**Operational Insight**

REST Service Specifications v1.2

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**Abstract**

This document details the specifications of Operational Insight RESTful APIs, which are used by the Operational Insight web UI.

# Table of Contents

Table of Contents 2

1. Basic Authentication 11

Supplying Basic Authentication headers 11

Response 11

Errors 11

2. Projects: get list 12

Request 12

HTTP request 12

Request body 13

Response 13

Errors 14

3. Projects: Update 14

Request 14

HTTP request 14

Parameters 14

Request body 15

Response 15

Errors 15

4. Projects: get details 16

Request 16

HTTP request 16

Request body 16

Response 17

Errors 17

5. Projects: add 18

Request 18

HTTP request 18

Request body 18

Response 19

Errors 19

6. Projects : delete 20

Request 20

HTTP request 20

Parameters 20

Request body 20

Response 20

Errors 20

7. Users: get list 21

Request 21

HTTP request 21

Request body 22

Response 22

Errors 24

8. Users: get details 24

Request 24

HTTP request 24

Request body 25

Response 25

Errors 26

9. Users: update 26

Request 27

HTTP request 27

Request body 27

Response 27

Errors 27

10. Users: insert 28

Request 28

HTTP request 28

Parameters 28

Request body 28

Response 29

Errors 29

11. Users: delete 29

Request 29

HTTP request 29

Request body 30

Response 30

Errors 30

12. Skill: get list 30

Request 30

HTTP request 30

Request body 31

Response 31

Errors 34

13. Skills: Update 34

Request 34

HTTP request 34

Parameters 34

Request body 34

Response 35

Errors 35

14. Skills: get details 35

Request 35

HTTP request 35

Parameters 35

Request body 36

Response 36

Errors 36

15. Skills: add 37

Request 37

HTTP request 37

Request body 37

Response 37

Errors 37

16. Skills: delete 38

Request 38

HTTP request 38

Parameters 38

Request body 38

Response 38

Errors 39

17. Search: get list 39

Request 39

HTTP request 39

Request body 40

Response 40

Errors 41

18. Dropdown: get list 42

Request 42

HTTP request 42

Request body 42

Response 42

Errors 42

19. Newsfeeds: get list 43

Request 43

HTTP request 43

Request body 44

Response 44

Errors 45

20. Newsfeed: Update 45

Request 45

HTTP request 45

Parameters 45

Request body 46

Response 46

Errors 46

21. Newsfeed: get details 47

Request 47

HTTP request 47

Request body 47

Response 47

Errors 47

22. Newsfeed: add 48

Request 48

HTTP request 48

Request body 48

Response 48

Errors 48

23. Newsfeed: delete 49

Request 49

HTTP request 49

Parameters 49

Request body 49

Response 49

Errors 49

24. ProjectStatus: get details 50

Request 50

HTTP request 50

Request body 50

Response 50

Errors 50

25. ProjectStatus: add 51

Request 51

HTTP request 51

Request body 51

Response 51

Errors 51

26. ProjectStatus: Update 52

Request 52

HTTP request 52

Parameters 52

Request body 53

Response 53

Errors 53

27. ProjectStatus: delete 53

Request 54

HTTP request 54

Parameters 54

Request body 54

Response 54

Errors 54

28. ProjectProcess: get details 55

Request 55

HTTP request 55

Request body 55

Response 55

Errors 55

29. ProjectProcess: add 56

Request 56

HTTP request 56

Request body 56

Response 56

Errors 56

30. ProjectProcess: Update 57

Request 57

HTTP request 57

Parameters 57

Request body 58

Response 58

Errors 58

31. ProjectProcess: delete 58

Request 59

HTTP request 59

Parameters 59

Request body 59

Response 59

Errors 59

32. ProjectGeo: get details 60

Request 60

HTTP request 60

Request body 60

Response 60

Errors 60

33. ProjectGeo: add 61

Request 61

HTTP request 61

Request body 61

Response 61

Errors 61

34. ProjectGeo: Update 62

Request 62

HTTP request 62

Parameters 62

Request body 62

Response 63

Errors 63

35. ProjectGeo: delete 63

Request 63

HTTP request 63

Parameters 64

Request body 64

Response 64

Errors 64

36. JobRoles: get details 65

Request 65

HTTP request 65

Request body 65

Response 65

Errors 65

37. JobRoles: add 66

Request 66

HTTP request 66

Request body 66

Response 66

Errors 66

38. JobRoles: Update 67

Request 67

HTTP request 67

Parameters 67

Request body 67

Response 67

Errors 68

39. JobRoles: delete 68

Request 68

HTTP request 68

Parameters 68

Request body 69

Response 69

Errors 69

40. Categories: get details 69

Request 69

HTTP request 69

Request body 70

Response 70

Errors 70

41. Categories: add 71

Request 71

HTTP request 71

Request body 71

Response 71

Errors 71

42. Categories: Update 72

Request 72

HTTP request 72

Parameters 72

Request body 72

Response 72

Errors 72

43. Categories: delete 73

Request 73

HTTP request 73

Parameters 73

Request body 73

Response 74

Errors 74

44. Categories: get list 74

Request 74

HTTP request 74

Request body 75

Response 75

Errors 75

# Basic Authentication

Resource Utilization allows REST clients to authenticate themselves with a user name and password using [basic authentication](http://en.wikipedia.org/wiki/Basic_access_authentication) .

