdOrName}

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
categoryIdOrName	string	path	Category id or name

## REQUEST

[Category - Objects \(on page 52\)](#)

**RESPONSE (Status Code: 202)**[Category - Objects \(on page 52\)](#)

## Delete Category

DELETE /Campaign/api/interact/rest/v2/channels/{icldOrName}/categories/  
{categoryldOrName}

**Parameters**

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
categoryldOrName	string	path	Category id or name

**RESPONSE (Status Code: 200)**

No content

## Delete Multiple Categories

DELETE /Campaign/api/interact/rest/v2/channels/{icldOrName}/categories

**Parameters**

Name	Type	In	Description
icldOr- Name	string	path	Interactive Channel id or name
ids	string	query	Comma separated Category IDs to be deleted.

**RESPONSE (Status Code: 200)**

No content

## Event

These APIs are used to perform CRUD operations on Events.

## Objects

For abbreviations, see the [Abbreviations \(on page 4\)](#) topic.

### Event Object

Attribute Name	Type	Description	Re- quired Cr	Re- quired Up
Id	number	Unique id	x	x
Name	string	Event name	✓	
description	string	Description of the event		
eventType	Number	Event type  • I: Event	✓	
category	object	Category Object		
triggerResegmenta- tion	object	Predefined Event Action Ob- ject		
logOfferContact	object	Predefined Event Action Ob- ject		
logOfferAcceptance	object	Predefined Event Action Ob- ject		
logOfferRejection	object	Predefined Event Action Ob- ject		



executeExpression	object	Predefined Event Action Object		
eventActions	array-object	List of Event Action Object		
expression	object	Event Action Expression Object		
Pattern	object	Not required for Event	x	x
createBy	number	Created by user	x	x
createDate	number	Created date in Millis	x	x
updateBy	number	Updated by user	x	x
updateDate	number	Update date in Millis	x	x

### The Predefined Event Action Object

Attribute Name	Type	Description	Required Cr	Required Up
eventActionID	number	Unique id	x	x
enabled	bool	Enable / Disable Event Action	✓	
conditions	array-object	List of Event Action Condition Object		

### The Event Action Condition Object

Attribute Name	Type	Description	Required Cr	Required Up
----------------	------	-------------	-------------	-------------

id	number	Unique id	x	x
name	string	Parameter name	✓	✓
value	string	Parameter Value	✓	✓

## Event Action Object

Attribute Name	Type	Description	Re-quired Cr	Re-quired Up
eventActionID	number	Unique id	x	✓
actionID	number	Event action type  • 6: Event Action Inferred		
actionValue	number	Event action state  • 0 • 1		
eventType	number	Event action type id		
isAsync	bool	Async event action		
executionOrder	number	Event action execution order		
details	string	Event action details		

## Event Action Expression Object

Attribute Name	Type	Description	Re-quired	Re-quired
----------------	------	-------------	-----------	-----------

			Cr	Up
audienceLevel	string	Audience Level	✓	✓
expression	string	Expression	✓	✓
fieldName	string	Field Name		

## Category Object

Attribute Name	Type	Description	Required Cr	Required Up
id	number	Unique id	✓	
name	string	Zone name	x	x
description	string	Description of the zone	x	x
systemDefined	bool	Indicates system defined category	x	x

## Events - object

For details, see the [Objects \(on page 57\)](#) topic.

### Event <event-object>

```
"category": <category-object>,
"createBy": 0,
"createDate": 0,
"description": "string",
"eventActions": [
  <event-action-object>
],
```

```

"eventType": 0,
"executeExpression": <predefined-event-action-object>,
"expression": <event-action-expression-object>,
"id": 0,
"logOfferAcceptance": <predefined-event-action-object>,
"logOfferContact": <predefined-event-action-object>,
"logOfferRejection": <predefined-event-action-object>,
"name": "string",
"pattern": null,
"triggerResegmentation": <predefined-event-action-object>,
"updateBy": 0,
"updateDate": 0
}

```

### Predefined Event Action <predefined-event-action-object>

```

{
  "conditions": [
    <event-action-condition-object>
  ],
  "enabled": true,
  "eventActionID": 0
}

```

### Event Action Condition <event-action-condition-object>

```

{
  "id": 0,
  "name": "string",
  "value": "string"
}

```

### Event Action <event-action-object>

```

{
  "actionID": 0,
  "actionValue": 0,
  "async": true,
  "condition": [
    {
      "id": 0,
      "name": "string",
      "value": "string"
    }
  ],
  "details": "string",
  "eventActionID": 0,
  "eventType": 0,
  "executionOrder": 0,
  "inferredEvents": [
    0
  ]
}

```

### Event Action Expression <event-action-expression-object>

```

{
  "audienceLevel": "string",
  "expression": "string",
  "fieldName": "string"
}

```

### Category <category-object>

```

{
  "description": "string",
  "id": 0,
  "name": "string",

```

```
"systemDefined": true
}
```

## Get All Events

GET /Campaign/api/interact/rest/v2/channels/{icldOrName}/events

### Parameters

Name	Type	In	Description
icldOr-Name	string	path	Interactive Channel id or name
page	number	query	nth page to retrieve records. Default is 0 (first page).
size	number	query	Number of records per page. Default is 10.

### RESPONSE (Status Code: 200)

For <event-object>, see the [Events - object \(on page 60\)](#) topic.

```
{
  "content": [
    <event-object>
  ],
  "page": {
    "hasNext": true,
    "hasPrev": true,
    "pageNumber": 0,
    "size": 0,
    "totalElements": 0,
    "totalPages": 0
  }
}
```

}

## Get Event

GET /Campaign/api/interact/rest/v2/channels/{icldOrName}/events/  
{eventIdOrName}

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
eventIdOr- Name	string	path	Event id or name

### RESPONSE (Status code: 200)

[Events - object \(on page 60\)](#)

## Create Events

### Create

POST /Campaign/api/interact/rest/v2/{icldOrName}/events

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name

### REQUEST

For <event-object>, see the [Events - object \(on page 60\)](#) topic.

```
{
  "events": [
    <event-object>
  ]
}
```

### RESPONSE (Status code: 207)

```
[
  {
    "headers": {},
    "body": <event-object>/<error-msg>,
    "status": 201/400/500
  }
]
```

## Update Event

### Update

PUT /Campaign/api/interact/rest/v2/channels/{icIdOrName}/events/  
{eventIdOrName}

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
eventIdOr- Name	string	path	Event id or name

### REQUEST

[Events - object \(on page 60\)](#)

### RESPONSE (Status code: 202)



[Events - object \(on page 60\)](#)

## Delete Events

DELETE /Campaign/api/interact/rest/v2/channels/{icIdOrName}/events/{eventIdOrName}

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
eventIdOr-Name	string	path	Event id or name

### RESPONSE (Status Code: 200)

No Content.

## Delete Multiple Events

DELETE /Campaign/api/interact/rest/v2/channels/{icIdOrName}/events

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
ids	string	query	Comma separated Event IDs to be deleted.

### RESPONSE (Status Code: 200)

No Content.

## Event Pattern

These APIs are used to perform CRUD operations on event patterns.

## Objects

For abbreviations, see the [Abbreviations \(on page 4\)](#) topic.

### Event Pattern Object

Attribute Name	Type	Description	Re- quired Cr	Re- quired Up
Id	number	Unique id	x	x
Name	string	Event name	✓	
description	string	Description of the event		
eventType	Number	Event type  • 8: Event Pattern	✓	
category	object	Category Object		
triggerResegmentation	object	Predefined Event Action Object		
logOfferContact	object	Predefined Event Action Object		
logOfferAcceptance	object	Predefined Event Action Object		
logOfferRejection	object	Predefined Event Action Object		
executeExpression	object	Predefined Event Action Object		

eventActions	array-object	List of Event Action Object		
expression	object	Event Action Expression Object		
Pattern	object	Not required for Event	x	x
createBy	number	Created by user	x	x
createDate	number	Created date in Millis	x	x
updateBy	number	Updated by user	x	x
updateDate	number	Update date in Millis	x	x

### The Predefined Event Action Object

Attribute Name	Type	Description	Required Cr	Required Up
eventActionID	number	Unique id	x	x
enabled	bool	Enable / Disable Event Action	✓	
conditions	array-object	List of Event Action Condition Object		

### The Event Action Condition Object

Attribute Name	Type	Description	Required Cr	Required Up
id	number	Unique id	x	x

name	string	Parameter name	✓	✓
value	string	Parameter Value	✓	✓

## Event Action Object

Attribute Name	Type	Description	Required Cr	Required Up
eventActionID	number	Unique id	x	✓
actionID	number	Event action type  • 6: Event Action Inferred		
actionValue	number	Event action state  • 0 • 1		
eventType	number	Event action type id		
isAsync	bool	Async event action		
executionOrder	number	Event action execution order		
details	string	Event action details		

## Event Action Expression Object

Attribute Name	Type	Description	Required Cr	Required Up
----------------	------	-------------	-------------	-------------

audienceLevel	string	Audience Level	✓	✓
expression	string	Expression	✓	✓
fieldName	string	Field Name		

## Category Object

Attribute Name	Type	Description	Re-quired Cr	Re-quired Up
id	number	Unique id	✓	
name	string	Zone name	x	x
description	string	Description of the zone	x	x
systemDefined	bool	Indicates system defined category	x	x

## Pattern Object

Attribute Name	Type	Description	Re-quired Cr	Re-quired Up
type	number	Event pattern type <ul style="list-style-type: none"> <li>• 1: And</li> <li>• 2: Counter</li> <li>• 3: Score</li> <li>• 4: Time And</li> <li>• 5: Time Counter</li> <li>• 6: Time Score</li> </ul>	✓	

		<ul style="list-style-type: none"> <li>• 7: Rolling And</li> <li>• 8: Rolling Counter</li> <li>• 9: Rolling Score</li> </ul>		
enabled	bool	Enable / Disable Event pattern	✓	
async	bool	Async event pattern		
startTime	number	Start time in Millis		
endTime	number	End time in Millis		
timeDuration	number	Time duration		
resetDuration	number	Extend true state		
matchTotal	number	Number of occurrences of the selected event when pattern fires		
itemEvent	array-object	Event Pattern Item Object		
reset	object	Reset Pattern Object		

### Event Pattern item Object

Attribute Name	Type	Description	Required Cr	Required Up
id	number	Unique id	✓	
eventId	number	Event id to trigger	✓	

name	string	Pattern item name		
value	number	Pattern item value		
attributes	array-object	Parameter Object		

## Parameter Object

Attribute Name	Type	Description	Re-quired Cr	Re-quired Up
id	number	Unique id	û	û
name	string	Parameter name	✓	✓
comparator	string	Comparator		
dataType	number	Data type <ul style="list-style-type: none"> <li>• 1: String</li> <li>• 2: Numeric</li> <li>• 3: Datetime</li> <li>• 4: Currency</li> </ul>	✓	✓
value	string	Parameter value	✓	✓

## Reset Pattern Object

Attribute Name	Type	Description	Re-quired Cr	Re-quired Up
id	number	Unique id	x	x

type	number	Reset pattern type  • 0: None • 1: Inactivity • 2: Periodic • 3: Event Based	✓	✓
intervalType	string	Interval type  • h: Hour • d: Day • w: Week • m: Month		
interval	number	Interval	✓	✓
startTime	number	Start time in ms		
eventId	number	Event id to trigger after re-set		

## Event Pattern - object

For details, see the [Objects \(on page 67\)](#) topic.

### Event pattern <event-pattern-object>

```
{
  "category": <category-object>,
  "createBy": 0,
  "createDate": 0,
  "description": "string",
  "eventActions": [
    <event-action-object>
  ],
  "eventType": 0,
```



```

"executeExpression": <predefined-event-action-object>,
"expression": <event-action-expression-object>,
"id": 0,
"logOfferAcceptance": <predefined-event-action-object>,
"logOfferContact": <predefined-event-action-object>,
"logOfferRejection": <predefined-event-action-object>,
"name": "string",
"pattern": <pattern-object>,
"triggerResegmentation": <predefined-event-action-object>,
"updateBy": 0,
"updateDate": 0
}

```

### Predefined Event Action <predefined-event-action-object>

```

{
  "conditions": [
    <event-action-condition-object>
  ],
  "enabled": true,
  "eventActionID": 0
}

```

### Event Action Condition <event-action-condition-object>

```

{
  "id": 0,
  "name": "string",
  "value": "string"
}

```

### Event Action <event-action-object>

```

{
  "actionID": 0,
  "actionValue": 0,
  "async": true,
  "condition": [
    <event-action-condition-object>
  ],
  "details": "string",
  "eventActionID": 0,
  "eventType": 0,
  "executionOrder": 0,
  "inferredEvents": [
    0
  ]
}

```

### Event Action Expression <event-action-expression-object>

```

{
  "audienceLevel": "string",
  "expression": "string",
  "fieldName": "string"
}

```

### Pattern <pattern-object>

```

{
  "async": true,
  "enabled": true,
  "endTime": 0,
  "itemEvent": [
    <event-pattern-item-object>
  ],
  "matchTotal": 0,
}

```

```

"reset": <reset-pattern-object>,
"resetDuration": 0,
"startTime": 0,
"timeDuration": 0,
"type": 0
}

```

### Event Pattern Item <event-pattern-item-object>

```

{
  "attributes": [
    <parameter-object>
  ],
  "eventId": 0,
  "id": 0,
  "name": "string",
  "value": 0
}

```

### Parameter <parameter-object>

```

{
  "comparator": "string",
  "dataType": 0,
  "id": 0,
  "name": "string",
  "value": "string"
}

```

### Reset Pattern <reset-pattern-object>

```

{
  "eventId": 0,
  "id": 0,
  "interval": 0,

```

```

"intervalType": "string",
"startTime": 0,
"type": 0
}

```

### Category <category-object>

```

{
  "description": "string",
  "id": 0,
  "name": "string",
  "systemDefined": true
}

```

## Get All Event Patterns

GET /Campaign/api/interact/rest/v2/channels/{icldOrName}/eventpatterns

### Parameters

Name	Type	In	Description
icldOr-Name	string	path	Interactive Channel id or name
page	number	query	nth page to retrieve records. Default is 0 (first page).
size	number	query	Number of records per page. Default is 10.

