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# 1.AuthenticationService

|  |  |
| --- | --- |
| **API Name** | User Authentication |
| **Description** | Authentication API is the main entry point into the dataIRISAPIplatform. The API performs following checks before granting the subscriber an access into the system :-1. Checks if the subscriber has been not been blocked. Subscriber is added to block list after 3 consecutive failed login attempts.
2. If step-1 succeeds; performs a gateway validation; where-in the AccessToken is checked for authenticity.
3. If step-2 succeeds; perform subscriber authentication and verifies for subscriber authenticity.
4. If step-3 succeeds; validates the subscriber type
	1. If subscriber is of the type ***Application***; account authentication is performed
	2. If subscriber is of the type ***Individual***; no additional validation / authentication processes are engaged.
5. After successful authentication [both at the subscriber and account level]; aunique session token is generated.
6. All subsequent API access uses private key handshaking architectures; based upon generated TokenID.

**Note**: Generated TokenID is active for 10 hours window. On expiry of the TokenID access to any dataIRIS API resource will be revoked. A new TokenID needs to be re-generated by invoking the authentication API. |
| **HTTP Method** | GET |
| **Media Type** | application/jsonapplication/xml |
| **URI** | <http://www.datairis.co/V1/auth/subscriber/?AccessToken=t1> |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| SubscriberUsername | Header | Yes | Subscriber’s account Username  |
| SubscriberPassword | Header | Yes | Subscriber’s account Password |
| SubscriberID | Header | Yes | Account ID associated with Subscriber |
| AccessToken | Query | Yes | Access token for Subscriber |

If the Subscriber is of the type Application; additional parameters are required for validating account authenticity

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| AccountID | Header | No | Account ID if Subscriber is of type App |
| AccountUsername | Header | No | Account username. Required only if the Username/Password Authentication Mode configured at account level |
| AccountPassword | Header | No | Account password. Required only if the Username/Password Authentication Mode configured at account level |
| AccountIP | Header | No | Account User IP Address. |
| AccountRefURL | Header | No | AccountReferenceURL is required only in case of refURLbasedauthentication. |
| isCookie | Header | No | isCookie is required for cookie based authentication . |

 |
| **Request** | <http://www.datairis.co/V1/auth/subscriber/?AccessToken=t1> |
| **Response** | { "Response":{ "responseDetails":{ "TokenID":"a5a48a650127104199096ff0093c9dae8956", "APIAccessLevel":"Level-2", "AccountAuthMode":"COOKIE-AUTH", "SubscriberAuthMode":"UNPWD-AUTH" }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Authentication Service Exception | Authentication Service Exception. |
| A-511 | Failed | Invalid Access Credentials. |
| A-512 | Failed | Invalid Access Token. User will be blocked after 3 failed attempts. |
| B-510 | Failed | Subscriber has been blocked temporarily. |

 |

# 2. Criteria Services

## 2.1 Search

### 2.1.1 Add Search Criteria

|  |  |
| --- | --- |
| **API Name** | Add Search Criteria |
| **Description** | Adding individual search criteria |
| **HTTP Method** | PUT |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/criteria/search/add/{databaseType}/{criteriaName}/{criteriaValue}](http://www.datairis.co/V1/criteria/search/add/%7BdatabaseType%7D/%7BcriteriaName%7D/%7BcriteriaValue%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API |
| databaseType | URI | Yes | Database against which the action is being performed. |
| CriteriaName | URI | Yes | Criteria Name |
| CriteriaValue | URI | Yes | Criteria Value |

 |
| **Request** | <http://www.datairis.co/V1/criteria/search/add/business/First_Name/Neel> |
| **Response** | { "Response":{ "responseDetails":{ "SearchCriteriaMap":{ "First\_Name":"Neel" } }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the requestare sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generatingresponse entities which have content characteristics not acceptableaccording to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Add Criteria Service Exception | Add Criteria Service Exception |
| I-501 | Invalid Token | Invalid Token . Token has expired or invalid. |
| Q-505 | No API found for this context. | No API found for this context. |
| A-505 | ACL - Restriction Error | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan. |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| Q-505 | Access Quota Restriction | Configured Usage Plan Access Quota Exceed.. |
| C-700 | Invalid Search Criteria | Invalid Sort Criteria Entries |

 |

### 2.1.2 Add All Search Criteria

|  |  |
| --- | --- |
| **API Name** | Add All Search Criteria |
| **Description** | Create and add multiple search criteria to search request |
| **HTTP Method** | PUT |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/criteria/search/addall/{DatabaseType}](http://www.datairis.co/V1/criteria/search/addall/%7BDatabaseType%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |
| Content-Type | Header | Yes | Body data type [Application/JSON] |
| databaseType | URI | Yes | Database against which the action is being performed. |

 |
| **Request** | <http://www.datairis.co/V1/criteria/search/addall/business> |
| **Response** | { "Response":{ "responseDetails":{ "SearchCriteriaMap":{ "Company\_Name":"Apple,IBM", "Last\_Name":"Apple,IBM", "First\_Name":"James,Jack" } }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to theacceptHeader sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Add ALL Search Criteria Service Exception | Add ALL Search Criteria Service Exception |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| I-501 | Invalid Token | Invalid Token. Token has expired or invalid. |
| C-700 | Invalid Search Criteria | Invalid Sort Criteria Entries |

 |

### 2.1.3 Delete Search Criteria

|  |  |
| --- | --- |
| **API Name** | Delete Search Criteria |
| **Description** | Delete the specified criteria from existing search criteria |
| **HTTP Method** | DELETE |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/criteria/search/delete/{DatabaseType}/{CriteriaName}](http://www.datairis.co/V1/criteria/search/delete/%7BDatabaseType%7D/%7BCriteriaName%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |
| databaseType | URI | Yes | Database against which the action is being performed. |
| CriteriaName | URI | Yes | CriteriaName. |

 |
| **Request** | [http://www.datairis.co/V1/criteria/search/delete/business/Last\_Name](http://app-server-IP-Address:8080/usn-webservice/V1/criteria/search/delete/%7BDatabaseType%7D/%7BCriteriaName%7D/?DatabaseType=business&CriteriaName=Last_Name) |
| **Response** | { "Response":{ "responseDetails":{ "SearchCriteriaMap":{ "Company\_Name":"Apple,IBM", "First\_Name":"James,Jack" } }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding tothe request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Headers sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Delete Search Criteria Service Exception | Delete Search Criteria Service Exception |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| I-501 | Invalid Token | Invalid Token. Token has expired or invalid. |