POST /login

## Supplying Basic Authentication headers

You need construct and send basic auth headers together with your API call. To do this you need to perform the following steps:

* 1. Build a string of the form username:password
  2. Base64 encode the string
  3. Supply an "Authorization" header with content "Basic " followed by the encoded string. For example, the string "nghi:nghi" encodes to " bmdoaTpuZ2hp" in base64.

## Response

Below is the sample response body

{

"token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJoeWF5aUB1cy5pYm0uY29tIiwiZXhwIjoxNDM3Mzk5NDg 0NDM4fQ.UbPPML2FCAHnQou5JfN0xanMIRETjgz87id9LN0hkD4",

"user": {

"expires": 1437399484438,

"userName": "hyayi@us.ibm.com",

"fname": "Harish",

"lname": "Yayi",

"userRole": "Admin"

}

}

## Errors

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| Unauthorized (401) | Invalid credentials | This error is thrown if the user provides invalid credentials. |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| Forbidden (403) | Not authorized | This error message is thrown if the user does not have a record in the database and tries to access the application. |

Sample error response

{   
   "error\_code": 401  
   "message":"Invalid Credentials"     
}

# Projects: get list

Returns a list of projects that match the API request parameters.

## Request

### HTTP request

GET/rest/v1/projects?limit={limit}&offset={offset}&user={user}&parts=(name,status,totalpeople,totalhours)&sort=UTIL\_DESC&treemap={true/false}&range={range}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

#### Parameters

The table below lists the parameters that this query supports. All of the parameters listed are query parameters.

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Value | Required | Description |
| limit | unsigned integer | No | The limit parameter specifies the maximum number of items that should be returned in the result set. |
| offset | unsigned integer | No | The offset parameter specifies from which index value the items should be returned |
| user(optional) | string | No | The user parameter specifies a user ID for the resource(s) that are being retrieved. If a user ID is specified, the api returns all the project(s) where the specified user ID is a team member of the project. If not specified, api returns all the project(s) irrespective of the user ID. |
| parts(optional) | String | No | The **parts** parameter specifies a comma-separated list of one or more request resource properties that the API response will include.  If **parts** is omitted, API response includes name, status, totalhours, totalpeople. |
| sort(optional) | String | No | If the sort parameter is specified as “UTIL\_DESC”, then the API returns the projects in the descending order of the utilization. |
| treemap(optional) | Boolean | No | If the treemap parameter is set to true it only returns the projects whose total hours is atleast 5% greater than the project which has highest totalhours |
| range | String | No | The range parameter is not required(optional), but if not specified in the url, default is taken as ‘today’. Different types of ranges that are supported are ‘alltime’,’today’,’uptotoday’,’last30days’,’last90days’,’next30days’,’next90days’. When the range is specified the API response includes all the projects that fall in that range. For example, if the range is specified as ‘today’, it returns all the projects which are active today with the specified statuses. |

### Request body

Do not provide a request body when calling this method.

## Response

If successful, this method returns a response body with the following structure. Status code = 200.

Ex : /rest/v1/projects?limit=4&offset=0&parts=(name,status,totalpeople,totalhours)&status=(Active New Development,Active Ongoing Support,Lifecycle Management)&sort=”UTIL\_SORT”&range=next30days&treemap=true

{

"kind": "Resource#ProjectsList",

"pageInfo": {

"totalResults": 5,

"resultsPerPage": "4"

},

"items": [

{

"name": "Discover",

"status": "Active New Development",

"people\_count": 4,

"proj\_id": "558c249f279332f59d16b69a",

"total\_hours": 415

},

{

"name": "Engage Support",

"status": "Active Ongoing Support",

"people\_count": 5,

"proj\_id": "558da44ce4b0cfb129e126c9",

"total\_hours": 4215

},

{

"name": "Operational Insight",

"status": "Active New Development",

"people\_count": 3,

"proj\_id": "558da457e4b0cfb129e126ca",

"total\_hours": 3910

},

{

"name": "Big Blue Queue",

"status": "Active New Development",

"people\_count": 6,

"proj\_id": "558da442e4b0cfb129e126c8",

"total\_hours": 3319

}

]

}

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| unauthorized (401) | badtoken | Invalid token or missing |
| badrequest (400) | badrequest | This error is thrown if the limit, offset or parts parameter is not specified properly |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |

Sample error response

{   
   "error\_code": 400  
   "message":"Please specify the parts parameter properly"     
}

# Projects: Update

Update a project’s properties. Only Admin and User are authorized to do this.

## Request

### HTTP request

PUT rest/v1/projects/{projectId}

If only few attributes of the project document are provided, then only those attributes would be updated keeping the value of the other attributes same.

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Paramerer name | Value | Required | Description |
| projectId | string | Yes | The projectId parameter specifies project ID for the resource that is being updated. In a project resource, the projectID property specifies the project’s ID in Projects resource document. |

### Request body

Provide a project resource in the request body.

If you are submitting an update request, and your request does not specify a value for a property that already has a value, the property's existing value will be unchanged.