### RESPONSE (Status code: 200)

For <event-pattern-object>, see the [Event Pattern - object \(on page 73\)](#) topic.

```

{
  "content": [
    <event-pattern-object>
  ],
  "page": {
    "hasNext": true,
    "hasPrev": true,
    "pageNumber": 0,
    "size": 0,
    "totalElements": 0,
    "totalPages": 0
  }
}

```

## Get Event Pattern

### Get

GET /Campaign/api/interact/rest/v2/channels/{icIdOrName}/eventpatterns/  
{eventpatternsIdOrName}

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
eventIdOr- Name	string	path	Event id or name

### RESPONSE (Status code: 200)

[Event Pattern - object \(on page 73\)](#)

## Create Event Pattern

POST /Campaign/api/interact/rest/v2/channels/{icIdOrName}/eventpatterns

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name

### REQUEST

For <event-pattern-object>, see the [Event Pattern - object \(on page 73\)](#) topic.

```
{
  "events": [
    <event-pattern-object>
  ]
}
```

### RESPONSE (Status code: 207)

```
[
  {
    "headers": {},
    "body": <event-pattern-object>/<error-msg>,
    "status": 201/400/500
  }
]
```

## Update Event Pattern

### Update

PUT /Campaign/api/interact/rest/v2/channels/{icIdOrName}/eventpatterns/{evtpatternIdOrName}

**Parameters**

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
evtpatternIdOr- Name	string	path	Event pattern id or name

**REQUEST**

[Event Pattern - object \(on page 73\)](#)

**RESPONSE (Status code: 202)**

[Event Pattern - object \(on page 73\)](#)

**Delete Event Pattern**

DELETE /Campaign/api/interact/rest/v2/{icldOrName}/eventpatterns/  
{evtpatternIdOrName}

**Parameters**

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
eventIdOr- Name	string	path	Event id or name

**RESPONSE (Status code: 200)**

No content

**Delete Multiple Event Patterns**

DELETE /Campaign/api/interact/rest/v2/channels/{icIdOrName}/  
eventpatterns

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
ids	string	query	comma separated Event IDs to be deleted.

### RESPONSE (Status code: 200)

No content

## Strategy

### Description

These APIs are used to perform CRUD operations on the strategy.

## Objects

For abbreviations, see the [Abbreviations \(on page 4\)](#) topic.

### Strategy Object

Attribute Name	Type	Description	Re- quired Cr	Re- quired Up	Re- quired Cp
id	num- ber	Unique id	x	x	x
name	string	Strategy name	✓		✓
description	string	Description of the strategy			



campaignId	number	Linked campaign id			
campaignName	string	Linked campaign name	x	x	x
campaignCode	string	Linked campaign code	x	x	x
interactiveChannelId	number	Interactive channel id	x	x	x
interactiveChannelName	string	Interactive channel name	x	x	x
createBy	number	Created by user	x	x	x
createDate	number	Created date in Millis	x	x	x
updateBy	number	Updated by user	x	x	x
updateDate	number	Update date in Millis	x	x	x
ruleCount	number	Rule count in strategy	x	x	x
lastProdDepTime	number	Last production deployment time in Millis	x	x	x

## Strategy - object

For details, see the [Objects \(on page 81\)](#) topic.

### Strategy <strategy-object>

```
{
  "campaignCode": "string",
  "campaignId": 0,
```

```

"campaignName": "string",
"createBy": "string",
"createDate": 0,
"description": "string",
"id": 0,
"interactiveChannelId": 0,
"interactiveChannelName": "string",
"lastProdDepTime": 0,
"name": "string",
"ruleCount": 0,
"updateBy": "string",
"updateDate": 0
}

```

## Get All Strategies

GET /Campaign/api/interact/rest/v2/channels/{icldOrName}/strategies

### Request Parameters

Name	Type	In	Description
icldOr-Name	string	path	Interactive Channel id or name
page	number	query	nth page to retrieve records. Default is 0 (first page).
size	number	query	Number of records per page. Default is 10.
mode	string	query	If value is <i>recent</i> , it returns 5 recently updated strategies. (Optional)

### Output

**Table I. Response Codes**

Success	200	Ok
Error	400	Inputs provided for the API are not valid.
Server Error	500	Internal Server Error. For more details, check the logs.

**RESPONSE (Status Code: 200)**

For <strategy-object>, see the [Strategy - object \(on page 82\)](#) topic.

```
{
  "content": [
    <strategy-object>
  ],
  "page": {
    "hasNext": true,
    "hasPrev": true,
    "pageNumber": 0,
    "size": 0,
    "totalElements": 0,
    "totalPages": 0
  }
}
```

**Get Strategy**

```
GET    /Campaign/api/interact/rest/v2/channels/{icldOrName}/strategies/
       {strategyIdOrName}
```

## Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
strategyIdOr- Name	string	path	Strategy id or name

### RESPONSE (Status code: 200)

[Strategy - object \(on page 82\)](#)

## Create Strategy

POST /Campaign/api/interact/rest/v2/channels/{icldOrName}/strategies

### REQUEST

[Strategy - object \(on page 82\)](#)

### RESPONSE (Status code: 201)

[Strategy - object \(on page 82\)](#)

## Update Strategy

### Update

PUT /Campaign/api/interact/rest/v2/channels/{icldOrName}/strategies/  
{strategyIdOrName}

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name

strategyIdOr- Name	string	path	Strategy id or name
-----------------------	--------	------	---------------------

**REQUEST**

[Strategy - object \(on page 82\)](#)

**RESPONSE (Status Code: 202)**

[Strategy - object \(on page 82\)](#)

## Delete Strategy

DELETE /Campaign/api/interact/rest/v2/channels/{icIdOrName}/strategies/  
{strategyIdOrName}

**Parameters**

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
strategyIdOr- Name	string	path	Strategy id or name

**RESPONSE (Status code: 200)**

No content

## Copy Strategy

POST /Campaign/api/interact/rest/v2/channels/{icIdOrName}/strategies/  
{strategyIdOrName}

**Parameters**

Name	Type	In	Description
------	------	----	-------------

icldOrName	string	path	Interactive Channel id or name
------------	--------	------	--------------------------------

**REQUEST**

[Strategy - object \(on page 82\)](#)

**RESPONSE (Status code: 201)**

[Strategy - object \(on page 82\)](#)

## Smart Rule

These APIs are used to perform CRUD operations on the Smart Rules.

## Objects

For abbreviations, see the [Abbreviations \(on page 4\)](#) topic.

### Smart Rule Object

Attribute Name	Type	Description	Re- quired Cr	Re- quired Up
id	number	Unique id	✓	✓
ruleName	string	Smart Rule name		
segmentId	number	Segment id		
segmentName	string	Segment name	x	x
cellId	number	Cell id		
cellCode	string	Cell code	x	x
zoneId	number	Zone id		
zoneName	string	Zone name	x	x

offerId	number	Offer id		
offerName	string	Offer name	x	x
offerCode	number	Offer code	x	x
offerType	number	Type of offer  • 0: Offer • 1: OfferList		
offerSelection	object	Offer Selection Policy Object		
offerAttrExpressions	array-object	List of Offer Attribute Expression Object		
groupByOfferName	string	Group by offer name		
ruleGroupName	string	Smart rule group name		
ruleGroups	array-object	List of Smart Rule Group Object		
score	number	Score		
scorePredicate	string	Predicate to calculate score		
scorePredicateEnabled	bool	Enable / Disable score predicate		
scorePredicateId	number	Predicate id for score		
enabled	Bool	Enable / Disable smart rule		
eligibilityPredicate	string	Predicate to define eligibility		
eligibilityPredicateEnabled	bool	Enable / Disable eligibility predicate		

eligibilityPredicateId	number	Predicate id for eligibility		
effectiveDate	number	Effective date in Millis		
expirationDate	number	Expiration date in Millis		
learningMode	number	Learning mode  <ul style="list-style-type: none"> <li>• 1: Learning mode not set at this level; inherit setting</li> <li>• 2: Use Marketer score</li> <li>• 3: Use Learning score</li> </ul>		
learningModelId	number	Learning model id		
lmName	string	Learning model name		
maxScore	number	Max Score		
suppressCount	number	Suppression count		
hasABTest	bool	Has A/B Test?		
abTest	object	A/B Test Object		

### Offer Selection Policy Object

Attribute Name	Type	Description	Required Cr	Required Up
num	number	Number of offers to return from offer list		
opt	number	Allowed offer selection policy		
param	string	Parameter	x	x



sort	string	Sort by	x	x
------	--------	---------	---	---

### Offer Attribute Expression Object

Attribute Name	Type	Description	Re-quired Cr	Re-quired Up
attrId	number	Unique id	✓	✓
attrName	string	Attribute name		
expression	string	Expression to calculate value for attribute	✓	✓

### Smart Rule Group Object

Attribute Name	Type	Description	Re-quired Cr	Re-quired Up
id	number	Unique id	✓	✓
name	string	Smart rule group name	x	x
description	string	Description of the smart rule group	x	x

### A/B test Branch Object

Attribute Name	Type	Description	Re-quired Cr	Re-quired Up
branchId	number	Unique id		
branchName	string	A/B testing branch name		

enabled	bool	Enable / Disable A/B testing branch		
isDefault	bool	Indicates A/B testing default branch		
samplePer- cent	number	Sample percentage for A/B testing branch		
acceptRate	number	Acceptance rate		
selected- Branch	bool	A/B testing branch selection		
cellId	number	Cell id		
cellCode	string	Cell code	x	x
offerId	number	Offer id		
offerName	string	Offer name	x	x
offerAttribut- es	array-ob- ject	List of Offer Attribute Expression Ob- ject		
delete	bool	Delete A/B testing branch flag		

## Smart Rule - object

For details, see the [Objects \(on page 87\)](#) topic.

### Smart Rule <smart-rule-object>

```
{
  "abTest": <ab-test-object>,
  "cellCode": "string",
  "cellId": 0,
  "effectiveDate": 0,
  "eligibilityPredicate": "string",
  "eligibilityPredicateEnabled": true,
  "eligibilityPredicateId": 0,
  "enabled": true,
```

```

"expirationDate": 0,
"groupByOfferName": "string",
"hasABTest": true,
"id": 0,
"learningMode": 0,
"learningModelId": 0,
"lmName": "string",
"maxScore": true,
"offerAttrExpressions": [
  <offer-attribute-expression-object>
],
"offerCode": "string",
"offerId": 0,
"offerName": "string",
"offerSelection": <offer-selection-policy-object>,
"offerType": 0,
"ruleGroupName": "string",
"ruleGroups": [
  <smart-rule-group-object>
],
"ruleName": "string",
"score": 0,
"scorePredicate": "string",
"scorePredicateEnabled": true,
"scorePredicateId": 0,
"segmentId": 0,
"segmentName": "string",
"suppressCount": 0,
"zoneId": 0,
"zoneName": "string"
}

```

### Offer Selection Policy <offer-selection-policy-object>

```
{
  "num": 0,
  "opt": 0,
  "param": "string",
  "sort": "string"
}
```

### Offer Attribute Expression <offer-attribute-expression-object>

```
{
  "attrId": 0,
  "attrName": "string",
  "expression": "string"
}
```

### A/B Test <ab-test-object>

```
{
  "branches": [
    <ab-test-branch-object>
  ],
  "effectiveDate": 0,
  "enabled": true,
  "expirationDate": 0,
  "readOnly": true,
  "selectionMode": 0,
  "status": "string"
}
```

### A/B Test Branch <ab-test-branch-object>

```
{
  "acceptRate": 0,
  "branchId": 0,
  "branchName": "string",
}
```

```

"cellCode": "string",
"cellId": 0,
"delete": true,
"enabled": true,
"isDefault": true,
"offerAttributes": [
  <offer-attribute-expression-object>
],
"offerId": 0,
"offerName": "string",
"samplePercent": 0,
"selectedBranch": true
}

```

### Smart Rule Group <smart-rule-group-object>

```

{
  "description": "string",
  "id": 0,
  "name": "string"
}

```

## Get All Smart Rules

GET /Campaign/api/interact/rest/v2/channels/{icldOrName}/strategies/  
 {strategyIdOrName}/rules

### Parameters

Name	Type	In	Description
icldOr- Name	string	path	Interactive Channel id or name

strategyId-OrName	string	path	Strategy id or name
page	number	query	nth page to retrieve records. Default is 0 (first page).
size	number	query	Number of records per page. Default is 10.
abtOnly	bool	query	If value is <i>true</i> , it returns smart rules with A/B testing data. (Optional)

### RESPONSE (Status Code: 200)

For <smart-rule-object>, see the [Smart Rule - object \(on page 91\)](#) topic.

```
{
  "content": [
    <smart-rule-object>
  ],
  "page": {
    "hasNext": true,
    "hasPrev": true,
    "pageNumber": 0,
    "size": 0,
    "totalElements": 0,
    "totalPages": 0
  }
}
```

## Get Smart Rule

```
GET    /Campaign/api/interact/rest/v2/channels/{icIdOrName}/strategies/
       {strategyIdOrName}/rules/{ruleIdOrName}
```

## Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
strategyIdOr- Name	string	path	Strategy id or name
ruleIdOrName	string	path	Smart rule id or name

## RESPONSE (Status code: 200)

[Smart Rule - object \(on page 91\)](#)

## Save Smart Rules

Create, Update, and delete smart rules

POST /Campaign/api/interact/rest/v2/channels/{icIdOrName}/strategies/{strategyIdOrName}/rules

## Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
strategyIdOr- Name	string	query	Strategy id or name

## REQUEST

For <smart-rule-object>, see the [Smart Rule - object \(on page 91\)](#) topic.

```
{
  "toAdd": [
```

```

    <smart-rule-object>
  ],
  "toDelete": [
    0
  ],
  "toUpdate": [
    <smart-rule-object>
  ]
}

```

**RESPONSE (Status Code: 202)**

No content.

## Delete Smart Rules

DELETE /Campaign/api/interact/rest/v2/channels/{icIdOrName}/strategies/  
{strategyIdOrName}/rules

**Parameters**

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
strategyIdOr- Name	string	path	Strategy id or name
ids	string	query	comma separated Smart rule IDs to be deleted.

**RESPONSE (Status Code: 202)**

No content.

## Strategy Deployment

**Description**



These APIs are used to perform (un) deploy operations on the strategy.

## Objects

For abbreviations, see the [Abbreviations \(on page 4\)](#) topic.

### Strategy deployment Object

Attribute Name	Type	Description	Re- quired Cr	Re- quired Up
campaignId	num- ber	Campaign id		
deployAction	string	Deployment action <ul style="list-style-type: none"> <li>• markDeploy</li> <li>• markUnDeploy</li> <li>• cancelDeploy</li> <li>• cancelUnDeploy</li> </ul>	✓	✓
state	num- ber	State <ul style="list-style-type: none"> <li>• 0: Ready for Deployment</li> <li>• 1: Ready for Undeployment</li> <li>• 2: Mark for Deployment</li> <li>• 3: Mark for Undeployment</li> </ul>	x	x
deployedState	num- ber	Deployed state <ul style="list-style-type: none"> <li>• 10: Not Yet Deployed</li> <li>• 11: Deployed</li> <li>• 12: Undeployed</li> </ul>	x	x
dirty	bool	Dirty deployment flag	x	x

lastProdDepTime	date	Last production deployment time	x	x
lastMarkTime	date	Last (un) marked for (un) deployment time	x	x
deploymentStatus-Text	string	Status text	x	x
deploymentWaitMessage	string	Waiting message	x	x

## Strategy Deployment - object

For details, see the [Objects \(on page 98\)](#) topic.

