**This module provide REST API (json) access to Odoo models.**

**Available Operations**

**Check the Version :**

Generate token for the users to access the models

***Example:***

***Methods: GET***

***Params:*** *localhost:8080/api*

**It will Return:**

**# If Version is available:**

{

"server\_version": "11.0",

"api\_version": 2,

"server\_serie": "11.0",

"server\_version\_info": [

11,

0,

0,

"final",

0,

""

]

}

**Login and Get Token :**

Generate token for the users to access the models

***Example:***

***Methods: POST***

***Params:*** *localhost:8080/api/login*

**It will Return:**

**# If Authentication Success:**

{

"message": "OK",

"data": {

"uid": 1,

"access\_token": "a60fcb69-2a63-4e68-8cc3-38bb908498eb"

},

"code": 200,

"status": "success"

}

**# If Authentication Failed:**

{

"message": "The authorization credentials provided for the request are invalid. Check the value of the Authorization HTTP request header.",

"code": 401,

"status": "error"

}

**Logout Token:**

It is mandatory to provider header to logout the token.

**Example:**

**Methods: GET**

**Params:** localhost:8080/api/logout

**Headers:**

**Key : Authorization**

**Value : Bearer a60fcb69-2a63-4e68-8cc3-38bb908498eb**

**It will Return:**

**#If logut is Success:**

{

"message": "You have been successfully logged out!",

"code": 200,

"status": "success"

}

**#If logut is Failed:**

{

"message": "The request failed because it contained an invalid value. The value could be a parameter value, a header value, or a property value.",

"code": 400,

"status": "error"

}

**Search Record:**

List records , it is mandatory to pass model name if id is passed with url then return a single record of a specific id found else check domain in post data , if domain is found then return matched records else return all the data with id and name field.

By default a search will return the ids and name of all records matching the condition, which may be a huge number.if offset and limit parameters are available to only retrieve a subset of all matched records.

**Example for Multi Record Search:**

**Methods: GET**

**Params:** *localhost:8080/api/search/hgp.sports*

**Headers:**

**Key : Authorization**

**Value : Bearer a60fcb69-2a63-4e68-8cc3-38bb908498eb**

**It will Return:**

**#If Multi Record Search is Success:**

{

"message": "OK",

"data": [

5,

4,

3,

2,

1

],

"code": 200,

"status": "success"

}

**#If Multi Record Search is Failed:**

{

"message": "*Sorry, you are not allowed to access this document.*",

"code": 403,

"status": "error"

}

***Example for Single Record Search:***

**Methods: GET**

***Params:*** *localhost:8080/api/search/hgp.sports/5*

***Headers:***

***Key* : Authorization**

**Value : Bearer a60fcb69-2a63-4e68-8cc3-38bb908498eb**

***It will return:***

***#If Single Record Search is Success:***

*{*

*"message": "OK",*

*"data": [*

*5*

*],*

*"code": 200,*

*"status": "success"*

*}*

***#If Single Record Search is Failed:***

{

"message": "*Sorry, you are not allowed to access this document.*",

"code": 403,

"status": "error"

**}**

***Example for Limited Record Access in Search:***

**Methods: GET**

***Params:*** *localhost:8080/api/search/hgp.sports?limit=2*

***Headers:***

***Key* : Authorization**

**Value : Bearer a60fcb69-2a63-4e68-8cc3-38bb908498eb**

***It will return:***

***#If Limited Record Access is Success in Search:***

*{*

*"status": "success",*

*"code": 200,*

*"message": "OK",*

*"data": [*

*5,*

*4*

*]*

*}*

***#If Limited Record Access is Failed in Search:***

{

"message": "*Sorry, you are not allowed to access this document.*",

"code": 403,

"status": "error"