{

"name": "Big Blue Queue",

"description": "BBQ provides an intelligent routing and distribution system for workflow activities within IBM. Approval activities of BBQ adopters can be sent to a central queue and distributed to the approver via eMail, Web or Mobile channels to streamline and improve the efficiency of this workflow globally. ",

"IPT\_record": "IPT-000002119",

"status": "Active New Development",

"process": "Innovation",

"geo": "WW",

"project\_managers": [

"id": "mural@us.ibm.com"

],

"technical\_leads": [

{

"id": "nghi@us.ibm.com"

}

]

}

## Response

If successful, this method returns a request resource in the response body a [HTTP 204 status code](http://www.w3.org/Protocols/rfc2616/rfc2616-sec9.html#sec9.6) and include a [Location header](http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html#sec14.30) that points to the URL of the new resource. Status code = 204.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| notFound (404) | Project not found | The project ID identified by the request's projectId parameter cannot be found. |
| badrequest (400) | badrequest | This error is expected, if a invalid parameter is passed in the url. |
| Forbidden (403) | Not authorized | This error message is thrown if the user is trying to access a resource which he/she is not authorized |
| Unauthorized  (401) | badtoken | This error is expected when the token is invalid or missing. |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |

Sample error response

{   
   "error\_code": 403  
   "message":"Not authorized"     
}

# Projects: get details

Returns project details based on the project ID specified.

## Request

### HTTP request

GET rest/v1/projects/{projectId}&range={range}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’.

An optional date filter can be provided in the URL, if it is provided in the URL, then the API returns only the team members who are working on the project during that time period. If not provided, response includes all the team members.

### Request body

Do not provide a request body when calling this method.

#### Parameters

The table below lists the parameters that this query supports. All of the parameters listed are query parameters.

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Value | Required | Description |
| range | String | No | The range parameter is not required(optional), but if not specified in the url, default is taken as ‘today’. Different types of ranges that are supported are ‘alltime’,’today’,’uptotoday’,’last30days’,’last90days’,’next30days’,’next90days’. When the range is specified the API response includes only the team members who are working during that particular time period. |

## Response

If successful, this method returns details of the project in its response body. Below is the sample format of the response body. Status code = 200.

{

"kind": "Resource#ProjectDetails",

"item": {

"\_id": "558c249f279332f59d16b69a",

"name": "Big Blue Queue",

"description": "BBQ provides an intelligent routing and distribution system for workflow activities within IBM. Approval activities of BBQ adopters can be sent to a central queue and distributed to the approver via eMail, Web or Mobile channels to streamline and improve the efficiency of this workflow globally. ",

"IPT\_record": "IPT-000002119",

"status": "Active New Development",

"process": "Innovation",

"geo": "WW",

"technical\_leads": [

{

"lname": "YAYI",

"fname": "HARISH",

"cc": "us",

"notesid": "Harish Yayi/Raleigh/IBM",

"uid": "5G0975897",

"id": "hyayi@us.ibm.com",

"\_id": "5592aec89b8f8f3e593bcc62",

"email": "hyayi@us.ibm.com",

}

],

"project\_managers": [

{

"id": "nghi@us.ibm.com",

"uid": "4G6108897",

"notesid": "Nghi D Ho/Raleigh/IBM",

"cc": "us",

"fname": "Nghi D.",

"lname": "Ho",

"\_id": "5592aec89b8f8f3e593bcc78",

"email": "nghi@us.ibm.com",

}

],

"deliverable": {

"agreed": "2015-12-24T00:00:00.000Z",

"estimate": "2015-12-24T00:00:00.000Z"

},

"team": [

{

"id": "nghi@us.ibm.com",

"uid": "4G6108897",

"notesid": "Nghi D Ho/Raleigh/IBM",

"cc": "us",

"fname": "Nghi D.",

"lname": "Ho",

"\_id": "5592aec89b8f8f3e593bcc60",

"email": "nghi@us.ibm.com",

"utilization": "30"

},

{

"id": "hyayi@us.ibm.com",

"uid": "5G0975897",

"notesid": "Harish Yayi/Raleigh/IBM",

"cc": "us",

"fname": "HARISH",

"lname": "YAYI",

"\_id": "5592aec89b8f8f3e593bcc61",

"email": "hyayi@us.ibm.com",

"utilization": "25",

}

],

"people\_count": 2,

"total\_hours": 367

}

}

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| Error type | Error detail | Description |
| unauthorized (401) | badtoken | This error is expected when the token is invalid or missing. |
| notFound (404) | Project not found | The project with id projectId cannot be found. |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| badrequest (400) | badrequest | This error is expected, if a invalid parameter is passed in the url. |

Sample error response

{   
   "error\_code": 404  
   "message":"Project not found"     
}

# Projects: add

This api is for creating a new project in Resource Utilization. Only Admin and User are authorized to do this.

## Request

### HTTP request

POST rest/v1/projects

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Request body

Provide a request resource in the request body.