### Strategy Deployment<strategy-deployment-object>

```
{
  "campaignId": 0,
  "deployAction": "string",
  "deployedState": 0,
  "deploymentStatusText": "string",
  "deploymentWaitMessage": "string",
  "dirty": true,
  "lastMarkTime": "2021-01-01T01:02:03.456Z",
  "lastProdDepTime": "2021-01-01T01:02:03.456Z",
  "state": 0
}
```

## Get Deployment State

### Get Deployment State

```
GET    /Campaign/api/interact/rest/v2/channels/{icldOrName}/strategies/
       {strategyIdOrName}/deployment
```

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
strategyIdOr- Name	string	path	Strategy id or name

**RESPONSE (Status Code: 200)**

[Strategy Deployment - object \(on page 99\)](#)

**Mark for (Un) Deployment**

PUT /Campaign/api/interact/rest/v2/channels/{icldOrName}/strategies/  
{strategyIdOrName}/deployment

**Parameters**

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
strategyIdOr- Name	string	path	Strategy id or name

**REQUEST**

[Strategy Deployment - object \(on page 99\)](#)

**RESPONSE (Status code: 202)**

[Strategy Deployment - object \(on page 99\)](#)

**Cancel mark for (Un) Deployment**

DELETE /Campaign/api/interact/rest/v2/channels/{icldOrName}/strategies/  
{strategyIdOrName}/deployment

## Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
strategyIdOr- Name	string	path	Strategy id or name

## REQUEST

[Strategy Deployment - object \(on page 99\)](#)

## RESPONSE (Status Code: 200)

[Strategy Deployment - object \(on page 99\)](#)

## Smart Rule Group

These APIs are used to perform CRUD operations on the Smart Rule Group.

## Objects

For abbreviations, see the [Abbreviations \(on page 4\)](#) topic.

### Smart Rule Group Object

Attribute Name	Type	Description	Re- quired Cr	Re- quired Up
id	number	Unique id	x	
name	string	Smart Rule Group name	✓	
description	string	Description of the Smart Rule Group		

strategyId	number	Strategy id	x	x
createBy	number	Created by user	x	x
createDate	number	Created date in Millis	x	x
updateBy	number	Updated by user	x	x
updateDate	number	Update date in Millis	x	x
ruleIdList	array-number	List of Smart rule ids	x	x

## Smart Rule Group - object

For details, see the [Objects \(on page 101\)](#) topic.

### Smart Rule Group <smart-rule-group-object>

```
{
  "createBy": 0,
  "createDate": 0,
  "description": "string",
  "id": 0,
  "name": "string",
  "ruleIdList": [
    0
  ],
  "strategyId": 0,
  "updateBy": 0,
  "updateDate": 0
}
```

## Get Smart Rule Groups by Strategy

### Get Smart Rule Groups by Strategy

GET /Campaign/api/interact/rest/v2/channels/{icldOrName}/strategies/  
{strategyIdOrName}/ruleGroups

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
strategyIdOr- Name	string	query	Strategy id or name
page	num- ber	query	nth page to retrieve records. Default is 0 (first page).
size	num- ber	query	Number of records per page. Default is 10.

### RESPONSE (Status Code: 200)

For <smart-rule-group-object>, see the [Smart Rule Group - object \(on page 102\)](#) topic.

```
{
  "content": [
    <smart-rule-group-object>
  ],
  "page": {
    "hasNext": true,
    "hasPrev": true,
    "pageNumber": 0,
    "size": 0,
    "totalElements": 0,
    "totalPages": 0
  }
}
```

## Get Smart Rule Groups by Smart Rule

GET `/Campaign/api/interact/rest/v2/channels/{icldOrName}/strategies/{strategyIdOrName}/ruleGroups/{ruleIdOrName}`

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
strategyIdOr-Name	string	query	Strategy id or name
ruleIdOrName	string	query	Smart rule id or name
page	number	query	nth page to retrieve records. Default is 0 (first page).
size	number	query	Number of records per page. Default is 10.

### RESPONSE (Status code: 200)

For <smart-rule-group-object>, see the [Smart Rule Group - object \(on page 102\)](#) topic.

```
{
  "content": [
    <smart-rule-group-object>
  ],
  "page": {
    "hasNext": true,
    "hasPrev": true,
    "pageNumber": 0,
    "size": 0,
    "totalElements": 0,
  }
}
```

```

    "totalPages": 0
  }
}

```

## Create Smart Rule Group

POST /Campaign/api/interact/rest/v2/channels/{icIdOrName}/strategies/  
{strategyIdOrName}/ruleGroups

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
strategyIdOr- Name	string	query	Strategy id or name

### REQUEST

[Smart Rule Group - object \(on page 102\)](#)

### RESPONSE (Status Code: 201)

[Smart Rule Group - object \(on page 102\)](#)

## Update Smart Rule Group

PUT /Campaign/api/interact/rest/v2/channels/{icIdOrName}/strategies/  
{strategyIdOrName}/ruleGroups/{ruleGroupIdOrName}

### Parameters

Name	Type	In	Description
icIdOrName	String	path	Interactive Channel id or name



strategyIdOrName	String	query	Strategy id or name
ruleGroupIdOr- Name	String	query	Smart rule group id or name

**REQUEST**

[Smart Rule Group - object \(on page 102\)](#)

**RESPONSE (Status Code: 202)**

[Smart Rule Group - object \(on page 102\)](#)

## Delete Smart Rule Group

DELETE /Campaign/api/interact/rest/v2/channels/{icIdOrName}/strategies/  
{strategyIdOrName}/ruleGroups/{ruleGroupIdOrName}

**Parameters**

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
strategyIdOrName	string	query	Strategy id or name
ruleGroupIdOr- Name	string	query	Smart rule group id or name

**RESPONSE (Status Code: 200)**

No content.

## FlexOffers

These APIs are used to perform CRUD operations on FlexOffers.

## Objects

For abbreviations, see the [Abbreviations \(on page 4\)](#) topic.

## FlexOffers Object

Attribute Name	Type	Description	Re- quired Cr	Re- quired Up
offerMappingId	number	Unique id	x	x
offerMapping- Name	string	FlexOffers name	✓	
offerMappingDe- sc	string	Description of the FlexOffers		
delimiter	string	Delimiter used to parse csv		
fields	array-ob- ject	List of FlexOffers Attribute Object		
filterfields	array-ob- ject	List of FlexOffers Attribute Object		
override	bool	Override FlexOffers		
physicalTable- Name	string	Database table name		
serverGroups	array-ob- ject	List of FlexOffers Server Group Ob- ject		
sourceFileName	string	Source file name		
sourceSG	string	Source server group name		
lastProdDep- Time	number	Last production deployment time in Millis	x	x
createBy	number	Created by user	x	x

createDate	number	Created date in Millis	x	x
updateBy	number	Updated by user	x	x
updateDate	number	Update date in Millis	x	x

### FlexOffers Attribute Object

Attribute Name	Type	Description	Re-quired Cr	Re-quired Up
name	string	Attribute name	✓	
displayName	string	Display name for attribute		
dynamic	bool	Is attribute dynamic?		
relation	string	Relational operator <ul style="list-style-type: none"> <li>• EQUAL</li> <li>• GREATER</li> <li>• GREATEREQUAL</li> <li>• LESS</li> <li>• LESSSQUEAL</li> <li>• NOTEQUAL</li> <li>• STARTSWITH</li> <li>• ENDSWITH</li> <li>• CONTAINS</li> </ul>		
size	number	Size		
type	string	Data type <ul style="list-style-type: none"> <li>• STRING</li> <li>• LONG</li> </ul>	✓	

		<ul style="list-style-type: none"> <li>• BIT</li> <li>• INTEGER</li> <li>• DATE</li> <li>• FLOAT</li> </ul>		
dateFormat	string	Date format		
value	object	Attribute Value		

## FlexOffers Server Group Object

Attribute Name	Type	Description	Re-quired Cr	Re-quired Up
name	string	Server group name	✓	
table	string	Table name specific to Server Group	✓	

## FlexOffers - object

For details, see the [Objects \(on page 106\)](#) topic.

### FlexOffers <flexoffers-object>

```
{
  "createBy": 0,
  "createDate": "2021-05-19T08:10:33.308Z",
  "delimiter": "string",
  "fields": [
    <flex-offer-attribute-object>
  ],
  "filterfields": [
    <flex-offer-attribute-object>
  ],
}
```

```

"lastProdDepTime": "2021-05-19T08:10:33.308Z",
"offerMappingId": 0,
"offerMappingDesc": "string",
"offerMappingName": "string",
"override": true,
"physicalTableName": "string",
"serverGroups": [
  <flex-offer--server-group-object>
],
"sourceFileName": "string",
"sourceSG": "string",
"updateBy": 0,
"updateDate": "2021-05-19T08:10:33.309Z"
}

```

#### FlexOffers Attribute <flex-offer-attribute-object>

```

{
  "dateFormat": "string",
  "displayName": "string",
  "dynamic": true,
  "name": "string",
  "relation": "string",
  "size": 0,
  "type": "string",
  "value": {}
}

```

#### FlexOffers Server Group <flex-offer--server-group-object>

```

{
  "name": "string",
  "table": "string"
}

```

## Get All FlexOffers

GET /Campaign/api/interact/rest/v2/channels/{icldOrName}/flexoffers

### Parameters

Name	Type	In	Description
icldOr-Name	string	path	Interactive Channel id or name
page	number	query	nth page to retrieve records. Default is 0 (first page).
size	number	query	Number of records per page. Default is 10.

### RESPONSE (Status code: 200)

For <flex-offer-object>, see the [FlexOffers - object \(on page 109\)](#) topic.

```
{
  "content": [
    <flex-offer-object>
  ],
  "page": {
    "hasNext": true,
    "hasPrev": true,
    "pageNumber": 0,
    "size": 0,
    "totalElements": 0,
    "totalPages": 0
  }
}
```

## Get FlexOffers

GET /Campaign/api/interact/rest/v2/channels/{icIdOrName}/flexoffers/  
{flexofferIdOrName}

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
flexofferIdOr- Name	string	path	Flex Offer id or name

### RESPONSE (Status code: 200)

[FlexOffers](#) - object ([on page 109](#)) topic.

## Create FlexOffers

POST /Campaign/api/interact/rest/v2/channels/{icIdOrName}/flexoffers

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name

### RESPONSE (Status code: 201)

[FlexOffers](#) - object ([on page 109](#)).

## Create FlexOffers from Imported Csv

POST /Campaign/api/interact/rest/v2/channels/{icIdOrName}/flexoffers/  
uploadfile

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
file	multipart-file	form-data	CSV File

**REQUEST**

[FlexOffers - object \(on page 109\)](#)

**RESPONSE (Status code: 201)**

[FlexOffers - object \(on page 109\)](#)

## Update FlexOffers

PUT /Campaign/api/interact/rest/v2/channels/{icldOrName}/flexoffers//  
{flexofferIdOrName}

**Parameters**

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
flexofferIdOr- Name	string	path	Flex Offer id or name
targetServerGroup	string	query	Target Server Group name. (Optional)

**REQUEST**

[FlexOffers - object \(on page 109\)](#)

**RESPONSE (Status code: 202)**

[FlexOffers - object \(on page 109\)](#)

## Copy FlexOffers



PUT /Campaign/api/interact/rest/v2/channels/{icldOrName}/flexoffers//  
 {flexofferIdOrName}

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
flexofferIdOr- Name	string	path	Flex Offer id or name
targetServerGroup	string	query	Target Server Group name

### REQUEST

[FlexOffers - object \(on page 109\)](#)

### RESPONSE (Status code: 202)

[FlexOffers - object \(on page 109\)](#)

## Delete FlexOffers

DELETE /Campaign/api/interact/rest/v2/channels/{icldOrName}/flexoffers//  
 {flexofferIdOrName}

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
flexofferIdOr- Name	string	path	Flex Offer id or name

### RESPONSE (Status code: 200)

No content

## Get All Server Groups

GET /Campaign/api/interact/rest/v2/servergroups

### Parameters

Name	Type	In	Description
all	bool	query	Get all server group flag. (Default: false) (Optional)

### RESPONSE (Status code: 200)

```
[
  "SG1",
  "SG2"
]
```

## Get Server Group Details

GET /Campaign/api/interact/rest/v2/servergroups/{servergroupname}

### Parameters

Name	Type	In	Description
serverGroup-Name	string	path	Server Group name

### RESPONSE (Status code: 200)

```
{
  "dataSource": "string",
  "instanceURLs": [
    "string"
  ],
  "serverGroupName": "string"
}
```

## Get All Tables by Server Group

GET /Campaign/api/interact/rest/v2/tables

### Parameters

Name	Type	In	Description
serverGroup-Name	string	path	Server Group name

### RESPONSE (Status code: 200)

```
[
  "SG1",
  "SG2"
]
```

## FlexOffers Rules

These APIs are used to perform CRUD operations on FlexOffers rules.

## Objects

For abbreviations, see the [Abbreviations \(on page 4\)](#) topic.

### FlexOffers Rule Object

Attribute Name	Type	Description	Required	Cr Up
offerMappingRowID	number	Unique id		

cellId	number	Cell id	✓	
cellCode	string	Cell code		
zoneId	number	Zone id		
zoneName	string	Zone name		
offerId	number	Offer id	✓	✓
offerCode	string	Offer name		
offerName	string	Offer code		
parameterizedOffer- Attribute	string	Parameterized Offer Attribute	x	
enabled	bool	Enable / Disable rule		
eligibilityPredicateEn- abled	bool	Enable / Disable eligibility predicate		
eligibilityPredicateId	number	Predicate id for eligibility	x	
eligibilityPredicate	string	Predicate to define eligibility		
effectiveDate	number	Effective date in Millis		
expirationDate	number	Expiration date in Millis		
score	number	Score	✓	✓
scorePredicate	string	Predicate to calculate score		
scorePredicateEn- abled	bool	Enable / Disable score predicate		
scorePredicateId	number	Predicate id for score	x	
learningMode	number	Learning mode  I: Learning mode not set at this level; inherit setting		

		2: Use Marketer score 3: Use Learning score		
learningModelId	number	Learning model id		
ImName	string	Learning model name		
offerAttrExpressions	array-object	List of Offer Attribute Expression Object		
userdefinedFields	array-object	List of Offer Mapping Attribute Object		
userdefinedFields-Map	map	Offer Attribute map	x	
createBy	number	Created by user	x	x
createDate	number	Created date in Millis	x	x
updateBy	number	Updated by user	x	x
updateDate	number	Update date in Millis	x	x

### Offers Attribute Expression Object

Attribute Name	Type	Description	Required Cr	Required Up
attrId	number	Unique id	✓	✓
attrName	string	Attribute name		
expression	string	Expression to calculate value for attribute	✓	✓

## Offer Mapping Attribute Object

Attribute Name	Type	Description	Required Cr Up	
name	string	Attribute name		
displayName	string	Display name for attribute		
relation	string	Relational operator <ul style="list-style-type: none"> <li>• EQUAL</li> <li>• GREATER</li> <li>• GREATEREQUAL</li> <li>• LESS</li> <li>• LESSSQUEAL</li> <li>• NOTEQUAL</li> <li>• STARTSWITH</li> <li>• ENDSWITH</li> <li>• CONTAINS</li> </ul>		
size	number	Size		
type	string	Data type <ul style="list-style-type: none"> <li>• STRING</li> <li>• LONG</li> <li>• BIT</li> <li>• INTEGER</li> <li>• DATE</li> <li>• FLOAT</li> <li>• DOUBLE</li> </ul>		
dateFormat	string	Date format		
value	object	Attribute Value		

## FlexOffers Rule - object

For details, see the [Objects \(on page 116\)](#) topic.