 |

### 2.1.4 Delete All Search Criteria

|  |  |
| --- | --- |
| **API Name** | Delete All Search Criteria |
| **Description** | Delete the all existing criteria’s from search criteria  |
| **HTTP Method** | DELETE |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/criteria/search/deleteall/{DatabaseType}](http://www.datairis.co/V1/criteria/search/deleteall/%7BDatabaseType%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |
| databaseType | URI | Yes | Database against which the action is being performed. |

 |
| **Request** | <http://www.datairis.co/V1/criteria/search/deleteall/business> |
| **Response** | { "Response":{ "responseDetails":{ "SearchCriteriaMap":{ } }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding tothe request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Headers sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Delete Search Criteria Service Exception | Delete Search Criteria Service Exception |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| I-501 | Invalid Token. | Invalid Token. Token has expired or invalid. |

 |

### 2.1.5 Get All Search Criteria

|  |  |
| --- | --- |
| **API Name** | Get All Search Criteria |
| **Description** | Retrievesallavailable search criteria’s within Subscriber session context |
| **HTTP Method** | GET |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/criteria/search/getall/{DatabaseType}](http://www.datairis.co/V1/criteria/search/getall/%7BDatabaseType%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |
| databaseType | URI | Yes | Database against which the action is being performed. |

 |
| **Request** | <http://www.datairis.co/V1/criteria/search/getall/business> |
| **Response** | { "Response":{ "responseDetails":{ "SearchCriteriaMap":{ "First\_Name":"Neel" } }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding tothe request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Headers sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get all Search Criteria Service Exception | Get all Search Criteria Service Exception |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| I-501 | Invalid Token | Invalid Token. Token has expired or invalid. |

 |

## 2.2 Sort

### 2.2.1 Add Sort Criteria

|  |  |
| --- | --- |
| **API Name** | Add Sort Criteria |
| **Description** | Add sort criteria details to subscriber session context |
| **HTTP Method** | PUT |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/criteria/sort/add/{DatabaseType}/{SortName}/{SortValue}](http://www.datairis.co/V1/criteria/sort/add/%7BDatabaseType%7D/%7BSortName%7D/%7BSortValue%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |
| databaseType | URI | Yes | Database against which the action is being performed. |
| SortName | URI | Yes | SortName |
| SortValue | URI | Yes | SortValue |

 |
| **Request** | [http://www.datairis.co/V1//criteria/sort/add/business/First\_Name/asc](http://app-server-IP-Address:8080/usn-webservice/V1/criteria/sort/add/%7BDatabaseType%7D/%7BSortName%7D/%7BSortValue%7D/?DatabaseType=business&SortName=First_Name&SortValue=asc) |
| **Response** | { "Response":{ "responseDetails":{ "SortCriteriaMap":{ "First\_Name":"asc" } }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding tothe request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Headers sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Add Sort Criteria Service Exception | Add Sort Criteria Service Exception |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| I-501 | Invalid Token | Invalid Token. Token has expired or invalid. |
| C-700 | Invalid Sort Criteria | Invalid Sort Criteria Entries |

 |

### 2.2.2 Add All Sort Criteria

|  |  |
| --- | --- |
| **API Name** | AddAllSortCriteria |
| **Description** | Add multiple sort criteria to subscribers session context |
| **HTTP Method** | PUT |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/criteria/sort/addall/{DatabaseType}](http://www.datairis.co/V1/criteria/sort/addall/%7BDatabaseType%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| Content-Type | Header | Yes | Response body type format |
| TokenID | Header | Yes | TokenID generated by authentication API. |
| databaseType | URI | Yes | Database against which the action is being performed. |

 |
| **Request** | <http://www.datairis.co/V1/criteria/sort/addall/business> |
| **Response** | { "Response":{ "responseDetails":{ "SortCriteriaMap":{ "Company\_Name":"asc", "Last\_Name":"asc", "First\_Name":"desc" } }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding tothe request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Add All Sort Criteria Service Exception | Add All Sort Criteria Service Exception |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| I-501 | Invalid Token. | Invalid Token. Token has expired or invalid. |
| C-700 | Invalid Sort Criteria | Invalid Sort Criteria Entries |

 |

### 2.2.3 Delete Sort Criteria

|  |  |
| --- | --- |
| **API Name** | DeleteSortCriteria |
| **Description** | Delete single criteria from subscriber session context |
| **HTTP Method** | DELETE |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/criteria/sort/delete/{DatabaseType}/{SortName}](http://www.datairis.co/V1/criteria/sort/delete/%7BDatabaseType%7D/%7BSortName%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |
| databaseType | URI | Yes | Database against which the action is being performed. |
| SortName | URI | Yes | SortName |

 |
| **Request** | http://www.datairis.co/V1/criteria/sort/delete/business/First\_Name |
| **Response** | { "Response":{ "responseDetails":{ "SortCriteriaMap":{ "Company\_Name":"asc", "Last\_Name":"asc" } }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding tothe request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Delete sort Criteria Service Exception | Delete sort Criteria Service Exception |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| I-501 | Invalid Token | Invalid Token. Token has expired or invalid. |

 |

### 2.2.4 Delete All Sort Criteria

|  |  |
| --- | --- |
| **API Name** | Delete All Sort Criteria |
| **Description** | Delete all sort criteria from subscriber session context |
| **HTTP Method** | DELETE |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/criteria/sort/deleteall/{DatabaseType}](http://www.datairis.co/V1/criteria/sort/deleteall/%7BDatabaseType%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |
| databaseType | URI | Yes | Database against which the action is being performed. |

 |
| **Request** | <http://www.datairis.co/V1/criteria/sort/deleteall/business/> |
| **Response** | { "Response":{ "responseDetails":{ "SortCriteriaMap":{ } }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding tothe request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Delete Sort Criteria Service Exception | Delete Sort Criteria Service Exception |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| I-501 | Invalid Token | Invalid Token. Token has expired or invalid. |

 |

### 2.2.5 Get All Sort Criteria

|  |  |
| --- | --- |
| **API Name** | Get All Sort Criteria |
| **Description** | Retrieves the active sort criteria list from subscriber context |
| **HTTP Method** | GET |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/criteria//sort/getall/{DatabaseType}](http://www.datairis.co/V1/criteria/sort/getall/%7BDatabaseType%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |
| databaseType | URI | Yes | Database against which the action is being performed. |