{

"name": "Big Blue Queue",

"description": "BBQ provides an intelligent routing and distribution system for workflow activities within IBM. Approval activities of BBQ adopters can be sent to a central queue and distributed to the approver via eMail, Web or Mobile channels to streamline and improve the efficiency of this workflow globally. ",

"IPT\_record": "IPT-000002119",

"status": "Active New Development",

"process": "Innovation",

"geo": "WW",

"technical\_leads": [

{

"id": "nghi@us.ibm.com"

}

],

"project\_managers": [

{

"id": "nghi@us.ibm.com"

}

],

"deliverable": {

"estimate":"2015-12-24",

"agreed": "2015-12-24"

},

"team": [

{

"id": "nghi@us.ibm.com",

"job\_role": "Tech Lead"

},

{

"id": "mural@us.ibm.com",

"job\_role": "Project Manager"

},

{

"id": “[hyayi@us.ibm.com](mailto:hyayi@us.ibm.com)”,

"job\_role": "Developer"

},

{

"id": "lixu@us.ibm.com",

"job\_role": "Developer"

},

{

"id": "brownsm@us.ibm.com",

"job\_role": "Developer"

}

]

}

## Response

If successful, this method returns a request resource in the response body a [HTTP 201 status code](http://www.w3.org/Protocols/rfc2616/rfc2616-sec9.html#sec9.5) and include a [Location header](http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html#sec14.30) that points to the URL of the new resource. Status code = 201.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| Error type | Error detail | Description |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| forbidden (403) | Not Authorized | The request is not properly authorized. |
| unauthorized (401) | badtoken | This error is expected when the token is invalid or missing. |
| badrequest (400) | badrequest | This error is expected, if a invalid |

Sample error response

{   
   "error\_code": 400  
   "message":"Email id provided is invalid"     
}

# Projects : delete

Deletes a project. Only admin is authorized to delete the project. Only Admin is authorized to do this.

## Request

### HTTP request

DELETE /rest/v1/admin/projects/{projectId}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Parameters

The table below lists the parameters that this query supports. All of the parameters listed are query parameters.

|  |  |  |  |
| --- | --- | --- | --- |
| Paramerer name | Value | Required | Description |
| projectId | string | Yes | The projectId parameter specifies project ID for the resource that is being deleted. In a project resource, the projectID property specifies the project’s ID in Projects resource document. |

### Request body

Do not provide a request body when calling this method.

## Response

If successful, this method does not return anything in the response body. Status code = 204.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| notFound (404) | Project not found | The project ID identified by the request's projectId parameter cannot be found. |
| forbidden (403) | Not Authorized | The request is not properly authorized. |
| Unauthorized (401) | badtoken | This error is expected when the token is invalid or missing. |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |

Sample error response

{   
   "error\_code": 404  
   "message":"Project not found"     
}

# Users: get list

Returns a list of users that match the API request parameters. Everyone has privilege to make this call.

## Request

### HTTP request

GET /rest/v1/users/?skill={skill\_id}&onVacation={Boolean}&role={role} &limit={limit}&offset={offset}

#### Parameters

The table below lists the parameters that this query supports. All of the parameters listed are query parameters.

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Value | Required | Description |
| skill | string | No | The skill parameter specifies the skill for the user(s) that are being retrieved. In a user resource, the skill property specifies any skill that the user may have. If skill is not provided, the user(s) returned will not be filtered by skill. If skill={skill\_id} is present, the response is identical to the default however ***only the requested skill is present in the response*** (rather than all skills each user knows) |
| onVacation | boolean | No | The onVacation parameter is a flag that specifies whether the client wishes to only see the upcoming vacations (rather than the entire user doc). The only recognized value for onVacation is ‘true’ – all other values will be ignored. Note that onVacation takes precedence over skill and category. |
| role | string | No | The role parameter specifies whether you wish to only have users with a specific role returned to you. The options are “User”, “Viewer”, or “Admin” |
| limit | unsigned integer | no | The limit parameter specifies the maximum number of user(s) that should be returned in the result set. The default value is 10. The limit parameter is only implemented when onVacations is set to true. |
| offset | unsigned integer | No | The offset parameter specifies the amount of resource(s) to be skipped in the result set. The default value is 0. The offset parameter is only implemented when onVacations is set to true. |

### Request body

Do not provide a request body when calling this method.

## Response

If successful, this method returns a response body with the following structures (status code 200). Note that the response varies depending on which parameters are specified.

Case 1: default, display all users. This will display all users who have a role of either ‘User’ or ‘Admin’. Additionally, the output is formatted such that managers will be displayed before users. Then, the non-managers will be sorted alphabetically by last name.

{

"kind": "resource#userListResponse",

"pageInfo": {

"totalResults": integer,

},

"items": [

{

"\_id": "brownsm@us.ibm.com",

“\_rev”: asdhj2398dhwdskjfh2“”,

"status": "Active",

"job\_title": "Intern",

“isManager” : “False”,

"employee\_type": "Regular",

"email": "brownsm@us.ibm.com",

"lname": "Brown",

"fname": "Micah S.",

"cc": "US",

"notesid": "Micah S Brown/Raleigh/IBM",

"uid": "4G9643897",

"dob": "754148082",

“phone\_number”: “6501231234”,

"num\_projects": 3,

"skills": [

{

“id” : “663afb3d587353451e0c643”

"name": "JavaScript",

"category": "Web",

"proficiency": [

{“rating”:4,

“date”: 1448372082

}

]