### FlexOffers Rule<flexoffers-rule-object>

```
{
  "cellCode": "string",
  "cellId": 0,
  "createBy": 0,
  "createDate": "2021-05-19T08:19:46.467Z",
  "effectiveDate": 0,
  "eligibilityPredicate": "string",
  "eligibilityPredicateEnabled": true,
  "eligibilityPredicateId": 0,
  "enabled": true,
  "expirationDate": 0,
  "learningMode": 0,
  "learningModelId": 0,
  "lmName": "string",
  "offerAttrExpressions": [
    <offer-attribute-expression-object>
  ],
  "offerCode": "string",
  "offerId": 0,
  "offerMappingRowID": 0,
  "offerName": "string",
  "parameterizedOfferAttribute": "string",
  "score": 0,
  "scorePredicate": "string",
  "scorePredicateEnabled": true,
  "scorePredicateId": 0,
  "updateBy": 0,
  "updateDate": "2021-05-19T08:19:46.467Z",
```

```

"userdefinedFields": [
  <offer-mapping-attribute-object>
],
"userdefinedFieldsMap": {},
"zoneId": 0,
"zoneName": "string"
}

```

### Offer Attribute Expression <offer-attribute-expression-object>

```

{
  "attrId": 0,
  "attrName": "string",
  "expression": "string"
}

```

### Offer Mapping Attribute <offer-mapping-attribute-object>

```

{
  "dateFormat": "string",
  "displayName": "string",
  "name": "string",
  "relation": "EQUAL",
  "size": 0,
  "type": "STRING",
  "value": {}
}

```

## Get All FlexOffer Rules

```

GET / Campaign/api/interact/rest/v2/channels/{icldOrName}/flexoffers/
{flexofferIdOrName}/rules

```

### Parameters



Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
flexofferIdOr-Name	string	path	Flex Offer id or name
condition	map	query	Key-Value pair  • Ex. OfferName=eq;OfferA
page	number	query	nth page to retrieve records. Default is 0 (first page).
size	number	query	Number of records per page. Default is 10.

**RESPONSE (Status code: 200)**

For <flex-offer-rule-object>, see the [FlexOffers Rule - object \(on page 120\)](#).

```
{
  "content": [
    <flex-offer-rule-object>
  ],
  "page": {
    "hasNext": true,
    "hasPrev": true,
    "pageNumber": 0,
    "size": 0,
    "totalElements": 0,
    "totalPages": 0
  }
}
```

**Get FlexOffer Rules**

GET / Campaign/api/interact/rest/v2/channels/{icldOrName}/flexoffers/  
{flexofferIdOrName}/rules/{ruleIdOrName}

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
flexofferIdOr- Name	string	path	FlexOffers id or name
ruleIdOrName	string	path	FlexOffers Rule id or name

### RESPONSE (Status code: 200)

[FlexOffers Rule - object \(on page 120\)](#)

## Save FlexOffer Rules

POST /Campaign/interact/api/v2/channels/{icldOrName}/flexoffers/  
{flexofferIdOrName}/rules

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
flexofferIdOr- Name	string	path	FlexOffers id or name

### REQUEST

For <flex-offer-rule-object> and <offer-mapping-attribute-object>, see the [FlexOffers Rule - object \(on page 120\)](#) topic.

```

{
  "newColumns": [
    <offer-mapping-attribute-object>
  ],
  "toAdd": [
    <flex-offer-rule-object>
  ],
  "toDelete": [
    0
  ],
  "toUpdate": [
    <flex-offer-rule-object>
  ]
}

```

**RESPONSE (Status code: 202)**

No content

**Delete FlexOffer Rules**

DELETE /Campaign/interact/api/v2/channels/{icIdOrName}/flexoffers/  
 {flexofferIdOrName}/rules

**Parameters**

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
flexofferIdOr- Name	string	path	FlexOffers id or name
ids	string	query	Comma separated rule IDs to be deleted.

**RESPONSE (Status code: 200)**

No content

## Preview of System Table columns

GET /Campaign/interact/api/v2/preview/systemcolumns

**RESPONSE (Status code: 200)**

For <offer-mapping-attribute-object>, see the [FlexOffers Rule - object \(on page 120\)](#) topic.

```
{
  "content": [
    <offer-mapping-attribute-object>
  ],
  "page": {
    "hasNext": true,
    "hasPrev": true,
    "pageNumber": 0,
    "size": 0,
    "totalElements": 0,
    "totalPages": 0
  }
}
```

## FlexOffers Filters

These APIs are used to perform CRUD operations on FlexOffers filters.

## Objects

For abbreviations, see the [Abbreviations \(on page 4\)](#) topic.

## FlexOffers Filter Object

Attribute Name	Type	Description	Re-quired Cr	Re-quired Up
filterID	number	Unique id	x	x
name	string	Filter name	✓	
description	string	Description of the Filter		
isDefault	bool	Is default filter?		
offerMappingId	number	Flex Offer id	x	x
filters	array-object	List of Flex Offer Attribute Object	✓	
createBy	number	Created by user	x	x
createDate	number	Created date in Millis	x	x
updateBy	number	Updated by user	x	x
updateDate	number	Update date in Millis	x	x

## FlexOffers Attribute Object

Attribute Name	Type	Description	Re-quired Cr	Re-quired Up
name	string	Attribute name	✓	✓
displayName	string	Display name for attribute	x	x
dynamic	bool	Is attribute dynamic?		

relation	string	Relational operator <ul style="list-style-type: none"> <li>• EQUAL</li> <li>• GREATER</li> <li>• GREATEREQUAL</li> <li>• LESS</li> <li>• LESSQUEAL</li> <li>• NOTEQUAL</li> <li>• STARTSWITH</li> <li>• ENDSWITH</li> <li>• CONTAINS</li> </ul>	ü	ü
size	number	Size		
type	string	Data type <ul style="list-style-type: none"> <li>• STRING</li> <li>• LONG</li> <li>• BIT</li> <li>• INTEGER</li> <li>• DATE</li> <li>• FLOAT</li> </ul>	✓	✓
dateFormat	string	Date format	x	x
value	object	Attribute Value		

## FlexOffers Filter - object

For details, see the [Objects \(on page 125\)](#) topic.

### FlexOffers Filter<flexoffers-filter-object>

```
{
  "createBy": 0,
  "createDate": "2021-05-19T08:19:46.324Z",
  "description": "string",
```

```

"filterID": 0,
"filters": [
  <flex-offer-attribute-object>
],
"isDefault": true,
"name": "string",
"offerMappingId": 0,
"updateBy": 0,
"updateDate": "2021-05-19T08:19:46.324Z"
}

```

### FlexOffers Attribute <flex-offer-attribute-object>

```

{
  "dateFormat": "string",
  "displayName": "string",
  "dynamic": true,
  "name": "string",
  "relation": "string",
  "size": 0,
  "type": "string",
  "value": {}
}

```

## Get All FlexOffers Filters

GET / Campaign/api/interact/rest/v2/channels/{icldOrName}/flexoffers/  
{flexofferIdOrName}/filters

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name

flexofferIdOr-Name	string	path	Flex Offer id or name
condition	map	query	Key-Value pair  • Ex. OfferName=eq;OfferA
page	number	query	nth page to retrieve records. Default is 0 (first page).
size	number	query	Number of records per page. Default is 10.

**RESPONSE (Status code: 200)**

For <flex-offer-filter-object>, see the [FlexOffers Filter - object \(on page 127\)](#).

```
{
  "content": [
    <flex-offer-filter-object>
  ],
  "page": {
    "hasNext": true,
    "hasPrev": true,
    "pageNumber": 0,
    "size": 0,
    "totalElements": 0,
    "totalPages": 0
  }
}
```



**Note:** This output does not include conditions.

## Get FlexOffers Filters



GET/Campaign/api/interact/rest/v2/channels/{icIdOrName}/flexoffers/  
 {flexofferIdOrName}/filters/ {filterByIdOrName}

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
flexofferIdOr- Name	string	path	FlexOffers id or name
filterByIdOrName	string	path	FlexOffers Filter id or name

### RESPONSE (Status code: 200)

[FlexOffers Filter - object \(on page 127\)](#).

## Create FlexOffers Filters

POST/Campaign/api/interact/rest/v2/channels/{icIdOrName}/flexoffers/  
 {flexofferIdOrName}/filters

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
flexofferIdOr- Name	string	path	FlexOffers id or name

### REQUEST

[FlexOffers Filter - object \(on page 127\)](#)

### RESPONSE (Status Code: 200)

[FlexOffers Filter - object \(on page 127\)](#)

## Update FlexOffers Filters

PUT/Campaign/api/interact/rest/v2/channels/{icIdOrName}/flexoffers/  
{flexofferIdOrName}/filters/{filterIdOrName}

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
flexofferIdOr- Name	string	path	Flex Offer id or name
filterByIdOrName	string	path	Flex Offer Filter id or name
mode[MLI]	string	query	Filter mode (Optional) <ul style="list-style-type: none"> <li>• copy</li> </ul>

### REQUEST

[FlexOffers Filter - object \(on page 127\)](#)

### RESPONSE (Status Code: 202)

[FlexOffers Filter - object \(on page 127\)](#)

## Delete FlexOffers Filters

DELETE/Campaign/api/interact/rest/v2/channels/{icIdOrName}/flexoffers/  
{flexofferIdOrName}/filters/{filterIdOrName}

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name

flexofferIdOr- Name	string	path	Flex Offer id or name
filterByIdOrName	string	path	Flex Offer Filter id or name

**RESPONSE (Status Code: 200)**

No content

## FlexOffers Deployment

These APIs are used to perform CRUD operations on the FlexOffers for deployment.

## Objects

For abbreviations, see the [Abbreviations \(on page 4\)](#) topic.

### FlexOffers Deployment Object

Attribute Name	Type	Description	Re- quired Cr	Re- quired Up
deployAction	string	Deployment action <ul style="list-style-type: none"> <li>• markDeploy</li> <li>• markUnDeploy</li> <li>• cancelDeploy</li> <li>• cancelUnDeploy</li> </ul>	✓	✓
state	num- ber	State <ul style="list-style-type: none"> <li>• 0: Ready for Deployment</li> <li>• 1: Ready for Undeployment</li> </ul>	x	x

		<ul style="list-style-type: none"> <li>• 2: Mark for Deployment</li> <li>• 3: Mark for Undeployment</li> </ul>		
deployedState	number	Deployed state <ul style="list-style-type: none"> <li>• I0: Not Yet Deployed</li> <li>• I1: Deployed</li> <li>• I2: Undeployed</li> </ul>	x	x
dirty	bool	Dirty deployment flag	x	x
lastProdDepTime	date	Last production deployment time	x	x
lastMarkTime	date	Last (un) marked for (un) deployment time	x	x
deploymentStatus-Text	string	Status text	x	x
deploymentWaitMessage	string	Waiting message	x	x

## FlexOffers Deployment - object

For details, see the [Objects \(on page 132\)](#) topic.

### FlexOffers Deployment <flexoffers-deployment-object>

```
{
  "deployAction": "string",
  "deployedState": 0,
  "deploymentStatusText": "string",
  "deploymentWaitMessage": "string",
  "dirty": true,
  "lastMarkTime": "2021-01-01T01:02:03.456Z",
  "lastProdDepTime": "2021-01-01T01:02:03.456Z",
  "state": 0
}
```

}

## Get Deployment State

GET /Campaign/api/interact/rest/v2/channels/{icldOrName}/flexoffers/{flexofferIdOrName}/deployment

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
flexofferIdOr- Name	string	path	Flex Offer id or name

### RESPONSE (Status Code: 200)

[FlexOffers Deployment - object \(on page 133\)](#)

## Mark for (Un) Deployment

PUT /Campaign/api/interact/rest/v2/channels/{icldOrName}/flexoffers/{flexofferIdOrName}/deployment

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
flexofferIdOr- Name	string	path	Flex Offer id or name

### REQUEST

[FlexOffers Deployment - object \(on page 133\)](#)

**RESPONSE (Status code: 202)**[FlexOffers Deployment - object \(on page 133\)](#)

## Cancel mark for (Un) Deployment

DELETE /Campaign/api/interact/rest/v2/channels/{icldOrName}/flexoffers/  
 {flexofferIdOrName}/deployment

**Parameters**

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
flexofferIdOr- Name	string	path	Flex Offer id or name

**REQUEST**[FlexOffers Deployment - object \(on page 133\)](#)**RESPONSE (Status Code: 200)**[FlexOffers Deployment - object \(on page 133\)](#)

## Triggered Action

**Description**

These APIs are used to perform CRUD operations on the triggered action.

## Objects

For abbreviations, see the [Abbreviations \(on page 4\)](#) topic.