**}**

***Example for Limited Record and Offset Record Access in Search:***

**Methods: GET**

***Params:*** *localhost:8080/api/search/hgp.sports?limit=2&offset=2*

***Headers:***

***Key* : Authorization**

**Value : Bearer a60fcb69-2a63-4e68-8cc3-38bb908498eb**

***It will return:***

***#If Limited Record and Offset Record Access is Success in Search:***

*{*

*"status": "success",*

*"code": 200,*

*"message": "OK",*

*"data": [*

*3,*

*2*

*]*

*}*

***#If Limited Record and Offset Record Access is Failed in Search:***

{

"message": "*Sorry, you are not allowed to access this document.*",

"code": 403,

"status": "error"

**}**

***Example for Multi Record Search Read:***

***Methods: GET***

***Params:*** *localhost:8080/api/search\_read/hgp.sports*

***Headers:***

***Key* : Authorization**

**Value : Bearer a60fcb69-2a63-4e68-8cc3-38bb908498eb**

***It will return:***

***#If Multi Record is Success in Search Read :***

*{*

*"status": "success",*

*"message": "OK",*

*"code": 200,*

*"data": [*

*{*

*"create\_date": "2018-07-24 10:06:47",*

*"write\_date": "2018-07-24 10:06:47",*

*"\_\_last\_update": "2018-07-24 10:06:47",*

*"display\_name": "Hockey",*

*"code": "HKY",*

*"create\_uid": [*

*1,*

*"Administrator"*

*],*

*"write\_uid": [*

*1,*

*"Administrator"*

*],*

*"name": "Hockey",*

*"sequence": 1,*

*"id": 5*

*},*

*{*

*"create\_date": "2018-07-24 10:06:47",*

*"write\_date": "2018-07-24 10:06:47",*

*"\_\_last\_update": "2018-07-24 10:06:47",*

*"display\_name": "Throwball",*

*"code": "TWB",*

*"create\_uid": [*

*1,*

*"Administrator"*

*],*

*"write\_uid": [*

*1,*

*"Administrator"*

*],*

*"name": "Throwball",*

*"sequence": 1,*

*"id": 4*

*},*

*{*

*"create\_date": "2018-07-24 10:06:47",*

*"write\_date": "2018-07-24 10:06:47",*

*"\_\_last\_update": "2018-07-24 10:06:47",*

*"display\_name": "Basketball",*

*"code": "BKB",*

*"create\_uid": [*

*1,*

*"Administrator"*

*],*

*"write\_uid": [*

*1,*

*"Administrator"*

*],*

*"name": "Basketball",*

*"sequence": 1,*

*"id": 3*

*},*

*{*

*"create\_date": "2018-07-24 10:06:47",*

*"write\_date": "2018-07-24 10:06:47",*

*"\_\_last\_update": "2018-07-24 10:06:47",*

*"display\_name": "Volleyball",*

*"code": "VYB",*

*"create\_uid": [*

*1,*

*"Administrator"*

*],*

*"write\_uid": [*

*1,*

*"Administrator"*

*],*

*"name": "Volleyball",*

*"sequence": 1,*

*"id": 2*

*},*

*{*

*"create\_date": "2018-07-24 10:06:47",*

*"write\_date": "2018-07-24 10:06:47",*

*"\_\_last\_update": "2018-07-24 10:06:47",*

*"display\_name": "Batminton",*

*"code": "BTN",*

*"create\_uid": [*

*1,*

*"Administrator"*

*],*

*"write\_uid": [*

*1,*

*"Administrator"*

*],*

*"name": "Batminton",*

*"sequence": 1,*

*"id": 1*

*}*

*]*

*}*

***#If Multi Record is Failed in Search Read :***

{

"message": "*Sorry, you are not allowed to access this document.*",

"code": 403,

"status": "error"