}

],

"vacations": [

{

"start\_date": "1235671235",

"end\_date": "12357612365",

"location": "US",

"justification": "Need to refresh myself.",

"\_id": "558afb3d5877117751e0c636"

}

],

"role":"Admin"

},

{user 2},

{user 3),

{user …}

]

}

Case 2: If the onVacation flag is set to true, then the response is somewhat altered. Here is an example of the response for vacations (status code 200):

{

"kind": "resource#userListResponse",

"pageInfo": {

"totalResults": 2,

“resultsPerPage”: 2

},

"items": [

{

“\_id: “mcmohorn@us.ibm.com”

"fname": "Matthew",

“lname” : “Mohorn”

"vacations": [

{

"start\_date": "1235671235",

"end\_date": "1235671235",

"location": "Canada",

“justification”: “Need to refresh myself”,

“contact\_info”: “mcmohorn@us.ibm.com”

},

{

"start\_date": "1235671235",

"end\_date": "1235671235",

"location": "UK"

“justification”: “Need to refresh myself, again!”,

“contact\_info”: “mcmohorn@us.ibm.com”

}

]

},

{

"name": "Micah S. Brown",

"vacations": [

{

"start\_date": "1235671235",

"end\_date": "1235671235",

"location": "US",

“justification”: “Need to refresh mysel!”,f

“contact\_info”: “brownsm@us.ibm.com”

}

]

}

]

}

Case 3: if skill is present as a query parameter, the response is altered. Only the relevant fields are returned (basic user info and skills). For skills, only the skill requested is displayed and only the most recent proficiency rating is included. Here is an example of the response (status code 200):

{

"kind": "resource#userListResponse",

"pageInfo": {

"totalResults": 2

},

"items": [

{

"\_id": "kccarr@us.ibm.com",

"fname": "KEVIN C.",

"lname": "CARR",

"email": "kccarr@us.ibm.com",

"role": "User",

"job\_title": "Fulfillment Professional",

"cc": "us",

"skills": {

"id": "559d42ba389d33fc7c30d842",

"name": "AngularJS",

"category\_id": "foo",

"proficiency": [

{

"rating": 3,

"date": "1235671235"

}

]

}

},

{

"\_id": "brownsm@us.ibm.com",

"fname": "Micah S.",

"lname": "Brown",

"role": "Admin",

"job\_title": "Software Engineer Intern",

"cc": "us",

"skills": {

"name": "AngularJS",

"id": "559d42ba389d33fc7c30d842",

"category\_id": "559d3aade4b041ee764b2f78",

"proficiency": [

{

"rating": 4,

"date": "1235671235"

}

]

}

}

]

}

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| badrequest (400) | badRequest | Parameters are in an incorrect format (i.e. limit is a string rather than an integer). |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition that prevented it from fulfilling the request. |

Sample error response

{   
   "error\_code":400,  
   "message":"limit must be a valid number, greater than 0."  
}

# Users: get details

Returns an individual user that matches the API request parameters. Everyone has privilege to make this call.

## Request

### HTTP request

GET /rest/v1/users/{id}

#### Parameters

The table below lists the parameters that this query supports. All of the parameters listed are query parameters.

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Value | Required | Description |
| id | string | yes | The id parameter specifies the id of the user you with to retrieve. The id is in the format of the user’s email address. It is caps insensitive (i.e. it treats lowercase and capital letters the same). |

### Request body

Do not provide a request body when calling this method.

## Response

If successful, this method returns a response body with the following structure (status code 200):

{

"kind": "resource#userResponse",

"pageInfo": {

"totalResults": 1

},

"item": {

"\_id": "mfflemmi@us.ibm.com",

"\_rev": "100-b662cfed533f634b5166bd3b460527fd",

"uid": "4G8715897",

"notesid": "Michelle F Flemming/Raleigh/IBM",

"employee\_type": "P",

"cc": "us",

"fname": "MICHELLE F.",

"lname": "FLEMMING",

"email": "mfflemmi@us.ibm.com",

"cname": "MICHELLE F. FLEMMING",

"job\_title": "Designer",

"status": "Active",

"role": "User",

"isManager": "False",

"vacations": [

{

"start\_date": "1439409330",

"end\_date": "1439409330",

"location": "US",

"justification": "Need to refresh myself."

}

],

"skills": [

{

"id": "559d41bd5a0b5bcf7c94b363",

"name": "Node.JS",

"category\_id": "559d41bd5a0b5bcf7c94b363",

"proficiency": [

{“rating”:4, “date”: 1439409330}

]

},

{

"id": "559d42ba389d33fc7c30d842",

"name": "AngularJS",

"category\_id": "559d41bd5a0b5bcf7c94b363",

"proficiency": [

{“rating”:4, “date”: 1439409330}

]

}

],

"num\_projects": 2,

"dob": "1439409330",

"projects": [

{

"name": "Engage Support",

"status": "Active New Development",

"proj\_id": "558da3ebe4b0cfb129e126b5",

"utilization": [

{

"start\_date": "1439409330",

"end\_date": "1439409330",

"percentage": 100

},

{

"start\_date": "1439409330",

"end\_date": "1439409330",

"percentage": 40,

}

]

},

{

"name": "Operational Dashboard",

"status": "Active New Development",

"proj\_id": "558da434e4b0cfb129e126c6",

"utilization": [

{

"start\_date": "1439409330",

"end\_date": "1439409330",

"percentage": 60

}

]

}

]

}

}

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| notFound (404) | userNotFound | The user ID identified by the id parameter cannot be found. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition that prevented it from fulfilling the request. |

Sample error response

{   
   "error\_code":404,

   "message":"userNotFound: No user with that id could be found.”  
}

# Users: update

Update a user’s properties. Only the fields in the request body will be updated. Those fields will be completely overwritten by what is present in the request body. Admins may update any user. An individual user may update his/her self. If skills are updated, then this call will update the people\_count for each skill in the skills table.