## Triggered Action Object

Attribute Name	Type	Description	Re-quired Cr	Re-quired Up
id	number	Unique id	x	x
name	string	Triggered Action name	✓	✓
description	string	Triggered Action description		
icId	number	Interactive channel id		
effectiveDate	number	Effective date is ms		
expirationDate	number	Expiration date is ms		
trigger	Object	Trigger object	✓	✓
branches	array-Object	List of Triggered Action Branch Object	✓	✓

## Trigger Object

Attribute Name	Type	Description	Re-quired Cr	Re-quired Up
id	number	Unique id	✓	✓
name	string	Trigger name	✓	✓
type	string	type field will be 'Other' for event and 'Pattern' for event pattern	✓	✓

## Trigger Action Branch Object

Attribute Name	Type	Description	Re-quired Cr	Re-quired Up
eligibility	Object	Eligibility Object	✓	✓
offer	Object	Triggered Action Offer Object	✓	✓
channels	array- object	List of Triggered Action Channel Object	✓	✓

## Eligibility object

Attribute Name	Type	Description	Re-quired Cr	Re-quired Up
audienceLevel	string	Audience Level	✓	✓
conditions	array- object	List of Triggered Action Condition Object	✓	✓

## Triggered Action Condition Object

Attribute Name	Type	Description	Re-quired Cr	Re-quired Up
attrType	string	Type of attribute <ul style="list-style-type: none"> <li>• Profile Attribute</li> <li>• Segment Attribute</li> </ul>	✓	✓



		<ul style="list-style-type: none"> <li>• Real-time attributes</li> <li>• Session Parameter</li> </ul>		
attrName	string	Name of the attribute		
operator	string	Type of Operator <ul style="list-style-type: none"> <li>• Eq</li> <li>• Ne</li> <li>• Lt</li> <li>• Lte</li> <li>• Gt</li> <li>• Gte</li> <li>• Sw</li> <li>• Ew</li> <li>• Con</li> <li>• Inc</li> <li>• Ninc</li> </ul>	✓	✓
value	string	Attribute value		
valueType	string	Type of value <ul style="list-style-type: none"> <li>• string</li> <li>• numeric</li> <li>• datetime</li> </ul>	✓	✓
condition	string	Type of relational operator <ul style="list-style-type: none"> <li>• AND</li> <li>• OR</li> </ul>	✓	✓

## Triggered Action Offer Object

Attribute Name	Type	Description	Re- quired Cr	Re- quired Up
selectionType	string	Offer selection type  • Offer • Zone	✓	✓
zoneSelected	Object	Zone object		
offerSelected	Object	Offer object		
offerType	Number	offerType  • 0 for offer • 1 for offerlist	✓	✓
offerSelection	Object	Offer Selection Policy Object		
cellId	number	Cell id		
score	number	Score		
scorePredicateEnabled	boolean	Enable / Disable score predicate		
scorePredicate	string	Predicate to define score		
eligibilityPredicateEnabled	boolean	Enable / Disable eligibility predicate		
eligibilityPredicate	string	Predicate to define eligibility		
effectiveDate	number	Effective date in Millis		
expirationDate	number	Expiration date in Millis		

learningMode	number	Learning mode <ul style="list-style-type: none"> <li>• 1: Learning mode not set at this level; inheritsetting</li> <li>• 2: Use Marketerscore</li> <li>• 3: Use Learningscore</li> </ul>		
lmName	string	Learning model name		
learningModelId	number	Learning model id		
offerAttrExpressions	Array-Object	List of Offer Attribute Expression Object		

### Triggered Action Channel Object

Attribute Name	Type	Description	Required Cr	Required Up
delayMode	string	mode for delay <ul style="list-style-type: none"> <li>• Delay</li> <li>• NoDelay</li> <li>• Date</li> </ul>	✓	✓
name	string	Name of the touchpoint	✓	✓
type	string	Type of the touchpoint <ul style="list-style-type: none"> <li>• Channel</li> <li>• Gateway</li> </ul>	✓	✓

delayType	string	Delay type <ul style="list-style-type: none"> <li>• Sec</li> <li>• Min</li> <li>• Hr</li> <li>• Day</li> <li>• date</li> </ul>	✓	✓
delayValue	number	Delay value		
selectedDate	number	Selected date value in millisecond		

### Offer object

Attribute Name	Type	Description	Required Cr	Required Up
id	number	Offer id	✓	✓
name	string	Offer name	✓	✓
description	string	Offer description		
offerCode	string	Offer code	✓	✓

### Zone Object

Refer the Zone - [Objects \(on page 46\)](#)

## Offer Selection policy Object

Attribute Name	Type	Description	Re-quired Cr	Re-quired Up
num	num-ber	Number of offers to return from offer list		
opt	num-ber	Allowed offer selection policy		
param	string	Parameter	x	x
sort	string	Sort by	x	x

## Offer Attribute Expression Object

Attribute Name	Type	Description	Re-quired Cr	Re-quired Up
attrId	num-ber	Unique id	✓	✓
attrName	string	Attribute name		
expression	string	Expression to calculate value for attribute	✓	✓

## Triggered Action - object

For details, see the [Objects \(on page 135\)](#) topic.

**Triggered Action Object** <triggered-action-object>

```

{
  "id":0,
  "name":"string",
  "description":"string",
  "icId":0,
  "effectiveDate":0,
  "expirationDate":0,
  "trigger":<trigger-object>,
  "branches": [<trigger-action-branch-object>]
}

```

#### Trigger Object <trigger-object>

```

{
  "id":0,
  "name":"string",
  "type":"string"
}

```

#### Trigger Action Branch Object <trigger-action-branch-object>

```

{
  "eligibility":<eligibility-object>,
  "offer":<triggered-action-offer-object>,
  "channels": [<triggered-action-channel-object>]
}

```

#### Eligibility Object <eligibility-object>

```

{
  "audienceLevel":"string",
  "conditions": [<triggered-action-condition-object>]
}

```

**Triggered Action Condition Object <triggered-action-condition-object>**

```
{
  "attrType": "string",
  "attrName": "string",
  "operator": "string",
  "value": "string",
  "valueType": "string",
  "condition": "string"
}
```

**Triggered Action Offer Object <triggered-action-offer-object>**

```
{
  "selectionType": "string",
  "zoneSelected": <zone-object>,
  "offerSelected": <offer-object>,
  "offerType": 0,
  "offerSelection": <offer-selection-policy-object>,
  "cellId": 0,
  "score": 0,
  "scorePredicateEnabled": true,
  "scorePredicate": "string",
  "eligibilityPredicateEnabled": true,
  "eligibilityPredicate": "string",
  "effectiveDate": 0,
  "expirationDate": 0,
  "learningMode": 0,
  "lmName": "string",
  "learningModelId": 0,
  "offerAttrExpressions": [<offer-attribute-expression-object>]
}
```

**Triggered Action Channel Object <triggered-action-channel-object>**

```
{
  "delayMode": "string",
  "name": "string",
  "type": "string",
  "delayType": "string",
  "delayValue": 0,
  "selectedDate": 0
}
```

#### Offer Object <offer-object>

```
{
  "id": 0
  "name": " string"
  "description": " string"
  "offerCode": " string"
}
```

#### Zone Object <zone-object>

[Zone - object \(on page 47\)](#)

#### Offer Selection Policy <offer-selection-policy-object>

```
{
  "num": 0,
  "opt": 0,
  "param": "string",
  "sort": "string"
}
```

#### Offer Attribute Expression <offer-attribute-expression-object>

```
{
  "attrId": 0,
  "attrName": "string",
}
```



```
"expression": "string"
}
```

## Get Triggered Actions

GET /Campaign/api/interact/rest/v2/channels/{icldOrName}/triggeredActions

### Parameters

Name	Type	In	Description
icldOr-Name	string	path	Interactive Channel id or name
Page	number	query	nth page to retrieve records. Default is 0 (first page).
Size	number	query	Number of records per page. Default is 10.
query-Params	string	query	<p>Search based on triggered action name, trigger name, offer name and touchpoint name. (Optional)</p> <ul style="list-style-type: none"> <li>• "name=like;triggeredAction" search for triggeredAction name</li> <li>• "trigger=like;trigger" search for trigger name</li> <li>• "channelName=like;touchpoint" search for touch point name</li> <li>• "channelName=like;touchpoint" search for touch point name</li> </ul>

### RESPONSE (Status Code: 200)

For <triggered-action-object>, see the [Triggered Action - object \(on page 142\)](#) topic.

```

{
  "content": [<triggered-action-object>],
  "page": {
    "pageNumber": 0,
    "totalElements": 0,
    "totalPages": 0,
    "size": 0,
    "hasNext": true,
    "hasPrev": true
  }
}

```

## Get Triggered Action

GET /Campaign/api/interact/rest/v2/channels/{icldOrName} /  
triggeredActions/{triggeredActionIdOrName}

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
triggeredActionIdOr- Name	string	path	Triggered action id or name

### RESPONSE (Status Code: 200)

For <triggered-action-object>, see the [Triggered Action - object \(on page 142\)](#) topic.

## Save Triggered Actions

### Create, Update, and delete Triggered Actions

POST /Campaign/api/interact/rest/v2/channels/{icldOrName}/  
triggeredActions/save

## Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name

## REQUEST

For <triggered-action-object>, see the [Triggered Action - object \(on page 142\)](#) topic.

```
{
  "toAdd": [<triggered-action-object>]
  "toUpdate": [<triggered-action-object>]
  "toDelete": [0]
}
```

## RESPONSE (Status Code: 202)

No content.

## Add Triggered Action

POST /Campaign/api/interact/rest/v2/channels/{icldOrName}/  
triggeredActions

## Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name

## REQUEST

For <triggered-action-object>, see the [Triggered Action - object \(on page 142\)](#) topic.

**RESPONSE (Status Code: 201)**

For <triggered-action-object>, see the [Triggered Action - object \(on page 142\)](#) topic.

**Update Triggered Action**

PUT /Campaign/api/interact/rest/v2/channels/{icldOrName}/  
triggeredActions/ /{triggeredActionIdOrName}

**Parameters**

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
triggeredActionIdOr- Name	string	path	Triggered action id or name

**REQUEST**

For <triggered-action-object>, see the [Triggered Action - object \(on page 142\)](#) topic.

**RESPONSE (Status Code: 202)**

For <triggered-action-object>, see the [Triggered Action - object \(on page 142\)](#) topic.

**Copy Triggered Action**

POST /Campaign/api/interact/rest/v2/channels/{icldOrName}/  
triggeredActions/ /{triggeredActionIdOrName}

**Parameters**

Name	Type	In	Description
------	------	----	-------------

icldOrName	string	path	Interactive Channel id or name
triggeredActionIdOr- Name	string	path	Triggered action id or name

**REQUEST**

For <triggered-action-object>, see the [Triggered Action - object \(on page 142\)](#) topic.

**RESPONSE (Status Code: 201)**

For <triggered-action-object>, see the [Triggered Action - object \(on page 142\)](#) topic.

## Delete Triggered Action

DELETE /Campaign/api/interact/rest/v2/channels {icldOrName}/  
triggeredActions/{triggeredActionIdOrName}

**Parameters**

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
triggeredActionIdOr- Name	string	path	Triggered action id or name

**RESPONSE (Status Code: 202)**

No content.

## Gateway Groups (Outbound Channel)

**Description**

These APIs are used to perform CRUD operations on the gateway group.

## Objects

For abbreviations, see the [Abbreviations \(on page 4\)](#) topic.

### Gateway Groups Object

Attribute Name	Type	Description	Re- quired Cr	Re- quired Up
id	number	Unique id of gateway group	x	x
Name	string	Gateway groups' name	✓	✓
Description	string	Gateway groups' descrip- tion		
icId	number	Interactive channel id		
selectedGateway- Names	Array-ob- ject	<selected- gateway-object>	✓	✓

### Selected Gateway Object

Attribute Name	Type	Description	Re- quired Cr	Re- quired Up
Name	string	Gateway names	✓	✓

### Gateway Groups - object

For details, see the [Objects \(on page 151\)](#) topic.

**Gateway Groups Object <gateway-groups-object>**

```
{
  "id":0,
  "name":"string",
  "description":"string",
  "icId":0,
  "selectedGatewayNames": [<selected-gateway-object>]
}
```

**Selected Gateway Object <selected-gateway-object>**

```
{
  "name":"string"
}
```

**Get All Gateway Groups (Get Outbound Channels)**

GET /Campaign/api/interact/rest/v2/channels/{icIdOrName}/  
outboundChannels

**Parameters**

Name	Type	In	Description
icIdOr-Name	string	path	Interactive Channel id or name
query-Params	string	query	Search based on gateway name. (Optional) <ul style="list-style-type: none"> <li>"gateway=like;gatewayName" search for gateway name</li> </ul>

**RESPONSE (Status Code: 200)**

For <gateway-groups-object>, see the [Gateway Groups - object \(on page 151\)](#) topic.

```

{
  "content": [<gateway-groups-object>],
  "page": {
    "pageNumber": 0,
    "totalElements": 0,
    "totalPages": 0,
    "size": 0,
    "hasNext": true,
    "hasPrev": true
  }
}

```

## Get Gateway Groups (Get Outbound Channels)

GET /Campaign/api/interact/rest/v2/channels/{icldOrName} /  
outboundChannels/{outboundChannelIdOrName}

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
outboundChannelIdOr- Name	string	path	Gateway groups id or name

### RESPONSE (Status Code: 200)

For <gateway-groups-object>, see the [Gateway Groups - object \(on page 151\)](#) topic.

## Add Gateway Groups (Add Outbound Channels)

POST /Campaign/api/interact/rest/v2/channels/{icldOrName} /  
outboundChannels

### Parameters

Name	Type	In	Description
------	------	----	-------------



icldOrName	string	path	Interactive Channel id or name
------------	--------	------	--------------------------------

**REQUEST**

For <gateway-groups-object>, see the [Gateway Groups - object \(on page 151\)](#) topic.

**RESPONSE (Status Code: 201)**

For <gateway-groups-object>, see the [Gateway Groups - object \(on page 151\)](#) topic.

## Update Gateway Groups (Update Outbound Channels)

PUT /Campaign/api/interact/rest/v2/channels/{icldOrName}/  
outboundChannels/{outboundChannelIdOrName}

**Parameters**

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
outboundChannelIdOr- Name	string	path	Gateway Groups id or name

**REQUEST**

For <gateway-groups-object>, see the [Gateway Groups - object \(on page 151\)](#) topic.

**RESPONSE (Status Code: 202)**

For <gateway-groups-object>, see the [Gateway Groups - object \(on page 151\)](#) topic.

## Copy Gateway Groups (Copy Outbound Channel)

POST /Campaign/api/interact/rest/v2/channels/{icldOrName}/  
outboundChannels/{outboundChannelldOrName}

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
outboundChannelldOr- Name	string	path	Gateway groups id or name

### REQUEST

For <gateway-groups-object>, see the [Gateway Groups - object \(on page 151\)](#) topic.

### RESPONSE (Status Code: 201)

For <gateway-groups-object>, see the [Gateway Groups - object \(on page 151\)](#) topic.

## Delete Gateway Groups (Delete Outbound Channel)

DELETE /Campaign/api/interact/rest/v2/channels {icldOrName}/  
outboundChannels/{outboundChannelldOrName}

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
outboundChannelldOr- Name	string	path	Gateway groups id or name

### RESPONSE (Status Code: 202)

No content.

## Gateway

### Description

These APIs are used to perform CRUD operations on Gateway.

## Objects

For abbreviations, see the [Abbreviations \(on page 4\)](#) topic.

### Gateway Object

Attribute Name	Type	Description	Re-quired Cr	Re-quired Up	Re-quired Cp
Id	number	Unique id	x	x	x
Name	string	Gateway name	✓		✓
Description	string	Description of the Gateway			
icId	number	Interactive Channel id			ü
audienceLevel	string	Audience Level	✓		✓
Type	number	Gateway type <ul style="list-style-type: none"> <li>• 1: Generic Outbound</li> <li>• 2: Generic Inbound</li> <li>• 3: Journey Outbound</li> <li>• 4: Deliver Outbound</li> </ul>	✓		✓
priority	number	Gateway priority	✓		✓

noOfMes-sages	number	Number of messages			
defaultCellID	number	Default Cell ID			
defaultCell-Code	string	Default Cell Code	x	x	x
contentMap-ping	array-ob-ject	List of Content Mapping Ob-ject			
eventMapping	array-ob-ject	List of Event Mapping Ob-ject			
effectiveDate	number	Effective date in Millis			
expirationDate	number	Expiration date in Millis			
templated	string	Deliver Template Id			
template-Name	string	Deliver Template Name			
templateType	string	Deliver Template Type			
appld	number	Mobile App Id			
appName	string	Mobile App Name			
createBy	number	Created by user	x	x	x
createDate	number	Created date in Millis	x	x	x
updateBy	number	Updated by user	x	x	x
updateDate	number	Update date in Millis	x	x	x

### Content Mapping Object

Attribute Name	Type	Description	Re-quired	Re-quired	Re-quired
----------------	------	-------------	-----------	-----------	-----------

			Cr	Up	Cp
interactFieldName	string	Interact field name			
endpointFieldName	string	Endpoint field name			
type	string	Content Mapping type <ul style="list-style-type: none"> <li>• string</li> <li>• numeric</li> <li>• datetime</li> </ul>			
mandatory	bool	Is mandatory mapping?			
defaultValue	object	Default Value			
size	number	Size of value			
expression	bool	Is an expression?			
custom	bool	Is custom attribute?			
dateFormat	string	Date Format			

## Event Mapping Object

Attribute Name	Type	Description	Required		
			Cr	Up	Cp
endpointEvent	string	Endpoint event name	✓	✓	✓
interactEvent	string	Interact event nam	✓	✓	✓
contentMapping	array-object	List of Content Mapping Object			

## Gateway - object

For details, see the [Objects \(on page 156\)](#) topic.