**}**

***Example for Multi Record Search Read Based on the fields:***

***Methods: GET***

***Params:*** *localhost:8080/api/search\_read/hgp.sports?fields=[‘id’,‘name’,‘code’]*

***Headers:***

***Key* : Authorization**

**Value : Bearer a60fcb69-2a63-4e68-8cc3-38bb908498eb**

***It will return:***

***#If Multi Record is Success in Search Read Based on the fileds:***

*{*

*"status": "success",*

*"message": "OK",*

*"code": 200,*

*"data": [*

*{*

*"name": "Hockey",*

*"code": "HKY",*

*"id": 5*

*},*

*{*

*"name": "Throwball",*

*"code": "TWB",*

*"id": 4*

*},*

*{*

*"name": "Basketball",*

*"code": "BKB",*

*"id": 3*

*},*

*{*

*"name": "Volleyball",*

*"code": "VYB",*

*"id": 2*

*},*

*{*

*"name": "Batminton",*

*"code": "BTN",*

*"id": 1*

*}*

*]*

*}*

***#If Multi Record is Failed in Search Read Based on the fields:***

{

"message": "*Sorry, you are not allowed to access this document.*",

"code": 403,

"status": "error"

**}**

***Example for Single Record Search Read:***

***Methods: GET***

***Params:*** *localhost:8080/api/search\_read/hgp.sports/1*

***Headers:***

***Key* : Authorization**

**Value : Bearer a60fcb69-2a63-4e68-8cc3-38bb908498eb**

***It will return:***

***#If Single Record is Success in Search Read :***

*{*

*"status": "success",*

*"message": "OK",*

*"code": 200,*

*"data": [*

*{*

*"create\_date": "2018-07-24 10:06:47",*

*"write\_date": "2018-07-24 10:06:47",*

*"\_\_last\_update": "2018-07-24 10:06:47",*

*"display\_name": "Batminton",*

*"code": "BTN",*

*"create\_uid": [*

*1,*

*"Administrator"*

*],*

*"write\_uid": [*

*1,*

*"Administrator"*

*],*

*"name": "Batminton",*

*"sequence": 1,*

*"id": 1*

*}*

*]*

*}*

***#If Single Record is Failed in Search Read :***

{

"message": "*Sorry, you are not allowed to access this document.*",

"code": 403,

"status": "error"

**}**

***Example for Single Record Search Read Based on the fields:***

***Methods: GET***

***Params:*** *localhost:8080/api/search\_read/hgp.sports/1?fields=[‘id’,‘name’,‘code’]*

***Headers:***

***Key* : Authorization**

**Value : Bearer a60fcb69-2a63-4e68-8cc3-38bb908498eb**

***It will return:***

***#If Single Record is Success in Search Read Based on the fields:***

*{*

*"status": "success",*

*"message": "OK",*

*"code": 200,*

*"data": [*

*{*

*"name": "Hockey",*

*"code": "HKY",*

*"id": 5*

*}*

*]*

*}*

***#If Single Record is Failed in Search Read Based on the fields:***

{

"message": "*Sorry, you are not allowed to access this document.*",

"code": 403,

"status": "error"

**}**

***Example for Limited Record Access in Search Read:***

***Methods: GET***

***Params:*** *localhost:8080/api/search\_read/hgp.sports?limit=2&fields=[‘id’,‘name’,‘code’]*

***Headers:***

***Key* : Authorization**

**Value : Bearer a60fcb69-2a63-4e68-8cc3-38bb908498eb**

***It will return:***

***#If Limited Record Access is Success in Search Read:***

*{*

*"status": "success",*

*"message": "OK",*

*"code": 200,*

*"data": [*

*{*

*"name": "Hockey",*

*"code": "HKY",*

*"id": 5*

*},*

*{*

*"name": "Throwball",*

*"code": "TWB",*

*"id": 4*

*}*

*]*

*}*

***#If Limited Record Access is Failed in Search Read:***

{

"message": "*Sorry, you are not allowed to access this document.*",

"code": 403,

"status": "error"