## Request

### HTTP request

PUT rest/v1/users/{id}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Request body

Provide a request resource in the request body. For that resource:

You must specify a value for the properties you wish to update. The values that you indicate in the request body will overwrite the current values in the user document indicated by id in the query parameter.

* id: the ID of the request in the adopting application.

If you are submitting an update request, and your request does not specify a value for a property that already has a value, the property's existing value will be unchanged. Note that if you want to update “skills” or “projects”, only those fields will be updated.

{

"employee\_type" : "Manager",

“vacations”: [{

"start\_date": "1439409330",

        "end\_date": "1439409330",

        "location": "US",

        "justification": "Need to refresh myself.",

“contact\_info”: “brownsm@us.ibm.com”

      }]  
}

## Response

No response is returned. Status code = 204.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| badRequest (400) | validationError | There is an error in the validation of the User model. Required values are not present in the update. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| forbidden (403) | authorizationRequired | The request is not properly authorized. |
| notFound (404) | userNotFound | The request ID identified by the request's id parameter cannot be found. |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition that prevented it from fulfilling the request. |

# Users: insert

Add a user to the database. Everyone has privilege to make this call. If skills are included in the body, then people\_count is updated for each skill in the skills collection.

## Request

### HTTP request

POST rest/v1/users/

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Parameters

There are no query parameters. See the Request body section for requirements in the body.

### Request body

The request body contains the information about the user you are adding. Many fields are populated through an LDAP connection to BluePages, based on the user id provided. The fields that are ***required*** are:

* “\_id” (this should be the user’s email IBM email address)
* “employee\_type”
* “job\_role”
* “status”
* “role”

If the optional “vacations” (array) field is present, then “start\_date”, “end\_date”, “location”, justification”, and “contact\_info” are all required for each object in the array.

If the optional “skills” (array) field present, then “id”, “name”, “category”, and “rating” are all required for each object in the array.

If the optional “projects” (array) field is present, the “id”, “name”, “status”, “utilization” (array), utilization:”start\_date”, utilization:”end\_date”, utilization:”percentage” are all required for each object in the array.

Here is an example request body:

{

  "\_id" : "brownsm@us.ibm.com",

  "dob": "1990-09-24",

  "employee\_type": "Regular",

  "job\_role": "Intern",

“isManager”: “No”,

  "status": "Active",

  "role":"User",

  "vacations": [],

  "skills": []

}

## Response

If successful, this method returns an HTTP 201 response code. The location header is set to the URL of the newly created user.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| Error type | Error detail | Description |
| badrequest (400) | badRequest | A user already exists in database with that id. |
| Unauthorized (401) | BadToken | Token is missing or invalid. |
| notFound (404) | requestNotFound | The user with id eventID can not be found in BluePages. |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition that prevented it from fulfilling the request. |

# Users: delete

Delete a user. Only an Admin has privilege to delete a user. If the user that is being deleted has skills, then this call also updates the people\_count for each skill in the skills collection.

## Request

### HTTP request

DELETE rest/v1/users/{id}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

#### Parameters

The table below lists the parameters that this query supports.

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Value | Required | Description |
| id | string | yes | The id parameter specifies the id of the user you with to delete. The id is in the format of the user’s email address. It is caps insensitive (i.e. it treats lowercase and capital letters the same). |

### Request body

Do not provide a request body when calling this method.

## Response

No response is returned. Status code = 204.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| forbidden (403) | authorizationRequired | The request is not properly authorized (only admin may delete a user profile). |
| notFound (404) | requestNotFound | The request ID identified by the request's id parameter cannot be found. |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition that prevented it from fulfilling the request. |

# Skill: get list

Returns a list of skills that match the API request parameters.

## Request

### HTTP request

GET /rest/v1/skills?limit={limit}&offset={offset}&category={category}&parts=({parts})

Or

GET /rest/v1/skills?view=list

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

#### Parameters

The table below lists the parameters that this query supports. All of the parameters listed are query parameters.

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Value | Required | Description |
| limit | unsigned integer | No | The limit parameter specifies the maximum number of items that should be returned in the result set. |
| offset | unsigned integer | No | The offset parameter specifies from which index value the items should be returned |
| category(optional) | string | No | The category parameter specifies a category ID for the resource(s) that are being retrieved.If a category ID is specified, the api returns all the skills(s) where the skills belong to specified category ID. If not specified, api returns all the skills(s) irrespective of the category ID. |
| parts | string | No | The **parts** parameter specifies a comma-separated list of one or more request resource properties that the API response will include.  If **parts** is omitted, API response includes all the properties of the resource document. |
| view | string | No | If the view parameter is specified as “list”, the API response contains all the categories, the skills that fall in each category and people who know each skill. |
| manager | string | No | If this parameter is specified, the response will contain all documents which is owned by the manager parameter. This parameter will be defaulted to “all” if not specified in the URL. |

### Request body

Do not provide a request body when calling this method.