**Gateway <gateway-object>**

```
{
  "audienceLevel": "string",
  "contentMapping": [
    <content-mapping-object>
  ],
  "createBy": 0,
  "createDate": "2021-05-19T08:19:46.328Z",
  "defaultCellCode": "string",
  "defaultCellID": 0,
  "description": "string",
  "effectiveDate": 0,
  "eventMapping": [
    <event-mapping-object>
  ],
  "expirationDate": 0,
  "icId": 0,
  "id": 0,
  "name": "string",
  "noOfMessages": 0,
  "priority": 0,
  "templateId": "string",
  "templateName": "string",
  "templateType": "string",
  "type": 0,
  "updateBy": 0,
  "updateDate": "2021-05-19T08:19:46.328Z"
}
```

**Content Mapping <content-mapping-object>**

```
{
  "custom": true,
```

```

"dateFormat": "string",
"defaultValue": {},
"endpointFieldName": "string",
"expression": true,
"interactFieldName": "string",
"mandatory": true,
"size": 0,
"type": "string"
}

```

### Event Mapping <event-mapping-object>

```

{
  "contentMapping": [
    <content-mapping-object>
  ],
  "endpointEvent": "string",
  "interactEvent": "string"
}

```

## Get All Gateways

GET /Campaign/api/interact/rest/v2/channels/{icldOrName}/gateways

### Parameters

Name	Type	In	Description
icldOr-Name	string	path	Interactive Channel id or name
typeld	number	query	Gateway type <ul style="list-style-type: none"> <li>• 1: Generic Outbound</li> <li>• 2: Generic Inbound</li> <li>• Journey Inbound</li> </ul>

page	number	query	nth page to retrieve records. Default is 0 (first page).
size	number	query	Number of records per page. Default is 10.

### RESPONSE (Status Code: 200)

For <gateway-object>, see the [Gateway - object \(on page 158\)](#) topic.

```
{
  "content": [
    <gateway-object>
  ],
  "page": {
    "hasNext": true,
    "hasPrev": true,
    "pageNumber": 0,
    "size": 0,
    "totalElements": 0,
    "totalPages": 0
  }
}
```

## Get Gateway

GET /Campaign/api/interact/rest/v2/channels/{icldOrName}/gateways/  
{gatewayId}

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name



gatewayId	number	path	Gateway id
-----------	--------	------	------------

**RESPONSE (Status Code: 200)**

[Gateway - object \(on page 158\)](#)

## Create Gateway

POST /channels/{icIdOrName}/gateways

**Parameters**

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name

**REQUEST**

[Gateway - object \(on page 158\)](#)

**RESPONSE (Status code: 201)**

[Gateway - object \(on page 158\)](#)

## Copy Gateway

POST /Campaign/api/interact/rest/v2/channels/{icIdOrName}/gateways/  
{gatewayId}

**Parameters**

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
gatewayId	number	path	Gateway id

**REQUEST**

[Gateway - object \(on page 158\)](#)

**RESPONSE (Status code: 201)**

[Gateway - object \(on page 158\)](#)

## Update Gateway

PUT /Campaign/api/interact/rest/v2/channels/{icldOrName}/gateways/  
{gatewayId}

**Parameters**

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
gatewayId	number	path	Gateway id

**REQUEST**

[Gateway - object \(on page 158\)](#)

**RESPONSE (Status code: 202)**

[Gateway - object \(on page 158\)](#)

## Delete Gateway

DELETE /Campaign/api/interact/rest/v2/channels/{icldOrName}/gateways/  
{gatewayId}

**Parameters**

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
gatewayId	number	path	Gateway id

**RESPONSE (Status code: 200)**

No content

## Playback Filters

These APIs are used for performing CRUD operations on Playback Filters.

## Objects

For abbreviations, see the topic [Abbreviations](#).

### Playback Filter Object

Attribute Name	Type	Description	Required Cr	Required Up
filterID	Number	Unique ID	False	False
Name	String	Filter name	True	False
Description	String	Description of the filter		
Filters	Array-object	List of playback filter attribute objects	True	
icld	Number	Interactive Channel ID	False	False
viewType	String	View type: <ul style="list-style-type: none"> <li>audience</li> <li>segments</li> <li>offers</li> </ul>	True	
audienceLevel	String	Audience Level		
createDate	Number	Created date in millis	False	False
createBy	Number	Created by user ID	False	False
updateDate	Number	Updated date in millis	False	False
updateBy	Number	Updated by user ID	False	False

## Playback Filter Attribute Object

Attribute Name	Type	Description	Required Cr	Required Up
Name	String	Filter attribute name	True	True
Type	String	Profile attribute type: <ul style="list-style-type: none"> <li>• string</li> <li>• long</li> <li>• bit</li> <li>• integer</li> <li>• date</li> <li>• float</li> <li>• numeric</li> </ul>	True	True
Value	Object	Attribute value		
Relation	String	Relational operator: <ul style="list-style-type: none"> <li>• EQ (Equals)</li> <li>• SW (Starts with)</li> <li>• EW (Ends with)</li> <li>• CON (Contains)</li> <li>• NE (Not equals)</li> <li>• GT (Greater than)</li> <li>• GTE (Greater than equals)</li> <li>• LT (Less than)</li> <li>• LTE (Less than equals)</li> </ul>	True	True

## Get All Playback Filters

GET

/Campaign/api/interact/rest/v2/channels/{icIdOrName}/playback/filters

### Parameters

Name	Type	In	Description
icIdOrName	String	Path	Interactive Channel ID or name.
viewType	String	Query	View Type: <ul style="list-style-type: none"><li>audience</li><li>segments</li><li>offers</li></ul>

### RESPONSE (Status code: 200)

List of playback filter objects.

```
{
  [
    {
      "audienceLevel": "string",
      "createBy": 0,
      "createDate": "date",
      "description": "string",
      "filterID": 0,
      "filters": [
        {
          "name": "string",
          "relation": "string", "type": "string",
          "value": {}
        }
      ],
      "icId": 0,
      "name": "string",
      "updateBy": 0,
      "updateDate": "date",
      "viewType": "string"
    }
  ]
}
```

## Get Playback Filter by filterIdOrName

GET

/Campaign/api/interact/rest/v2/channels/{icIdOrName}/playback/filters/{filterByIdOrName}

### Parameters

Name	Type	In	Description
icIdOrName	String	Path	Interactive Channel ID or name.
filterByIdOrName	String	Path	Filter ID or Filter Name

**RESPONSE (Status code: 200)**

Playback Filter Object

## Create Playback Filter

POST

/Campaign/api/interact/rest/v2/channels/{icIdOrName}/playback/filters

### Parameters

Name	Type	In	Description
icIdOrName	String	Path	Interactive Channel ID or name.

**REQUEST**

Playback Filter Object

**RESPONSE (Status code: 200)**

Playback Filter Object

## Update Playback Filter

PUT

/Campaign/api/interact/rest/v2/channels/{icIdOrName}/playback/filters/{filterIdOrName}

### Parameters

Name	Type	In	Description
icIdOrName	String	Path	Interactive Channel ID or name.
filterByIdOrName	String	Path	Filter ID or Filter Name

**REQUEST**

Playback Filter Object

**RESPONSE (Status code: 200)**

Playback Filter Object

**Delete Playback Filter****DELETE**

```
/Campaign/api/interact/rest/v2/channels/{icIdOrName}/playback/filters
/{filterIdOrName}
```

**Parameters**

Name	Type	In	Description
icldOrName	String	Path	Interactive Channel ID or name.
filterByIdOrName	String	Path	Filter ID or Filter Name

**RESPONSE (Status code: 200)**

No Contents

**Personalization Playback**

These APIs are used to fetch personalization data, like aggregated sessions and audience count, basic as well as detailed session details from Interact runtime.

**Object**

For abbreviations, see the topic [Abbreviations](#).

**PersonalizationAggregatedDataVO Object**

Attribute Name	Type	Description
Ts	Number	Start timestamp
Ets	Number	End timestamp
Aud	Number	Audience count
Sess	Number	Session count
topServed	list of OfferSegmentCountVO Objects	Top Offers/Segments

## OfferSegmentCountVO Object

Attribute Name	Type	Description
Id	Number	Offer/segment ID
Count	Number	Offer served/eligible segment count
Name	String	Offer/segment Name

## SessionOverviewVO Object

Attribute Name	Type	Description
sessionId	String	Session ID
Ic	String	Interactive channel ID
startTime	Date	Session start time
endTime	Date	Session end time
audienceIds	Set of Objects	Audience IDs for the session
audienceStr	String	Audience IDs in string format
audienceLevel	String	Audience Level



## PersonalizationDataVO Object

<b>Attribute Name</b>	<b>Type</b>	<b>Description</b>
sessionBasicDetails	SessionOverviewVO Object	Session basic details
audienceProfile	Map of objects	Profile attributes
audienceContext	Map of objects	Session attributes
eventPatternStates	Map of objects	Event pattern states
apiHistory	List of APIHistoryEntity objects	API trace for the session
deliveredOffers	List of DeliveredOfferVO objects	Offers delivered in this session
disqualified Offers	List of DisqualifiedOfferVO objects	Offers disqualified in this session

## DeliveredOfferVO Object

Attribute Name	Type	Description
name	String	Offer name
code	String	Offer code
apitime	Number	Date and time when the offer was served

## DisqualifiedOfferVO Object

Attribute Name	Type	Description
name	String	Offer name
code	String	Offer code
apitime	Number	Date and time when the offer was served
Reason	String	Offer disqualification reason

## Get Aggregated Playback Data

GET

/Campaign/api/interact/rest/v2/channels/{icIdOrName}/playback/aggregated

### Parameters

Name	Type	In	Description
icIdOrName	String	Path	Interactive Channel ID or name
viewType	String	Query	View Type: <ul style="list-style-type: none"> <li>audience</li> <li>segments</li> <li>offers</li> </ul>
audienceLevel	String	Query	Audience level
startTimeStamp	Number	Query	Start time stamp
endTimeStamp	Number	Query	End time stamp

Name	Type	In	Description
Condition	String	Query	Key-value pair. Example: OfferName-=eq:OfferA.
timeSpan	String	Query	Date range (DAY/WEEK/MONTH/YEAR)
date	String	Query	Reference date for the time span in YYYY-MM-DD format
aggregationUnit	String	Query	Grouping unit of the playback data (HOUR/DAY/MONTH/YEAR)
maxTopOffersSegments	Number	Query	Number of top offers/segments per datapoint

**RESPONSE (Status code: 200)**

List of PersonalizationAggregatedDataVO objects

```
{
  [
    <PersonalizationAggregatedDataVO-object>
  ]
}
```

**Get Session Overview Data**

GET

/Campaign/api/interact/rest/v2/channels/{icIdOrName}/playback/session  
Overview

**Parameters**

Name	Type	In	Description
icIdOrName	String	Path	Interactive Channel ID or name
viewType	String	Query	View Type: <ul style="list-style-type: none"> <li>audience</li> <li>segments</li> <li>offers</li> </ul>
audienceLevel	String	Query	Audience level
startTimeStamp	Number	Query	Start time stamp
endTimeStamp	Number	Query	End time stamp
Condition	String	Query	Key-value pair. Example: OfferName-=eq:OfferA.

**RESPONSE (Status code: 200)**

## List of SessionOverviewVO objects

```
{
  "content": [
    < SessionOverviewVO-object>
  ],
  "page": {
    "hasNext": true,
    "hasPrev": true,
```

```

"pageNumber": 0,
"size": 0,
"totalElements": 0,
"totalPages": 0
}
}

```

## Get Playback Details by Session Id

GET

```

/Campaign/api/interact/rest/v2/channels/{icIdOrName}/playback/sessions/{sessionId}

```

### Parameters

Name	Type	In	Description
icIdOrName	String	Path	Interactive Channel ID or name
sessionId	String	Path	Session ID
audienceLevel	String	Query	Audience level
startTimeStamp	Number	Query	Start time stamp
endTimeStamp	Number	Query	End time stamp

### RESPONSE (Status code: 200)

List of PersonalizationDataVO objects

```

{
  [
    <PersonalizationDataVO-object>
  ]
}

```

## Interactive Channel Deployment

This API is used to deploy interactive channel.

### Objects

For abbreviations, see the [Abbreviations \(on page 4\)](#) topic.

## Interactive Channel Deployment Object

Attribute Name	Type	Description	Re- quired Cr	Re- quired Up
icIdOrName	string	Interactive Channel id or name	✓	✓
rtUsername	string	Interact run time username	✓	✓
rtPassword	string	Interact run time user pass- word	✓	✓
serverGroup	string	Server Group name	✓	✓
serverGroup- Type	string	Server Group type <ul style="list-style-type: none"> <li>• 1: Production</li> <li>• 2: Test</li> </ul>	✓	✓

## Deployment or Undeployment

POST /Campaign/api/interact/rest/v2/deployments

### Parameters

Name	Type	In	Description
request	num- ber	query	Task to perform: <ul style="list-style-type: none"> <li>• 1: Deploy</li> <li>• 2: Undeploy</li> </ul>
include- Global	bool	query	Include global data or not in the task. (De- fault: true)
globalOnly	bool	query	Only (un) deploy global data



## REQUEST

```
{
  "icIdOrName": "string",
  "rtPassword": "string",
  "rtUsername": "string",
  "serverGroup": "string",
  "serverGroupType": 0
}
```

## RESPONSE (Status Code: 200)

```
{
  "Deployment finished successfully"
}
```

## Interactive Flowchart Process Box

These APIs are used to perform CRUD operations on Interactive flowchart process box.

## Objects

For abbreviations, see the [Abbreviations \(on page 4\)](#) topic.



## Interactive Flowchart Process Box

Attribute Name	Type	Description	Re- quired Cr	Re- quired Up
pblID	number	Process box id		
name	string	Process box name		
notes	string	Description of the process box		
upstreamPBNames	ar- ray-string	Upstream process box names		
downstreamPBNames	ar- ray-string	Downstream process box names		
processBoxConfigura- tion	object	Process Box Configuration Object <ul style="list-style-type: none"> <li>• Interaction</li> <li>• Decision</li> <li>• PopulateSeg</li> <li>• Select</li> </ul>		

### Process Box - object

For details, see the [Objects \(on page 165\)](#) topic.