**}**

***Example for Limited Record and Offset Record Access in Search Read:***

***Methods: GET***

***Params:*** *localhost:8080/api/search\_read/hgp.sports? limit=2&offset=2&fields=[‘id’,‘name’,‘code’]*

***Headers:***

***Key* : Authorization**

**Value : Bearer a60fcb69-2a63-4e68-8cc3-38bb908498eb**

***It will return:***

***#If Limited Record and Offset Record Access is Success in Search Read :***

*{*

*"status": "success",*

*"message": "OK",*

*"code": 200,*

*"data": [*

*{*

*"name": "Basketball",*

*"code": "BKB",*

*"id": 3*

*},*

*{*

*"name": "Volleyball",*

*"code": "VYB",*

*"id": 2*

*}*

*]*

*}*

***#If Limited Record and Offset Record Access is Failed in Search Read :***

{

"message": "*Sorry, you are not allowed to access this document.*",

"code": 403,

"status": "error"

**}**

***Example for Limited Record and Offset Record Access in Search Read Count:***

***Methods: GET***

***Params:*** *localhost:8080/api/search\_read/hgp.sports? limit=2&offset=2&fields=[‘id’,‘name’,‘code’]*

***Headers:***

***Key* : Authorization**

**Value : Bearer a60fcb69-2a63-4e68-8cc3-38bb908498eb**

***It will return:***

***#If Limited Record and Offset Record Access is Success in Search Read Count:***

*{*

*"status": "success",*

*"message": "OK",*

*"code": 200,*

*"data": [*

*{*

*"name": "Basketball",*

*"code": "BKB",*

*"id": 3*

*},*

*{*

*"name": "Volleyball",*

*"code": "VYB",*

*"id": 2*

*}*

*]*

*}*

***#If Limited Record and Offset Record Access is Failed in Search Read Count:***

{

"message": "*Sorry, you are not allowed to access this document.*",

"code": 403,

"status": "error"

**}**

***Example for Create a Record:***

***Methods: POST***

***Params:*** *localhost:8080/api/create/res.partner?values={‘name’:‘Queen’}*

***Headers:***

***Key* : Authorization**

**Value : Bearer a60fcb69-2a63-4e68-8cc3-38bb908498eb**

***It will return:***

***#If Record is Created:***

*{*

*"code": 303,*

*"data": {*

*"id": 3*

*},*

*"message": "Your request was processed successfully.",*

*"status": "success"*

*}*

***#If Record is not Created:***

{

"status": "error",

"message": "The API request is missing required information. The required information could be a parameter or resource property.",

"code": 400

}

***#If any of the value is missed:***

{

"status": "error",

"message": "The request failed because it contained an invalid value. The value could be a parameter value, a header value, or a property value.",

"code": 400

}

***Example for Update a Record:***

***Methods: PUT***

***Params:*** *localhost:8080/api/write/res.partner?ids=[2,3]&values={‘name’:‘Queen’}*

***Headers:***

***Key* : Authorization**

**Value : Bearer a60fcb69-2a63-4e68-8cc3-38bb908498eb**

***It will return:***

***#If Record is Updated:***

*{*

*"status": "success",*

*"message": "Your request was processed successfully.",*

*"code": 303,*

*"data": true*

*}*

***#If Record is Not Available:***

{

"status": "error",

"message": "The requested operation failed because a resource associated with the request could not be found.",

"code": 404

}

***#If any of the value is missed:***

{

"status": "error",

"message": "The API request is missing required information. The required information could be a parameter or resource property.",

"code": 400 }

***Example for Delete a Record:***

***Methods: DELETE***

***Params:*** *localhost:8080/api/unlink/res.partner?ids=[2,3]*

***Headers:***

***Key* : Authorization**

**Value : Bearer a60fcb69-2a63-4e68-8cc3-38bb908498eb**

***It will return:***

***#If Record is Deleted Successfully:***

*{*

*"data": true,*

*"code": 303,*

*"status": "success",*

*"message": "Your request was processed successfully."*

*}*

***#If Record is Not Available:***

{

"code": 404,

"status": "error",

"message": "The requested operation failed because a resource associated with the request could not be found."