## Response

If successful, this method returns a response body with the following structure. Status code = 200.

**Case 1** : If view parameter is not specified in the url

/rest/v1/skills?manager=all

{

"kind": "Resource#SkillsList",

"items": [

{

"\_id": "0b95e098d9586aeab0dbe2d7f2594ecc",

"name": "Leadership",

"category": "Project Management",

"category\_id": "0b95e098d9586aeab0dbe2d7f222a815"

},

{

"\_id": "0eda638033baf10da8f8cfbd0910fbe4",

"name": "DB2",

"category": "Databases",

"category\_id": "62ce0e30c99b64abf461cd77bf764a45"

},

…

{

"\_id": "bf5530987cbcb05ccb10af4029541e11",

"name": "J2EE",

"category": "Back-end Development",

"category\_id": "e2b6195229dc79dad1423792a41363ca"

}

]

}

**Case 2** : If view parameter is specified in the url

/rest/v1/skills?view=list

## {

## "kind": "Resource#SkillsList",

## "items": {

## "0b95e098d9586aeab0dbe2d7f222a815": {

## "name": "Project Management",

## "skills": {

## "0b95e098d9586aeab0dbe2d7f24f6798": {

## "name": "Business Process",

## "description": "Have knowledge of Business Processes",

## "trending": false,

## "count": 25

## },

## "0b95e098d9586aeab0dbe2d7f2532cd9": {

## "name": "Adaptability",

## "description": "Adaptability",

## "trending": false,

## "count": 28

## },

…

,

"e969a12fcd80f2d6c67c3c454bb7b962": {

"name": "JPA",

"description": "The Java Persistence API (JPA) is a Java specification for accessing, persisting, and managing data between Java objects / classes and a relational database. JPA was defined as part of the EJB 3.0 specification as a replacement for the EJB 2 CMP Entity Beans specification.",

"trending": false,

"count": 7

}

},

"total\_count": 54

}

}

}

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| badrequest (400) | badrequest | This error is expected, if a invalid parameter is passed in the url. |
| Unauthorized (401) | BadToken | Token is missing or invalid |

# Skills: Update

Update a skill’s properties.

## Request

### HTTP request

PUT rest/v1/admin/skills/{skillId}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Paramerer name | Value | Required | Description |
| skillId | string | Yes | The skillId parameter specifies skill ID for the resource that is being updated. In a Skill resource, the skillId property specifies the skill’s ID in Skills resource document. |

### Request body

Provide a skill resource in the request body.

If you are submitting an update request, and your request does not specify a value for a property that already has a value, the property's existing value will be unchanged.

{

    "name" : "Java",

    "description" : "Java is a general purpose computer programming language that is concurrent, class-based, object-oriented, and specifically designed to have as few implementation dependencies as possible. It is intended to let application developers write once, run anywhere (WORA), meaning that compiled Java code can run on all platforms that support Java without the need for recompilation.",

    "category\_id" : "559d3aade4b041ee764b2f78"

}

## Response

If successful, this method returns a request resource in the response body a [HTTP 204 status code](http://www.w3.org/Protocols/rfc2616/rfc2616-sec9.html#sec9.6) and include a [Location header](http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html#sec14.30) that points to the URL of the new resource. Status code = 204.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| notFound (404) | Skill not found | The skill ID identified by the request's skillId parameter cannot be found. |
| Forbidden (403) | Not authorized | This error message is thrown if the user is trying to access a resource which he/she is not authorized |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| badrequest (400) | badrequest | This error is expected, if the JSON document supplied in the body does not have mandatory parameters. |

Sample error response

{   
   "error\_code": 403  
   "message":"Not authorized"     
}

# Skills: get details

Returns skill details based on the skill ID specified.

## Request

### HTTP request

GET rest/v1/skills/{skillId}?relatedSkills=true

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Paramerer name | Value | Required | Description |
| relatedSkills (optional) | string | No | If the relatedSkills parameter is set to true, the response body includes all the related skills of the skill ID specified in the request url. |

### Request body

Do not provide a request body when calling this method.

## Response

If successful, this method returns details of the skill in its response body. Below is the sample format of the response body. Status code = 200.

{

  "kind": "Resource#SkillDetails",

  "item": {

    "\_id": "559d481b389d33fc7c30d847",

    "name": "Java",

    "description": "Java is a general purpose  programming language that is concurrent, class-based, object-oriented, and specifically designed to have as few implementation dependencies as possible. It is intended to let application developers write once, run anywhere (WORA), meaning that compiled Java code can run on all platforms that support Java without the need for recompilation.",

    "category\_id": "559d3aade4b041ee764b2f78",

    "category": "Web Development",

    "people\_count": 3,

    "relatedSkills": [

      {

        "skill\_id": "559d42ba389d33fc7c30d842",

        "name": "AngularJS"

      },

      {

        "skill\_id": "559d41bd5a0b5bcf7c94b363",

        "name": "Node.JS"

      }

    ]

  }

}

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| Error type | Error detail | Description |
| notFound (404) | skill not found | The skill with id skillId cannot be found. |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| badrequest (400) | badrequest | This error is expected, if a invalid parameter is passed in the url. |

Sample error response

{   
   "error\_code": 404  
   "message":"skill not found"     
}

# Skills: add

This api is for creating a new skill.