 |
| **Request** | <http://www.datairis.co/V1/criteria/sort/getall/business> |
| **Response** | { "Response":{ "responseDetails":{ "SortCriteriaMap":{ } }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding tothe request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get ALL sort Criteria Service Exception | Get ALL sort Criteria Service Exception |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| I-501 | Invalid Token | Invalid Token. Token has expired or invalid. |

 |

# 3. SearchServices

## 3.1. Get Count

|  |  |
| --- | --- |
| **API Name** | Get Count |
| **Description** | Retrieves result count that are available against the applied search criteria |
| **HTTP Method** | GET |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/search/count/{DatabaseType}](http://www.datairis.co/V1/search/count/%7BDatabaseType%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |
| databaseType | URI | Yes | Database against which the action is being performed. |

 |
| **Request** | <http://www.datairis.co/V1/search/count/business> |
| **Response** | { "Response":{ "responseDetails":{ "SearchCount":559930 }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get Search Result Count Service Exception | Get Search Result Count Service Exception |
| I-501 | Invalid Token | Invalid Token . Token has expired or invalid. |
| Q-506 | No API found for this context | No API found for this context., Contact API Provider. |
| A-505 | ACL - Restriction Error | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan. |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| Q-505 | Access Quota Restriction | Configured Usage Plan Access Quota Exceed. |

 |

## 3.2 Get Results

|  |  |
| --- | --- |
| **API Name** | Get Results |
| **Description** | This API provides, complete result set for the applied search and sort criteria |
| **HTTP Method** | GET |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/search/{databaseType}](http://www.datairis.co/V1/search/%7BdatabaseType%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| Start | Query | Yes | Pagination Start record count. |
| End | Query | Yes | Pagination End record count. |
| TokenID | Header | Yes | TokenID generated by authentication API. |
| databaseType | URI | Yes | Database against which the action is being performed. |

 |
| **Request** | <http://www.datairis.co/V1/search/business/?Start=1&End=10> |
| **Response** | {"Response":{"responseDetails": {"SearchResult": {"totalCount": 37475244,"startRecord": 24,"recordCount": 26,"searchResultRecord": [(26){"resultFields": [(18){"fieldValue": "1","fieldName": "is primaryExec"}, . . . ]}],"query": "q=\*:\*&fl=\*,score&qt=edismax&sort=score desc&bq=&start=24&rows=26"}},"responseCode": "200","responseMessage": "Success"}} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Code** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get Search Results Service Exception | Get Search Results Service Exception |
| I-501 | Invalid Token | Invalid Token . Token has expired or invalid. |
| Q-506 | No API found for this context | No API found for this context., Contact API Provider |
| A-505 | ACL - Restriction Error | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| Q-505 | Access Quota Restriction | Configured Usage Plan Access Quota Exceed. |

 |

## 3.3 Get Metadata

|  |  |
| --- | --- |
| **API Name** | Get Metadata |
| **Description** | Provides metadata of specified database. i.e. * List of Fields that are available for searching
* Query format details
* Field Operator details
* Masking Details
* Formatting details
* Display ordering details
* etc
 |
| **HTTP Method** | GET |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/search/metadata/{DatabaseType}](http://www.datairis.co/V1/search/metadata/%7BDatabaseType%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |
| databaseType | URI | Yes | Database against which the action is being performed. |

 |
| **Request** | <http://www.datairis.co/V1/search/metadata/business> |
| **Response** | {"Response":{ "responseDetails":{ "Metadata":[ { "expression":{ "isCustomizable":"true", "expressionSyntax":null, "isApplicable":"true" }, "displayOrderId":{ "isCustomizable":"true", "value":"1" }, "displayWidth":{ "isCustomizable":"true", "value":"-1" }, "isHiddenField":{ "isCustomizable":"true", "value":"false" }, "isSortable":{ "isCustomizable":"true", "value":"false" }, "masking":{ "isCustomizable":"true", "isApplicable":"true", "maskFormat":null, "maskRequiredLength":null }, "decodeOutput":{ "isCustomizable":"true", "isApplicable":"true", "decodes":[ ] }, "queryExpression":{ "sortQueryExpression":"alphacompanyname\_sort %SORT\_MODE%", "boosterQueryExpression":"((companyname\_exact:(\"%1\")^1.0) OR ((Company\_Name:\"%1\")^0.5))", "queryFormatExpression":"(companyname\_exact:(\"%1\") OR (Company\_Name:\"%1\") OR companyname2\_exact:(\"%1\") OR (Company\_Name\_2:\"%1\"))" }, "searchDetails":{ "searchOnFirstChar":"", "searchCase":"" }, "fieldOperator":{ "isCustomizable":"true", "value":"AND" }, "isCustomizable":"true", "isSearchable":"true", "isVisible":"true", "id":"Company\_Name", "displayName":{ "isCustomizable":"true", "value":"Company Name" }, "dataType":"STRING" } ] }, "responseCode":"200", "responseMessage":"Success"}} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get Metadata Service Exception | Get Metadata Service Exception |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| I-501 | Invalid Token | Invalid Token . Token has expired or invalid. |
| Q-506 | No API found for this context. | No API found for this context., Contact API Provider. |
| A-505 | ACL - Restriction Error. | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan. |
| Q-505 | Access Quota Restriction. | Configured Usage Plan Access Quota Exceed. |

 |

## 3.4 Get Details

|  |  |
| --- | --- |
| **API Name** | Get Details |
| **Description** | Provides detailed information for the selected record set (A user can only pass “ID” as a criteria) |
| **HTTP Method** | GET |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/search/recordDetail/{databaseType}/{fieldName}/{fieldValue}](http://www.datairis.co/V1/search/recordDetail/%7BdatabaseType%7D/%7BfieldName%7D/%7BfieldValue%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API |
| databaseType | URI | Yes | Database against which the action is being performed. |
| fieldName | URI | Yes | fieldName |
| fieldValue | URI | Yes | fieldValue |