#### Process Box <process-box-object>

```
{
  "downstreamPBNames": [
    "string"
  ],
  "name": "string",
```

```

"notes": "string",
"pbID": 0,
"processBoxConfiguration": {},
"upstreamPBNames": [
  "string"
]
}

```

### Process Box Configuration: Interaction

```

{
  "type": "Interaction",
  "selectAllIds": false,
  "maxSize": "eg: 5"
}

```

### Process Box Configuration: Decision

```

{
  "input": [
    "<process-box-name>"
  ],
  "type": "Decision",
  "mutuallyExclusiveBranches": false,
  "branchDetails": [
    {
      "branchName": "<branch-name>",
      "selectAllIds": false,
      "expression": "expression eg: CUSTOMERID < 10",
      "tableName": "table name eg: dbo_CUST"
    },
  ]
}

```

### Process Box Configuration: PopulateSeg

```

{
  "type": "PopulateSeg",
  "inputPBLList": [
    {
      "policyId": <policy-id>,
      "description": "<description>",
      "inputCell": "<input-cell>",
      "segmentName": "<segment-name>",
      "folderId": <folder-id>
    }
  ]
}

```

### Process Box Configuration: Select

```

{
  "type": "Select",
  "selectInputTables": "table name eg: dbo_CUST1",
  "selectAllIds": false,
  "expression": "Expression is provided in case selectAllIds is false not otherwise eg: CUSTOMERID < 30"
}

```

## Get All Process Box

GET /Campaign/api/interact/rest/v2/channels/{icIdOrName}/flowcharts/{flowchartIdOrName}/processboxes

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name

flowchartIdOrName	string	path	Interactive Flowchart id or name
sessionId	number	query	Session id

**RESPONSE (Status Code: 200)**

For <process-box-object>, see the [Process Box - object \(on page 166\)](#) topic.

```
[
  <process-box-object>
]
```

## Get Process Box

GET /Campaign/api/interact/rest/v2/channels/{icIdOrName}/flowcharts/{flowchartIdOrName}/processboxes /{pbIdOrName}

**Parameters**

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
flowchartIdOrName	string	path	Interactive Flowchart id or name
pbIdOrName	string	path	Process Box id or name
sessionId	number	query	Session id

**RESPONSE (Status Code: 200)**

[Process Box - object \(on page 166\)](#)

## Create Process Box

POST /Campaign/api/interact/rest/v2/channels/{icIdOrName}/flowcharts/{flowchartIdOrName}/processboxes

## Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
flowchartIdOrName	string	path	Interactive Flowchart id or name
sessionId	number	query	Session id

## REQUEST

[Process Box - object \(on page 166\)](#)

## RESPONSE (Status code: 201)

For <process-box-object>, see the [Process Box - object \(on page 166\)](#) topic.

```
[
  <process-box-object>
]
```

## Update Process Box

PUT /Campaign/api/interact/rest/v2/channels/{icldOrName}/flowcharts/{flowchartIdOrName}/processboxes/{pbldOrName}

## Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
flowchartIdOrName	string	path	Interactive Flowchart id or name
pbldOrName	string	path	Process Box id or name
sessionId	number	query	Session id

## REQUEST

[Process Box - object \(on page 166\)](#)

## RESPONSE (Status code: 200)

[Process Box - object \(on page 166\)](#)

## Delete Process Box

DELETE /Campaign/api/interact/rest/v2/channels/{icIdOrName}/flowcharts/  
{flowchartIdOrName}/processboxes

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
flowchartIdOr- Name	string	path	Interactive Flowchart id or name
pblDs	string	query	Comma separated process box IDs to be deleted.
sessionId	num- ber	query	Session id

## RESPONSE (Status code: 200)

No content

## Interactive Flowchart

These APIs are used to perform CRUD operations on interactive flowcharts.

## Objects

For abbreviations, see the [Abbreviations \(on page 4\)](#) topic.

## Interactive Flowchart Option

Attribute Name	Type	Description	Re-quired Cr	Re-quired Up
audienceName	string	Audience name	ü	ü
flowchartName	string	Flowchart name	ü	ü
flowchartNote	string	Description of the Flowchart		

## Interactive Flowchart Response

Attribute Name	Type	Description
flowchartId	number	Flowchart id
flowchartName	string	Flowchart name
displayName	string	Display name
name	string	Name
fileName	string	Flowchart File name
description	string	Description of the Flowchart
audienceName	string	Audience name
sessionId	number	Session id
sessionName	string	Session name
retired	bool	Is retired?
createBy	number	Created by user
createDate	string	Created date

## Deployment Action

Attribute Name	Type	Description	Re-quired Cr	Re-quired Up
deployAction	string	Deployment Action <ul style="list-style-type: none"> <li>• markDeploy: Mark for deployment</li> <li>• markUnDeploy: Mark for undeployment</li> </ul>	✓	✓

## Deployment Data Object

Attribute Name	Type	Description
state	number	State <ul style="list-style-type: none"> <li>• 0: READY_FOR_DEPLOYMENT</li> <li>• 1: READY_FOR_UN_DEPLOYMENT</li> <li>• 2: MARK_FOR_DEPLOYMENT</li> <li>• 3: MARK_FOR_UN_DEPLOYMENT</li> </ul>
deployedState	number	Deployed state <ul style="list-style-type: none"> <li>• 10: NOT_YET_DEPLOYED</li> <li>• 11: DEPLOYED</li> <li>• 12: UN_DEPLOYED</li> <li>• 13: TO_BE_DEPLOYED</li> <li>• 14: TO_BE_UNDEPLOYED</li> </ul>
dirty	bool	Dirty deployment flag
lastProdDep-Time	date	Last production deployment time

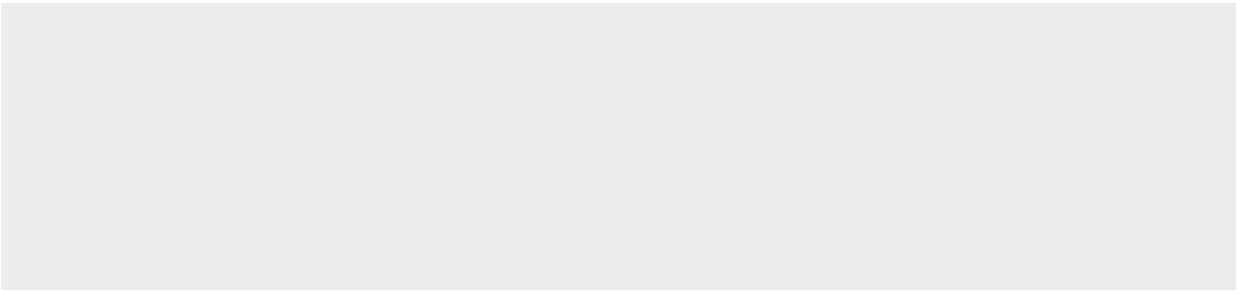


lastMarkTime	date	Last (un) marked for (un) deployment time
--------------	------	---

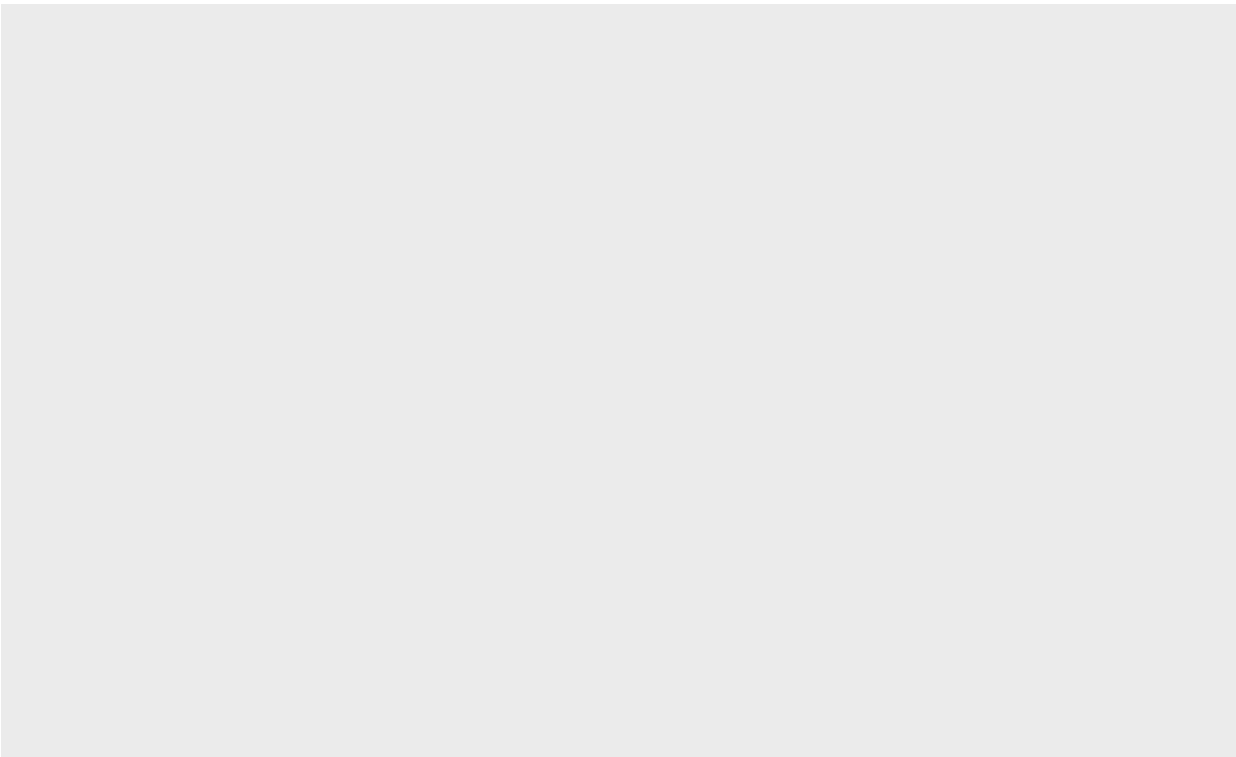
## Interactive flowchart - object

For details, see the [Objects \(on page 171\)](#) topic.

### Interactive Flowchart Option <interactive-flowchart-option-object>



### Interactive Flowchart Response <interactive-flowchart-response-object>



### Deployment Action <deployment-action-object>

```
{
  "deployAction": "string"
}
```

### Deployment Data <deployment-data-object>

```
{
  "deployedState": 0,
  "dirty": true,
  "lastMarkTime": "2021-01-01T01:02:03.456Z",
  "lastProdDepTime": "2021-01-01T01:02:03.456Z",
  "state": 0
}
```

## Create Interactive Flowchart

POST /Campaign/api/interact/rest/v2/channels/{icIdOrName}/flowcharts

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
sessionId	number	query	Session id

### REQUEST

[Interactive flowchart - object \(on page 174\)](#)

### RESPONSE (Status code: 200)

[Interactive flowchart - object \(on page 174\)](#)

## Validate Interactive Flowchart

GET /Campaign/api/interact/rest/v2/channels/{icIdOrName}/flowcharts/  
{flowchartIdOrName}/validation

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
flowchartIdOrName	string	path	Interactive Flowchart id or name
sessionId	number	query	Session id

### RESPONSE (Status code: 200)

No content

## Delete Interactive Flowchart

DELETE /Campaign/api/interact/rest/v2/channels/{icIdOrName}/flowcharts/  
{flowchartIdOrName}

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
flowchartIdOrName	string	path	Interactive Flowchart id or name
sessionId	number	query	Session id

### RESPONSE (Status code: 200)

No content

## Get Deployment State

GET /Campaign/api/interact/rest/v2/channels/{icIdOrName}/flowcharts/{flowchartIdOrName}/deployments

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
flowchartIdOrName	string	path	Interactive Flowchart id or name
sessionId	number	query	Session id

### RESPONSE (Status code: 200)

See the <deployment-data-object> in the [Interactive flowchart - object \(on page 174\)](#) topic.

## Mark for (Un) Deployment

PUT /Campaign/api/interact/rest/v2/channels/{icIdOrName}/flowcharts/{flowchartIdOrName}/deployments

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
flowchartIdOrName	string	path	Interactive Flowchart id or name
sessionId	number	query	Session id

### REQUEST

See the <deployment-action-object> in the [Interactive flowchart - object \(on page 174\)](#) topic.

### RESPONSE (Status code: 202)

See the <deployment-data-object> in the [Interactive flowchart - object \(on page 174\)](#) topic.

## Cancel Mark for (Un) Deployment

DELETE /Campaign/api/interact/rest/v2/channels/{icldOrName}/flowcharts/{flowchartIdOrName}/deployments

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
flowchartIdOrName	string	path	Interactive Flowchart id or name
sessionId	number	query	Session id

### RESPONSE (Status code: 200)

No Content.

## Simulation Scenario

### Description

These APIs are used to perform CRUD operations on Simulation Scenario.

## Objects

For abbreviations, see the [Abbreviations \(on page 4\)](#) topic.

### Simulation Scenario Object

Attribute Name	Type	Description	Re- quired  Cr	Re- quired  Up	Re- quired  Cp
id	num- ber	Unique id	x	x	x
name	string	Scenario name	✓		✓

description	string	Description of the scenario			
scenarioType	number	Type of scenario 1: Basic 2: Advanced 3: Coverage	✓	✓	✓
resultTable	string	Only applicable for coverage scenario, user defined database table name that is used to store simulation result. One table for one scenario. If table name is not specified, system creates database table with default name UACI_SimResults_<scenarioID>_	x	x	x
checkResult	boolean	Only applicable for coverage scenario, store value for checkbox “Warn to export previous run results” Because each run overrides previous run results in result table, by default, system will check if the table has content and confirm with user if it is OK to run and override. If user set checkResult = false, the system will not do any check, run simulation and override result table.	x	x	x
details	string	Json string that defines scenario details for each type of scenario	x	x	x
createBy	string	Created by user	x	x	x
createDate	number	Created date in Millis	x	x	x
updateBy	string	Updated by user	x	x	x
updateDate	number	Update date in Millis	x	x	x

## Scenario - object

For details, see the [Objects \(on page 81\)](#) topic.

**Scenario <Scenario-object>**

```
{
  "id": 55,
  "name": "C5",
  "description": "",
  "scenarioType": 3,
  "resultTable": "UACI_SimResults_55",
  "checkResult": true,
  "details": {
    "type": "coverage",
    "audienceLevel": "Customer",
    "audienceID": [
      {
        "field": "CustomerID",
        "opr": "gt",
        "value": "0"
      }
    ],
    "profile": [
      "CustomerID",
      "Name",
      "Channel",
      "Salary",
      "birthdate"
    ],
    "zoneID": [
      {
        "id": 2,
        "parameters": [
          {
            "n": "SimSaveOfferAttr",
            "v": "1",
            "t": "numeric"
          }
        ],
        "name": "Z1"
      }
    ]
  }
}
```

```

        "id": 4,
        "parameters": [],
        "name": "Z2"
      }
    ],
    "parameters": [
      {
        "n": "ReuseExistingPatternStates",
        "v": "true",
        "t": "string"
      }
    ]
  },
  "createDate": 1671580990527,
  "createBy": "qa",
  "updateDate": 1671630967540,
  "updateBy": "qa"
}

```

## Get All Simulation Scenarios

GET /Campaign/api/interact/rest/v2/channels/{icldOrName}/simulationscenarios

Note: This API only retrieves all coverage scenarios in version 12.1.5

### Request Parameters

Name	Type	In	Description
icldOr-Name	string	path	Interactive Channel id or name
page	number	query	nth page to retrieve records. Default is 0 (first page).
size	number	query	Number of records per page. Default is 50.

