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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/json  application/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/json  application/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 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 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/json  application/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 the  acceptHeader 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/json  application/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 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  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/json  application/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 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  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/json  application/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 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  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/json  application/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 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  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/json  application/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 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 | 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/json  application/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 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 | 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/json  application/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 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 | 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/json  application/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 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 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/json  application/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/json  application/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/json  application/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/json  application/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/json  application/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/json  application/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/json  application/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/json  application/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/json  application/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/json  application/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/json  application/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/json  application/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/json  application/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/json  application/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/json  application/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/json  application/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/json  application/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/json  application/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/json  application/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/json  application/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/json  application/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/json  application/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

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| --- | --- |
| **API Name** | Add All Session Details |
| **Description** | Store multiple information’s in session simultaneously. |
| **HTTP Method** | PUT |
| **Media Type** | application/json  application/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.. | |