 |
| **Request** | <http://www.datairis.co/V1/search/recordDetail/business/Id/11132543091991> |
| **Response** | {"Response":{"responseDetails":{"RecordDetail":{"totalCount":1,"searchResultRecord":[{"resultFields":[{"fieldValue":"11132543091991","fieldID":"Id","fieldName":"Id"},{"fieldValue":"N/A","fieldID":"Record\_Type","fieldName":"Record\_Type"}, . . . . ]}],"recordCount":1,"startRecord":1,"query":"-"}},"responseCode":"200","responseMessage":"Success"}} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get Record Detail Service Exception | Get Record Detail Service Exception |
| I-501 | Invalid Token | Invalid Token . Token has expired or invalid. |
| Q-506 | No API found for this context | No API found for this context., Contact API Provider. |
| A-505 | ACL - Restriction Error | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan. |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| Q-505 | Access Quota Restriction | Configured Usage Plan Access Quota Exceed |

 |

## 3.5 Get Mapped DB’s

|  |  |
| --- | --- |
| **API Name** | Mapped DB’s |
| **Description** | Provides list of accessible databases. |
| **HTTP Method** | GET |
| **Media Type** | application/jsonapplication/xml |
| **URI** | <http://www.datairis.co/V1/search/mapped/database> |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API |

 |
| **Request** | <http://www.datairis.co/V1/search/mapped/database> |
| **Response** | {"Response":{"responseDetails":{"MappedDatabases":[{"dbName":"business"},{"dbName":"cellphone"},{"dbName":"newbusiness"}]},"responseCode":"200","responseMessage":"Success"}} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get Record Detail Service Exception | Get Record Detail Service Exception |
| I-501 | Invalid Token | Invalid Token . Token has expired or invalid. |
| Q-506 | No API found for this context | No API found for this context., Contact API Provider. |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| A-505 | ACL - Restriction Error | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan. |
| Q-505 | Access Quota Restriction | Configured Usage Plan Access Quota Exceed |

 |

## 3.6 Get Multi Executive Details

|  |  |
| --- | --- |
| **API Name** | gaetMultiExecutiveDetails |
| **Description** | Retrieves multiple executive details for a particular search criteria.  |
| **HTTP Method** | POST |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/search/multiexecutive/{DatabaseType}](http://www.datairis.co/V1/search/multiexecutive/%7BDatabaseType%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API |
| databaseType | URI | Yes | Database against which the action is being performed. |

 |
| **Request** | <http://www.datairis.co/V1/search/multiexecutive/business> |
| **Response** | { "Response":{ "responseDetails":{ "SearchResult":{ "totalCount":0, "searchResultRecord":[ ], "recordCount":0, "startRecord":0, } }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get Record Detail Service Exception | Get Record Detail Service Exception |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| I-501 | Invalid Token | Invalid Token . Token has expired or invalid. |
| Q-506 | No API found for this context | No API found for this context., Contact API Provider. |
| A-505 | ACL - Restriction Error | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan. |
| Q-505 | Access Quota Restriction | Configured Usage Plan Access Quota Exceed |

 |

# 4. Report Service

|  |  |
| --- | --- |
| **API Name** | Reporting Service |
| **Description** | Fetch the statistical reports on pivoting by* daterange,
* by-day,
* by-week,
* by-month,
* by-database
* by-auth
 |
| **HTTP Method** | GET |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/reports/{ReportType}/{AccountID}/{StartDate}/{EndDate}](http://www.datairis.co/V1/reports/%7BReportType%7D/%7BAccountID%7D/%7BStartDate%7D/%7BEndDate%7D) |
| **Substitutes** | Report type can be one of the value below:-* DateRange
* ByMonth
* ByDay
* ByWeek
* ByAuth
* ByDatabase
 |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| ReportType | URI | Yes | Type of report we need to fetch like date range,by-month,etc.. |
| AccountID | URI | Yes | Valid account id. |
| StartDate | URI | Yes | Start Date from where the report needs to fetch. |
| EndDate | URI | Yes | End Date until where the report needs to fetch. |
| TokenID | Header | Yes | TokenID generated by authentication API. |

 |
| **Request** | <http://www.datairis.co/V1/reports/ByDay/1/2012-02-22/2012-02-24> |
| **Response** | This is example for ByDate{ "Response":{ "responseDetails":{ "ReportDetails":[ ] }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Headersent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Reporting Service Exception | Reporting Service Exception |
| I-501 | Invalid Token. Token has expired or invalid. | Invalid Token. Token has expired or invalid. |
| Q-506 | No API found for this context | No API found for this context., Contact API Provider. |
| A-505 | ACL - Restriction Error | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan. |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| Q-505 | Access Quota Restriction | Configured Usage Plan Access Quota Exceed |

 |

# 5. Personalization Services

## 5.1 Get AvailableLayout

|  |  |
| --- | --- |
| **API Name** | Get AvailableLayout |
| **Description** | Provides list of layout available for particular subscriber |
| **HTTP Method** | GET |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/personalization/availableayouts](http://app-server-IPAddress:8080/usn-webservice/V1/personalization/availableayouts) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |

 |
| **Request** | <http://www.datairis.co/V1/personalization/availablelayouts> |
| **Response** | { "Response":{ "responseDetails":{ "AvailableLayouts":[ "home\_layout", "business\_search\_layout", "search\_results", "search\_results\_detail\_layout" ] }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get Available Layout Service Exception | Get Available Layout Service Exception |
| I-501 | Invalid Token | Invalid Token . Token has expired or invalid. |
| Q-506 | No API found for this context. | No API found for this context., Contact API Provider. |
| A-505 | ACL - Restriction Error. | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan. |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| Q-505 | Access Quota Restriction. | Configured Usage Plan Access Quota Exceed. |

 |

## 5.2 Get LayoutDetail

|  |  |
| --- | --- |
| **API Name** | Get LayoutDetail |
| **Description** | Provides complete layout detail for given layout specification e.gsearch, results, etc.. |
| **HTTP Method** | GET |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/personalization/layout/{LayoutID}](http://www.datairis.co/V1/personalization/layout/%7BLayoutID%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |
| LayoutID | URI | Yes | LayoutID. |