### Output

**Table 1. Response Codes**



Success	200	Ok
Error	400	Inputs provided for the API are not valid.
Server Error	500	Internal Server Error. For more details, check the logs.

## RESPONSE (Status Code: 200)

For <Scenario-object>, see the [Scenario - object \(on page 82\)](#) topic.

```
{
  "content": [
    <Scenario-object>
  ],
  "page": {
    "hasNext": true,
    "hasPrev": true,
    "pageNumber": 0,
    "size": 0,
    "totalElements": 0,
    "totalPages": 0
  }
}
```

## Get Simulation Scenario

GET /Campaign/api/interact/rest/v2/channels/{icldOrName}/simulationscenarios/  
{scenarioldOrName}

### Parameters

Name	Type	In	Description
------	------	----	-------------

icldOrName	string	path	Interactive Channel id or name
scenarioldOr- Name	string	path	Scenario id or name

**RESPONSE (Status code: 200)***Scenario - object (on page 82)*

## Create Simulation Scenario

POST /Campaign/api/interact/rest/v2/channels/{icldOrName}/simulationscenarios

**REQUEST***Simulation Scenario - object (on page 82)***RESPONSE (Status code: 201)***Simulation Scenario - object (on page 82)*

## Update Simulation Scenario

**Update**PUT /Campaign/api/interact/rest/v2/channels/{icldOrName}/simulationscenarios/  
{scenarioldOrName}**Parameters**

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
scenarioldOr- Name	string	path	Scenario id or name

**REQUEST***Simulation Scenario - object (on page 82)***RESPONSE (Status Code: 202)**

## Delete Simulation Scenario

DELETE /Campaign/api/interact/rest/v2/channels/{icldOrName}/simulationscenarios/  
{scenarioldOrName}

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
scenarioldOr- Name	string	path	Scenario id or name

### RESPONSE (Status code: 200)

No content

## Copy Simulation Scenario

POST /Campaign/api/interact/rest/v2/channels/{icldOrName}/simulationscenarios/  
{scenarioldOrName}

### Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
scenarioldOr- Name	string	path	Scenario id or name to copy from

### REQUEST

[Simulation Scenario - object \(on page 82\)](#)

### RESPONSE (Status code: 201)

*Simulation Scenario - object (on page 82)*

## Get Coverage Simulation Results

GET /Campaign/api/interact/rest/v2/channels/{icldOrName}/simulationscenarios/  
 {scenarioldOrName}/coverage/results

### Request Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
scenarioldOr- Name	string	path	Scenario id or name to copy from

### RESPONSE (Status code: 200)

*Coverage Result - object*

```
{
  "runID": 79,
  "status": 5,
  "statusMsg": "Exported to CSV",
  "duration": 0,
  "audienceProcessed": 10,
  "numberOfOfferServed": 5,
  "offersServed": {
    "content": [
      {
        "segment": "mediemIncome",
        "zone": "Z1",
        "offer": "Offer 000000006",
        "audienceServed": 4
      },
      {
        "segment": "mediemIncome",
        "zone": "Z1",
```

```

        "offer": "New Offer 00000001",
        "audienceServed": 4
    },
    {
        "segment": "highIncome",
        "zone": "Z1",
        "offer": "Offer 000000004",
        "audienceServed": 3
    },
    {
        "segment": "highIncome",
        "zone": "Z1",
        "offer": "Offer 000000008",
        "audienceServed": 3
    },
    {
        "segment": "highIncome",
        "zone": "Z1",
        "offer": "New Offer 00000002",
        "audienceServed": 3
    }
],
"page": {
    "pageNumber": 0,
    "totalElements": 5,
    "totalPages": 1,
    "size": 100,
    "hasNext": false,
    "hasPrev": false
}
}

```

## Export Coverage Simulation Results to CSV file

GET /Campaign/api/interact/rest/v2/channels/{icldOrName}/simulationscenarios/  
 {scenarioldOrName}/coverage/export

### Request Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
scenarioldOr-Name	string	path	Scenario id or name to copy from

### RESPONSE (Status code: 200)

```
{
  "type": "coverage",
  "logData": null,
  "msg": "No of records are exported = 17",
  "statusCode": 5
}
```

## Download Coverage Simulation Results

GET /Campaign/api/interact/rest/v2/channels/{icldOrName}/simulationscenarios/{scenarioldOrName}/coverage/download/{runId}

### Request Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
scenarioldOr-Name	string	path	Scenario id or name to copy from
runId	number	path	Run ID, the run results must have been exported to CSV file already

**RESPONSE (Status code: 200)**

```
{
  Content of exported csv file
}
```

## Simulation History

### Description

These APIs are used to perform CRUD operations on Simulation History.

### Objects

For abbreviations, see the [Abbreviations \(on page 4\)](#) topic.

### Simulation History Object

Attribute Name	Type	Description	Re-	Re-	Re-
			quired	quired	quired
			Cr	Up	Cp
runId	number	Unique Id of a simulation run	x	x	x
scenarioId	number	Scenario Id	✓	✓	✓
startTime	string	Start time of a simulation run	x	x	x
duration	number	Duration of a simulation run	x	x	x
audienceProcessed	number	Number of audiences processed in the run	x	x	x
status	number	Status of a simulation run 0: succeeded 1: running 2: cancelling 3: cancelled 4. exporting to CSV 5. exported to CSV 6. requested 101-999: failed	x	x	x

statusMsg	string	Status message	x	x	x
summary	string	File name of exported csv file	x	x	x
rtUrl	string	RT URL where the run is run on	x	x	x

## Simulation History - object

For details, see the [Objects \(on page 81\)](#) topic.

### Simulation History < Simulation-History-object >

```
{
  "runID": 79,
  "scenarioID": 52,
  "startTime": "12/23/2022 18:09:35",
  "duration": 0,
  "audienceProcessed": 10,
  "status": 5,
  "statusMsg": "Exported to CSV",
  "summary":
  "D:\\HCL1214\\Unica\\Interact\\data\\simulation\\UACI_SimResults_52_79.csv",
  "rtURL": "http://localhost:8002/interact/v2/simulation/52"
}
```

## Get All Simulation Histories

GET /Campaign/api/interact/rest/v2/channels/{icIdOrName}/  
simulationscenarios/{scenarioIdOrName}/histories

### Request Parameters

Name	Type	In	Description
------	------	----	-------------



icldOr-Name	string	path	Interactive Channel id or name
scenarioldOr-Name	string	path	Scenario id or name
page	number	query	nth page to retrieve records. Default is 0 (first page).
size	number	query	Number of records per page. Default is 50.

## Output

**Table 1. Response Codes**

Success	200	Ok
Error	400	Inputs provided for the API are not valid.
Server Error	500	Internal Server Error. For more details, check the logs.

## RESPONSE (Status Code: 200)

For <Simulation-history-object>, see the [Simulation History- object](#) topic.

```

{
  "content": [
    <Simulation-history-object>
  ],
  "page": {
    "hasNext": true,
    "hasPrev": true,
    "pageNumber": 0,
    "size": 0,
    "totalElements": 0,
    "totalPages": 0
  }
}

```

## Delete Simulation History

DELETE /Campaign/api/interact/rest/v2/channels/{icIdOrName}/simulationscenarios/{scenarioIdOrName}/histories/{runId}

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
scenarioIdOr-Name	string	path	Scenario id or name
runId	number	path	Run Id of the run history to delete

### RESPONSE (Status code: 200)

No content

## Delete All Simulation Histories

DELETE /Campaign/api/interact/rest/v2/channels/{icIdOrName}/simulationscenarios/

## Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
scenarioIdOr- Name	string	path	Scenario id or name

## RESPONSE (Status code: 200)

No content

## Interact Design Time Simulator Execution APIs

### Execution

This API for simulation execution of coverage scenarios.

POST:

/Campaign/api/interact/rest/v2/channels/{icIdOrName}/simulationscenarios/{scenarioIdOrName}/execution

## Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
scenarioIdOrName	number	path	Scenario ID or Name

## REQUEST

```
{
  "name": "serverGroupName",
  "instances": [{
    "name": "instance1",
    "url": "http://<ip>:<port>/interact"
  }]
}
```

## Response for Coverage Scenario:

### RESPONSE (Status Code: 200)

```
{
  "type": "coverage",
  "logData": null,
  "msg": "Running simulation succeeded",
  "statusCode": 0
}
```

## Get Running Status

This API to get coverage simulation running status.

### GET:

```
/Campaign/api/interact/rest/v2/channels/{icIdOrName}/simulationscenarios/{scenarioIdOrName}/execution/status
```

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
scenarioIdOrName	number	path	Scenario ID or Name

### REQUEST

```
{
  "name": "serverGroupName",
  "instances": [{
    "name": "instance1",
    "url": "http://<ip>:<port>/interact"
  }]
}
```

### RESPONSE (Status Code: 200)

```
{
  "type": "coverage",
  "logData": null,
  "msg": "Simulation not running",
  "statusCode": 1004
}
```

## Cancel Coverage Simulation

This API to cancel coverage simulation.

### DELETE:

```
/Campaign/api/interact/rest/v2/channels/{icIdOrName}/simulationscenarios/{scenarioIdOrName}/execution
```

## Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
scenarioIdOrName	number	path	Scenario ID or Name

## REQUEST

```
{
  "name": "serverGroupName",
  "instances": [{
    "name": "instance1",
    "url": "http://<ip>:<port>/interact"
  }]
}
```

## RESPONSE (Status Code: 200)

```
{
  "type": "coverage",
  "logData": null,
  "msg": "No ongoing simulation found for this scenario",
  "statusCode": 1002
}
```

## Check Coverage Simulation Result Table

This API to get result table status of coverage simulation.

GET:

/Campaign/api/interact/rest/v2/channels/{icIdOrName}/simulationscenarios/{scenarioIdOrName}/resultTableStatus

## Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
scenarioIdOrName	number	path	Scenario ID or Name

**RESPONSE (Status Code: 200)**

```
{
  "type": "coverage",
  "logData": null,
  "msg": "0",
  "statusCode": 0
}
```

## Interact Design Time Profile APIs

### Get Profile Audience ID Fields

This API to get profile audience id fields.

GET:

```
/Campaign/api/interact/rest/v2/channels/{icIdOrName}/audiences/{audienceLevel}
```

**Parameters**

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
audienceLevel	string	path	Audience level. For example: CUSTOMER.

**RESPONSE (Status Code: 200)**

```
[
  {
    "name": "customerid",
    "dataType": 2
  }
]
```

### Get Profile Data

This API to get profile data with page configuration.

GET:

```
/Campaign/api/interact/rest/v2/channels/{icIdOrName}/profiledata/{audienceLevel}/serverGroup=defaultServerGroup&page=0&size=10
```

## Parameters

Name	Type	In	Description
icldOrName	string	path	Interactive Channel id or name
audienceLevel	string	path	Audience level. For example: CUSTOMER.
serverGroup	string	param	serverGroup name For example = defaultServerGroup
Page, Size	Integer	param	Page number For example page=0 Size=10
filters	string	param	Filters is json string. For example: { "conditions": [{"name": "customerid", "op": "gte", "value": 1, "type": 2}] }

## REQUEST Filters

```
{
  "conditions":
  [
    {
      "name": "customerid",
      "op": "gte",
      "value": 1,
      "type": 2
    },
    {
      "name": "country",
      "op": "eq",
      "value": "US",
      "type": 1
    }
  ]
}
```

## RESPONSE (Status Code: 200)

```
[
  {
    "country": 1,
    "offercode1": 1,
    "firstname": 1,
    "mytestdate": 3,
    "customerid": 2,
```

```

    "name": 1,
    "salary": 2,
    "age": 2,
    "lastname": 1
  },
  {
    "country": "US",
    "offercode1": "000000001",
    "firstname": "Jon",
    "mytestdate": "2022-09-16 11:20:00.0",
    "customerid": "1",
    "name": "John",
    "salary": "*****",
    "age": "36",
    "lastname": "Done"
  }
]

```

## Get Profile Attributes

This API to get profile Attributes.

GET:

```

/Campaign/api/interact/rest/v2/channels/{icIdOrName}/profileattributes/{audienceLevel}/includePatterns=false&includeDimTables=true

```

### Parameters

Name	Type	In	Description
icIdOrName	string	path	Interactive Channel id or name
audienceLevel	string	path	Audience level. For example: CUSTOMER.
includePatterns	Boolean	param	Boolean include patterns Default value = false
includeDimTables	Boolean	param	Boolean include DimTable Default value = false



**RESPONSE (Status Code: 200)**

```
[
  {
    "Real-time attributes": [
      {
        "joinInfo": null,
        "baseTable": false,
        "attributes": [
          {
            "dataType": 1,
            "name": "colorAtt"
          },
          {
            "dataType": 3,
            "name": "dateAtt"
          },
          {
            "dataType": 1,
            "name": "priceAtt"
          }
        ],
        "tableName": null
      }
    ],
  },
  {
    "CUSTOMER": [
      {
        "joinInfo": {
          "joinColumns": [
            {
              "dimField": "CUSTOMERID",
              "baseField": "CUSTOMERID"
            }
          ],
          "joinType": 1,
          "joinTable": "informix_customer_profile_a"
        },
        "baseTable": false,
        "attributes": [
          {
            "dataType": 2,
            "name": "customerid"
          },
          {
            "dataType": 1,
            "name": "country"
          },
          {
            "dataType": 1,
            "name": "name"
          },
          {
            "dataType": 2,
            "name": "salary"
          }
        ]
      }
    ]
  }
]
```

```

    ],
    "tableName": "informix_customer_profile"
  },
  {
    "joinInfo": null,
    "baseTable": true,
    "attributes": [
      {
        "dataType": 2,
        "name": "customerid"
      },
      {
        "dataType": 1,
        "name": "firstname"
      },
      {
        "dataType": 1,
        "name": "lastname"
      },
      {
        "dataType": 2,
        "name": "age"
      },
      {
        "dataType": 1,
        "name": "country"
      }
    ]
  },
  "tableName": "informix_customer_profile_a"
}
]
}
]

```

## Interact Design Server Group API

### Get All Server Groups

This API is used to get all server groups.

**GET:** /Campaign/api/interact/rest/v2/servergroups?verbose=true

#### Parameters

Name	Type	In	Description
verbose	boolean	param	Verbose=true, return all server group name and interact instances Verbose=false, return all server group names only

**RESPONSE (Status Code: 200)**

```
[
  {
    "name": "cat-sg1",
    "instances": [
      {
        "name": "defaultinstanceURL",
        "url": "http://localhost:7005/Interact"
      }
    ]
  },
  {
    "name": "defaultServerGroup",
    "instances": [
      {
        "name": "defaultinstanceURL",
        "url": "http://localhost:7005/Interact"
      }
    ]
  }
]
```