}

***#If any of the value is missed:***

{

"code": 404,

"status": "error",

"message": "The requested operation failed because a resource associated with the request could not be found." }

***#If Id is reffered in some other table:***

{

"code": 410,

"status": "error",

"message": *'*The request failed because the resource associated with the request has not been deleted.'

}

***Example for Custom Method:***

***Methods: GET***

***Params:*** *localhost:8080/api/call/hrg.occupation/get\_occupation\_salary? args=[‘Sum’,‘95’,‘80’]*

***Headers:***

***Key* : Authorization**

**Value : Bearer a60fcb69-2a63-4e68-8cc3-38bb908498eb**

***It will return:***

***#If Custom Method is called Successfully:***

*{*

*"status": "success",*

*"message": "Your request was processed successfully.",*

*"code": 303,*

*"data": null*

*}*

***#If Custom Method is not called:***

{

"status": "error",

"message": "The API request is missing required information. The required information could be a parameter or resource property.",

"code": 400

}

***#If Custom Method is missed any of the value:***

{

"status": "error",

"message": "The API request is missing required information. The required information could be a parameter or resource property.",

"code": 400}

***Example for Report:***

***Methods: GET***

***Params:*** *localhost:8080/api/call/hrg.occupation/get\_occupation\_salary? args=[‘Sum’,‘95’,‘80’]*

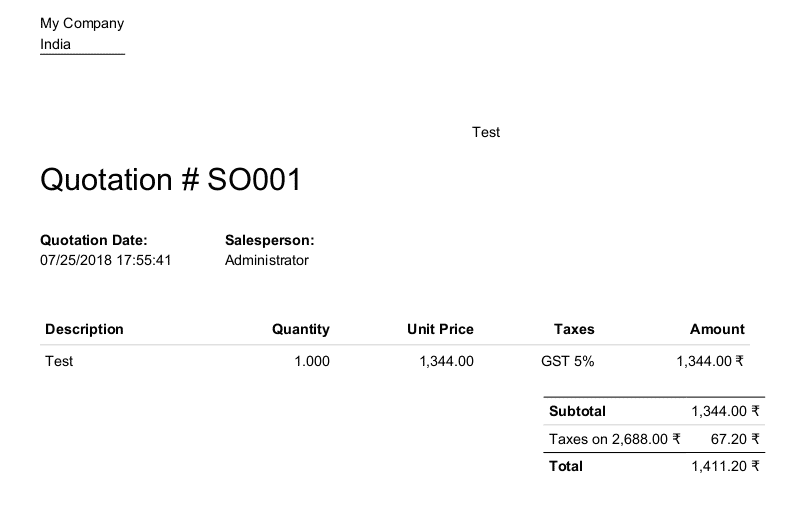
***Headers:***

***Key* : Authorization**

**Value : Bearer a60fcb69-2a63-4e68-8cc3-38bb908498eb**

***It will return:***

***#If PDF and HTML Report is generated Successfully:***



***#If Report is not generated:***

{

"code": 404,

"status": "error",

"message": "The requested operation failed because a resource associated with the request could not be found."

}

***#If Report missed any of the value:***

{

"code": 400,

"status": "error",

"message": "The API request is missing required information. The required information could be a parameter or resource property."}

***Example for Search Count:***

***Methods: GET***

***Params:*** *localhost:8080/api/search\_count/res.users*

***Headers:***

***Key* : Authorization**

**Value : Bearer a60fcb69-2a63-4e68-8cc3-38bb908498eb**

***It will return:***

***#If Search Count is Successfull:***

*{*

*"status": "success",*

*"message": "OK",*

*"code": 200,*

*"data": {*

*"count": 2*

*}*

*}*

***#If Search Count is failed:***

{

"status": "error",

"message": "The API request is missing required information. The required information could be a parameter or resource property.",

"code": 400

}

***#If Search Count Missed any values:***

{

"status": "error",

"message": "The API request is missing required information. The required information could be a parameter or resource property.",

"code": 400}