 |
| **Request** | <http://www.datairis.co/V1/personalization/layout/home_layout> |
| **Response** | { "Response":{ "responseDetails":{ "LayoutDetail":{ "uielements":{ "uielement":[ { "functionalityID":"Fn\_Help", "isEnabled":"true", "isVisible":"true", "displayOrderId":"1", "displayWidth":"-1", "referenceLookUp":null, "htmlcomponentType":"link", "linkRefrence":null, "portletRefrence":null, "regEx":{ "isApplicable":"true", "regExFormat":"\*" }, "id":"help\_link", "displayName":"Help", "target":"popup", "dataType":"STRING" } ] }, "portletRefs":{ "portletRef":[ { "displayOrder":"1", "id":"header\_menu" }, { "displayOrder":"2", "id":"home\_find\_a\_business" }, { "displayOrder":"3", "id":"home\_find\_a\_job" }, { "displayOrder":"4", "id":"home\_find\_a\_person" }, { "displayOrder":"5", "id":"home\_search\_by\_phone" }, { "displayOrder":"6", "id":"home\_email\_logo" }, { "displayOrder":"7", "id":"home\_page\_logo" }, { "displayOrder":"8", "id":"business" }, { "displayOrder":"9", "id":"newbusiness" }, { "displayOrder":"10", "id":"healthcare" }, { "displayOrder":"11", "id":"combined" }, { "displayOrder":"12", "id":"consumer" }, { "displayOrder":"13", "id":"newmover" }, { "displayOrder":"14", "id":"newhomemover" }, { "displayOrder":"15", "id":"cellphone" } ] }, "specialPortletRefs":null, "id":"home\_layout", "title":"Search | AtoZdatabases", "format":{ "columns":"3", "rows":"3" }, "target":"base" } }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get Layout Details Service Exception | Get Layout Details Service Exception |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| I-501 | Invalid Token | Invalid Token . Token has expired or invalid. |
| Q-506 | No API found for this context | No API found for this context., Contact API Provider. |
| A-505 | ACL - Restriction Error | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan |
| Q-505 | Access Quota Restriction. | Configured Usage Plan Access Quota Exceed. |

 |

## 5.3 Get Portlet Detail

|  |  |
| --- | --- |
| **API Name** | Get PortletDetail |
| **Description** | Provides complete port let details of business |
| **HTTP Method** | GET |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/personalization/portlet/{PortletID}](http://www.datairis.co/V1/personalization/portlet/%7BPortletID%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |
| PortletID | URI | Yes | PortletID |

 |
| **Request** | <http://www.datairis.co/V1/personalization/portlet/home_find_a_business> |
| **Response** | { "Response":{ "responseDetails":{ "PortletDetail":{ "header":"Find a Business", "footer":null, "uielements":{ "uielement":[ { "functionalityID":null, "isEnabled":"true", "isVisible":"true", "displayOrderId":"1", "displayWidth":"50", "referenceLookUp":null, "htmlcomponentType":"label", "linkRefrence":null, "portletRefrence":null, "regEx":{ "isApplicable":"true", "regExFormat":"\*" }, "id":"business\_Name", "displayName":"Business Name", "target":null, "dataType":"STRING" }, { "functionalityID":null, "isEnabled":"true", "isVisible":"true", "displayOrderId":"2", "displayWidth":"-1", "referenceLookUp":null, "htmlcomponentType":"textbox", "linkRefrence":null, "portletRefrence":null, "regEx":null, "id":"Company\_Name", "displayName":"", "target":null, "dataType":"" }, { "functionalityID":null, "isEnabled":"true", "isVisible":"true", "displayOrderId":"1", "displayWidth":"-1", "referenceLookUp":"", "htmlcomponentType":"radiobutton", "linkRefrence":null, "portletRefrence":null, "regEx":{ "isApplicable":"true", "regExFormat":"\*" }, "id":"business\_radiobutton", "displayName":"Most Common", "target":null, "dataType":"select" }, { "functionalityID":null, "isEnabled":"true", "isVisible":"true", "displayOrderId":"3", "displayWidth":"50", "referenceLookUp":null, "htmlcomponentType":"label", "linkRefrence":null, "portletRefrence":null, "regEx":{ "isApplicable":"true", "regExFormat":"\*" }, "id":"city", "displayName":"City", "target":null, "dataType":"STRING" }, { "functionalityID":null, "isEnabled":"true", "isVisible":"true", "displayOrderId":"3", "displayWidth":"50", "referenceLookUp":"", "htmlcomponentType":"autocomplete", "linkRefrence":null, "portletRefrence":null, "regEx":{ "isApplicable":"true", "regExFormat":"\*" }, "id":"Physical\_City", "displayName":"", "target":null, "dataType":"STRING" }, { "functionalityID":null, "isEnabled":"true", "isVisible":"true", "displayOrderId":"4", "displayWidth":"-1", "referenceLookUp":null, "htmlcomponentType":"label", "linkRefrence":null, "portletRefrence":null, "regEx":{ "isApplicable":"true", "regExFormat":"\*" }, "id":"state", "displayName":"State", "target":null, "dataType":"STRING" }, { "functionalityID":null, "isEnabled":"true", "isVisible":"true", "displayOrderId":"4", "displayWidth":"-1", "referenceLookUp":"XXXXXXX", "htmlcomponentType":"dropdown", "linkRefrence":"http://google.com", "portletRefrence":null, "regEx":null, "id":"Physical\_State", "displayName":"", "target":null, "dataType":"STRING" }, { "functionalityID":null, "isEnabled":"true", "isVisible":"true", "displayOrderId":"5", "displayWidth":"-1", "referenceLookUp":null, "htmlcomponentType":"button", "linkRefrence":null, "portletRefrence":null, "regEx":{ "isApplicable":"true", "regExFormat":"\*" }, "id":"search", "displayName":"Search", "target":null, "dataType":"STRING" } ] }, "functionalityID":null, "isEnabled":"true", "isVisible":"true", "isMaximizable":"true", "isDraggable":"false", "jspReference":"", "id":"home\_find\_a\_business", "dimension":{ "height":"300px", "width":"400px" } } }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get Portlet Details Service Exception | Get Portlet Details Service Exception |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| I-501 | Invalid Token | Invalid Token . Token has expired or invalid. |
| Q-506 | No API found for this context | No API found for this context., Contact API Provider. |
| A-505 | ACL - Restriction Error | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan |
| Q-505 | Access Quota Restriction. | Configured Usage Plan Access Quota Exceed.. |

 |

## 5.4 Get Theme Detail

|  |  |
| --- | --- |
| **API Name** | Get Theme Detail |
| **Description** | Provides theme detail for particular layout or portlet for the given subscriber |
| **HTTP Method** | GET |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/personalization/theme](http://app-server-IPAddress:8080/usn-webservice/V1/personalization/theme) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |

 |
| **Request** | [http://www.datairis.co/V1/personalization/theme](http://app-server-IPAddress:8080/usn-webservice/V1/personalization/theme) |
| **Response** | { "responseDetails":{ "ThemeDetails":"http://dev.atozdatabases.com/css/custom/custom272.css" }, "responseCode":"200", "responseMessage":"Success"} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get Theme Details Service Exception | Get Theme Details Service Exception |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| I-501 | Invalid Token | Invalid Token . Token has expired or invalid. |
| Q-506 | No API found for this context | No API found for this context., Contact API Provider. |
| A-505 | ACL - Restriction Error | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan |
| Q-505 | Access Quota Restriction. | Configured Usage Plan Access Quota Exceed.. |

 |

## 5.5 Get Group Details

|  |  |
| --- | --- |
| **API Name** | Get Group Details |
| **Description** | Provides details of all field groups in a specific database. |
| **HTTP Method** | GET |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/personalization/groupdetails/{DatabaseType}](http://www.datairis.co/V1/personalization/groupdetails/%7BDatabaseType%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |
| databaseType | URI | Yes | Database against which the action is being performed. |

 |
| **Request** | <http://www.datairis.co/V1/personalization/groupdetails/business> |
| **Response** | {"Response":{"responseDetails":{"groupDetails":{"group":[{"isVisible":"true","displayOrderID":"1","logicalFields":{"logicalField":[{"fieldID":"Physical\_State","isVisible":"true","jspReference":"filteredmultiselect","portletReference":"business\_search\_state","referenceLookUp":"Physical\_State","displayName":"State"},{"fieldID":"Physical\_State\_Physical\_City","isVisible":"true","jspReference":"2levelsubfilteredmultiselect","portletReference":"business\_search\_city","referenceLookUp":"Physical\_State\_Physical\_City","displayName":"City"},{"fieldID":"CBSA\_Code","isVisible":"true","jspReference":"2levelsubfilteredmultiselect","portletReference":"business\_search\_metro\_area","referenceLookUp":"CBSA\_Code","displayName":"Metro Area"},{"fieldID":"Vendor\_State\_County","isVisible":"true","jspReference":"2levelsubfilteredmultiselect","portletReference":"business\_search\_county","referenceLookUp":"Vendor\_State\_County","displayName":"County"},{"fieldID":"Physical\_Zip","isVisible":"true","jspReference":"200textboxwpaste","portletReference":"business\_search\_zip\_code","referenceLookUp":"","displayName":"ZIP Code"},{"fieldID":"Physical\_Address","isVisible":"true","jspReference":"","portletReference":"business\_search\_address","referenceLookUp":"","displayName":"Address"},{"fieldID":"proximity","isVisible":"true","jspReference":"radiusProximity","portletReference":"business\_search\_radius","referenceLookUp":"","displayName":"Radius Around an Address or ZIP Code"}]},"id":"GeographyInfo","displayName":"Geography"},...]}},"responseCode":"200","responseMessage":"Success"}} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get Theme Details Service Exception | Get Theme Details Service Exception |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| I-501 | Invalid Token | Invalid Token . Token has expired or invalid. |
| Q-506 | No API found for this context | No API found for this context., Contact API Provider. |
| A-505 | ACL - Restriction Error | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan |
| Q-505 | Access Quota Restriction. | Configured Usage Plan Access Quota Exceed.. |

 |

## 5.6 Get Header Details

|  |  |
| --- | --- |
| **API Name** | Get Header Details |
| **Description** | Retrieves the Header details for a given layout |
| **HTTP Method** | GET |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/ V1/personalization/headerdetails/{DatabaseType}/{HeaderType}](http://www.datairis.co/%20V1/personalization/headerdetails/%7BDatabaseType%7D/%7BHeaderType%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |
| databaseType | URI | Yes | Database against which the action is being performed. |
| HeaderType | URI | Yes | HeaderType |

 |
| **Request** | [http://www.datairis.co/V1/personalization/headerdetails/business/SearchResultHeader](http://www.datairis.co/V1/%20personalization/headerdetails/business/SearchResultHeader) |
| **Response** | {"Response":{"responseDetails":{"HeaderDetail":{"id":"SearchResultHeader","headerField":[{"isVisible":"true","isHiddenField":"false","displayOrderID":"0","fieldSeparator":"None","fieldReferences":{"fieldReference":[{"id":"Id"}]},"displayName":"id"},{"isVisible":"true","isHiddenField":"false","displayOrderID":"1","fieldSeparator":"None","fieldReferences":{"fieldReference":[{"id":"Company\_Name"}]},"displayName":"Business Name"},{"isVisible":"true","isHiddenField":"false","displayOrderID":"2","fieldSeparator":"Space","fieldReferences":{"fieldReference":[{"id":"First\_Name"},{"id":"Last\_Name"}]},"displayName":"Name"},{"isVisible":"true","isHiddenField":"false","displayOrderID":"3","fieldSeparator":"None","fieldReferences":{"fieldReference":[{"id":"Physical\_Address"}]},"displayName":"Address"},{"isVisible":"true","isHiddenField":"false","displayOrderID":"4","fieldSeparator":"Comma","fieldReferences":{"fieldReference":[{"id":"Physical\_City"},{"id":"Physical\_State"}]},"displayName":"City, State"},{"isVisible":"true","isHiddenField":"false","displayOrderID":"5","fieldSeparator":"None","fieldReferences":{"fieldReference":[{"id":"Phone"}]},"displayName":"Phone"},{"isVisible":"true","isHiddenField":"false","displayOrderID":"6","fieldSeparator":"None","fieldReferences":{"fieldReference":[{"id":"Sales\_Volume"}]},"displayName":"Revenue / Yr"},{"isVisible":"true","isHiddenField":"true","displayOrderID":"1","fieldSeparator":"None","fieldReferences":{"fieldReference":[{"id":"Standardized\_Title"}]},"displayName":"Title"},{"isVisible":"true","isHiddenField":"true","displayOrderID":"2","fieldSeparator":"None","fieldReferences":{"fieldReference":[{"id":"Physical\_Zip"}]},"displayName":"ZIP"},{"isVisible":"true","isHiddenField":"true","displayOrderID":"3","fieldSeparator":"None","fieldReferences":{"fieldReference":[{"id":"Employees\_Total"}]},"displayName":"Employees"},{"isVisible":"true","isHiddenField":"true","displayOrderID":"4","fieldSeparator":"None","fieldReferences":{"fieldReference":[{"id":"Company\_Name\_2"}]},"displayName":"Legal Name"},{"isVisible":"true","isHiddenField":"true","displayOrderID":"5","fieldSeparator":"None","fieldReferences":{"fieldReference":[{"id":"Record\_Type"}]},"displayName":"Verified"}]}},"responseCode":"200","responseMessage":"Success"}} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get Theme Details Service Exception | Get Theme Details Service Exception |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| I-501 | Invalid Token | Invalid Token . Token has expired or invalid. |
| Q-506 | No API found for this context | No API found for this context., Contact API Provider. |
| A-505 | ACL - Restriction Error | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan |
| Q-505 | Access Quota Restriction. | Configured Usage Plan Access Quota Exceed.. |

 |

# 6. LookUp services

## 6.1 Refrence Lookup

|  |  |
| --- | --- |
| **API Name** | Reference Lookup |
| **Description** | Provides meta information of portlets. |
| **HTTP Method** | GET |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/lookup/metadata/{DatabaseType}](http://www.datairis.co/V1/lookup/metadata/%7BDatabaseType%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |
| databaseType | URI | Yes | Database against which the action is being performed. |
| Search | Query | Yes | Field name . |
| Field | Query | No | Specific field value . |

 |
| **Request** | <http://www.datairis.co/V1/lookup/metadata/business?Search=Physical_State&Field=California> |
| **Response** | {"Response":{"responseDetails":{"RefLookUpDetails":[{"database":"business","search":"physical\_state","displayValue":"California","value":"CA","field":"California","child":""}]},"responseCode":"200","responseMessage":"Success"}}} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get Theme Details Service Exception | Get Theme Details Service Exception |
| I-501 | Invalid Token | Invalid Token . Token has expired or invalid. |
| Q-506 | No API found for this context | No API found for this context., Contact API Provider. |
| A-505 | ACL - Restriction Error | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| Q-505 | Access Quota Restriction. | Configured Usage Plan Access Quota Exceed.. |

 |

## 6.2 Static Page Reference

|  |  |
| --- | --- |
| **API Name** | Static page reference |
| **Description** | Provides static page references for given application. |
| **HTTP Method** | GET |
| **Media Type** | application/jsonapplication/xml |
| **URI** | <http://www.datairis.co/V1/lookup/static/page/details> |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |

 |
| **Request** | [http://www.datairis.co/V1/lookup/static/page/details](http://www.datairis.co/V1/lookup/metadata/business?Search=Physical_State&Field=California) |
| **Response** | { "Response":{ "responseDetails":{ "StaticPageDetails":[ { "applicationName":"atoz", "pageKey":"dataquality", "pageURI":"http://www.atozdatabases.com/dataquality" } ] }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get Theme Details Service Exception | Get Theme Details Service Exception |
| I-501 | Invalid Token | Invalid Token . Token has expired or invalid. |
| Q-506 | No API found for this context | No API found for this context., Contact API Provider. |
| A-505 | ACL - Restriction Error | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| Q-505 | Access Quota Restriction. | Configured Usage Plan Access Quota Exceed.. |

 |

## 6.3 Geo Service Address LookUp

|  |  |
| --- | --- |
| **API Name** | Geo Service AddressLookUp |
| **Description** | Provides address details based on zipcode. |
| **HTTP Method** | GET |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/lookup/geo/address](http://www.datairis.co/V1/lookup/geo/address/) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |
| PartialAddress | Query | Yes | Part of Address. |
| Zipcode | Query | Yes | Valid Zipcode. |
| ServiceProvider | Query | Yes | ServiceProvider |

 |
| **Request** | [http://www.datairis.co/V1/lookup/geo/address/?PartialAddress=842 Peachtree St&Zipcode=36066&ServiceProvider=google](http://www.datairis.co/V1/lookup/metadata/business?Search=Physical_State&Field=California) |
| **Response** | { "Response":{ "responseDetails":{ "GeoServiceAddressLookup":{ "totalCount":1, "geoServiceProvider":"Google", "addressLookupDetails":[ { "formattedAddress":"842 Peachtree Street, Prattville, AL 36066, USA", "latitude":"32.45837490", "longitude":"-86.44843399999999", "quality":80 } ] } }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get Theme Details Service Exception | Get Theme Details Service Exception |
| I-501 | Invalid Token | Invalid Token . Token has expired or invalid. |
| Q-506 | No API found for this context | No API found for this context., Contact API Provider. |
| A-505 | ACL - Restriction Error | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| Q-505 | Access Quota Restriction. | Configured Usage Plan Access Quota Exceed.. |

 |

# Session Management

## 7.1 Add Session Details

|  |  |
| --- | --- |
| **API Name** | Add Session Details |
| **Description** | Store custom information in session with a unique key. |
| **HTTP Method** | PUT |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/session/add/{SessionKeyName}/{SessionKeyValue}](http://www.datairis.co/V1/session/add/%7BSessionKeyName%7D/%7BSessionKeyValue%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |
| SessionKeyName | URI | Yes | SessionKeyName |
| SessionKeyValue | URI | Yes | SessionKeyValue |

 |
| **Request** | [http://www.datairis.co/V1/session/add/testkey/testValue](http://www.datairis.co/V1/lookup/metadata/business?Search=Physical_State&Field=California) |
| **Response** | { "Response":{ "responseDetails":{ "Status : ":"testkey added" }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get Theme Details Service Exception | Get Theme Details Service Exception |
| I-501 | Invalid Token | Invalid Token . Token has expired or invalid. |
| Q-506 | No API found for this context | No API found for this context., Contact API Provider. |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| A-505 | ACL - Restriction Error | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan |
| Q-505 | Access Quota Restriction. | Configured Usage Plan Access Quota Exceed.. |

 |

## 7.2 Delete Session Details

|  |  |
| --- | --- |
| **API Name** | Delete Session Details |
| **Description** | Delete information from session with specific key.  |
| **HTTP Method** | DELETE |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/session/delete/{SessionKeyName}](http://www.datairis.co/V1/session/delete/%7BSessionKeyName%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |
| SessionKeyName | URI | Yes | SessionKeyName |

 |
| **Request** | [http://www.datairis.co/V1/session/delete/testkey](http://www.datairis.co/V1/lookup/metadata/business?Search=Physical_State&Field=California) |
| **Response** | { "Response":{ "responseDetails":{ "Status : ":"testkey deleted" }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get Theme Details Service Exception | Get Theme Details Service Exception |
| I-501 | Invalid Token | Invalid Token . Token has expired or invalid. |
| Q-506 | No API found for this context | No API found for this context., Contact API Provider. |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| A-505 | ACL - Restriction Error | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan |
| Q-505 | Access Quota Restriction. | Configured Usage Plan Access Quota Exceed.. |

 |

## 7.3 Delete All

|  |  |
| --- | --- |
| **API Name** | Delete All |
| **Description** | Delete all stored custom informations from session. |
| **HTTP Method** | DELETE |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/session/deleteAll](http://www.datairis.co/V1/session/delete/%7BSessionKeyName%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |

 |
| **Request** | [http://www.datairis.co/V1/session/deleteAll](http://www.datairis.co/V1/lookup/metadata/business?Search=Physical_State&Field=California) |
| **Response** | { "Response":{ "responseDetails":{ "Status : ":"All session keys are deleted" }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get Theme Details Service Exception | Get Theme Details Service Exception |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| I-501 | Invalid Token | Invalid Token . Token has expired or invalid. |
| Q-506 | No API found for this context | No API found for this context., Contact API Provider. |
| A-505 | ACL - Restriction Error | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan |
| Q-505 | Access Quota Restriction. | Configured Usage Plan Access Quota Exceed.. |

 |

## 7.4 Get Session Details

|  |  |
| --- | --- |
| **API Name** | Get Session Details |
| **Description** | Provides information , Stored in Session with specific key.  |
| **HTTP Method** | GET |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/session/get/{SessionKeyName}](http://www.datairis.co/V1/session/delete/%7BSessionKeyName%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |
| SessionKeyName | URI | Yes | SessionKeyName |

 |
| **Request** | [http://www.datairis.co/V1/session/get/testkey](http://www.datairis.co/V1/lookup/metadata/business?Search=Physical_State&Field=California) |
| **Response** | { "Response":{ "responseDetails":{ "value":"testValue" }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get Theme Details Service Exception | Get Theme Details Service Exception |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| I-501 | Invalid Token | Invalid Token . Token has expired or invalid. |
| Q-506 | No API found for this context | No API found for this context., Contact API Provider. |
| A-505 | ACL - Restriction Error | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan |
| Q-505 | Access Quota Restriction. | Configured Usage Plan Access Quota Exceed.. |

 |

## 7.5 Get All Session Details

|  |  |
| --- | --- |
| **API Name** | Get All Session Details |
| **Description** | Provides all the information’s stored in session. |
| **HTTP Method** | GET |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/session/getAll](http://www.datairis.co/V1/session/delete/%7BSessionKeyName%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |

 |
| **Request** | [http://www.datairis.co/V1/session/getAll](http://www.datairis.co/V1/lookup/metadata/business?Search=Physical_State&Field=California) |
| **Response** | { "Response":{ "responseDetails":{ "SessionDetails":{ "testkey":"testValue", "TestKey3":"value3", "TestKey2":"value2", "TestKey1":"value1" } }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get Theme Details Service Exception | Get Theme Details Service Exception |
| I-501 | Invalid Token | Invalid Token . Token has expired or invalid. |
| Q-506 | No API found for this context | No API found for this context., Contact API Provider. |
| A-505 | ACL - Restriction Error | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| Q-505 | Access Quota Restriction. | Configured Usage Plan Access Quota Exceed.. |

 |

## 7.6 Get All Session Keys

|  |  |
| --- | --- |
| **API Name** | Get All Session Keys |
| **Description** | Provides all keys from session. |
| **HTTP Method** | GET |
| **Media Type** | application/jsonapplication/xml |
| **URI** | [http://www.datairis.co/V1/session/getAllKeys](http://www.datairis.co/V1/session/delete/%7BSessionKeyName%7D) |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |

 |
| **Request** | [http://www.datairis.co/V1/session/getAllKeys](http://www.datairis.co/V1/lookup/metadata/business?Search=Physical_State&Field=California) |
| **Response** | {"Response":{ "responseDetails":{ "SessionKeys":[ "testkey", "TestKey3", "TestKey2", "TestKey1" ] }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get Theme Details Service Exception | Get Theme Details Service Exception |
| I-501 | Invalid Token | Invalid Token . Token has expired or invalid. |
| Q-506 | No API found for this context | No API found for this context., Contact API Provider. |
| A-505 | ACL - Restriction Error | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| Q-505 | Access Quota Restriction. | Configured Usage Plan Access Quota Exceed.. |

 |

## 7.7 Add All Session Details

|  |  |
| --- | --- |
| **API Name** | Add All Session Details |
| **Description** | Store multiple information’s in session simultaneously. |
| **HTTP Method** | PUT |
| **Media Type** | application/jsonapplication/xml |
| **URI** | <http://www.datairis.co/V1/session/addAll> |
| **Parameter List** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Parameter Type** | **Required** | **Description** |
| TokenID | Header | Yes | TokenID generated by authentication API. |
| Content-Type | Header | Yes | Session key value pair in json format. |

 |
| **Request** | [http://www.datairis.co/V1/session/addAll](http://www.datairis.co/V1/lookup/metadata/business?Search=Physical_State&Field=California) |
| **Response** | { "Response":{ "responseDetails":{ }, "responseCode":"200", "responseMessage":"Success" }} |
| **Response Codes** |

|  |  |  |
| --- | --- | --- |
| **Code** | **Response Message** | **Description** |
| 200  | Success | The request has succeeded. Resource(s) corresponding to the request are sent in the response. |
| 400  | Bad Request | The request could not be understood by the server due to malformed syntax. |
| 401  | Unauthorized | The request requires user authentication. |
| 404  | Source Not Found | The server has not found anything matching the Request-URI. |
| 406  | Not Acceptable | The resource identified by the request is only capable of generating response entities which have content characteristics not acceptable according to the accept Header sent in the request. |
| 415  | Unsupported Media Type | The server is refusing to service the request because the entity of the request is in a format not supported by the requested resource for the requested method. |
| 500 | Get Theme Details Service Exception | Get Theme Details Service Exception |
| I-501 | Invalid Token | Invalid Token . Token has expired or invalid. |
| Q-506 | No API found for this context | No API found for this context., Contact API Provider. |
| A-505 | ACL - Restriction Error | Invalid access to provided API resource. Subscription has expired or invalid. Please Check your Subscription Plan |
| A-506 | API Access Level - Restriction Error | Invalid access to provided API resource. Insufficient Access Privilege level. Please Check your Subscription Plan. |
| Q-505 | Access Quota Restriction. | Configured Usage Plan Access Quota Exceed.. |

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