## Request

### HTTP request

POST rest/v1/admin/skills

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Request body

Provide a request resource in the request body.

{

    "name" : "Java",

    "description" : "Java is a general-purpose computer programming language that is concurrent, class-based, object-oriented, and specifically designed to have as few implementation dependencies as possible. It is intended to let application developers write once, run anywhere (WORA), meaning that compiled Java code can run on all platforms that support Java without the need for recompilation.",

    "category\_id" : "559d3aade4b041ee764b2f78"

}

## Response

If successful, this method returns a request resource in the response body a [HTTP 201 status code](http://www.w3.org/Protocols/rfc2616/rfc2616-sec9.html#sec9.5) and include a [Location header](http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html#sec14.30) that points to the URL of the new resource. Status code = 201.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| Error type | Error detail | Description |
| notFound (404) | Category not found | This error is expected when cateogry id of the skill specified does not exist |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| forbidden (403) | Not Authorized | The request is not properly authorized. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| badrequest (400) | badrequest | This error is expected, if JSON document provided in the request body does not have mandatory parameters . |

Sample error response

{   
   "error\_code": 404  
   "message":"Category not found"     
}

# Skills: delete

Deletes a skill. Only admin is authorized to delete the skill.

## Request

### HTTP request

DELETE /rest/v1/admin/skills/{skillId}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Parameters

The table below lists the parameters that this query supports. All of the parameters listed are query parameters.

|  |  |  |  |
| --- | --- | --- | --- |
| Paramerer name | Value | Required | Description |
| skillId | string | Yes | The skillId parameter specifies skill ID for the resource that is being deleted. In a skill resource, the skillID property specifies the skill’s ID in skills resource document. |

### Request body

Do not provide a request body when calling this method.

## Response

If successful, this method does not return anything in the response body. Status code = 204.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| notFound (404) | Skill not found | The skill ID identified by the request's skillId parameter cannot be found. |
| forbidden (403) | Not Authorized | The request is not properly authorized. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |

Sample error response

{   
   "error\_code": 404  
   "message":"Skill not found"     
}

# Search: get list

Returns a list of projects and users that match the API request parameters.

## Request

### HTTP request

GET /rest/v1/search?parts=(projects,users)

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

#### Parameters

The table below lists the parameters that this query supports. All of the parameters listed are query parameters.

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Value | Required | Description |
| parts(optional) | String | No | The **parts** parameter specifies a comma-separated list of one or more request resource properties that the API response will include.  If **parts** is omitted, API response includes projects,users,skills |

### Request body

Do not provide a request body when calling this method.

## Response

If successful, this method returns a response body with the following structure. Status code = 200.

Ex : /rest/v1/search?parts=(projects,users)

{

"kind": "Resource#ProjectPeopleList",

"items": {

"projects": [

{

"\_id": "62ce0e30c99b64abf461cd77bf85c577",

"name": "Web Request Tracking",

"description": "Lorem ipsum dolor sit amet, metus nec ut, duis lorem nisl viverra blandit magna, vitae nec nulla maecenas odio ante dui, pretium pellentesque, quis dui quis ultricies litora. Libero sed mus, pede amet sit suscipit, felis hendrerit mi mauris ullamcorper justo, nostrum leo vel arcu, tortor eu vulputate tristique"

},

{

"\_id": "62ce0e30c99b64abf461cd77bf85cdf3",

"name": "Discover",

"description": "Lorem ipsum dolor sit amet, metus nec ut, duis lorem nisl viverra blandit magna, vitae nec nulla maecenas odio ante dui, pretium pellentesque, quis dui quis ultricies litora. Libero sed mus, pede amet sit suscipit, felis hendrerit mi mauris ullamcorper justo, nostrum leo vel arcu, tortor eu vulputate tristique"

},

{

"\_id": "f0fa381f57dbf6ac4a8f31bafac7c172",

"name": "My CSOL Mobile",

"description": "Global Client Dashboard provides an intelligent routing and distribution system for workflow activities within IBM. Approval activities of Global Client Dashboard adopters can be sent to a central queue and distributed to the approver via eMail, Web or Mobile channels to streamline and improve the efficiency of this workflow globally. "

},

{

"\_id": "f0fa381f57dbf6ac4a8f31bafac7d06a",

"name": "ICAP",

"description": "Innovation Marketplace provides an intelligent routing and distribution system for workflow activities within IBM. Approval activities of Innovation Marketplace adopters can be sent to a central queue and distributed to the approver via eMail, Web or Mobile channels to streamline and improve the efficiency of this workflow globally."

},

{

"\_id": "f0fa381f57dbf6ac4a8f31bafac7dde0",

"name": "Operational Insight",

"description": "A one-stop shop for management to view operational status of their department including project status, resource utilization, team skillset, vacation plans, project alerts."

},

{

"\_id": "f0fa381f57dbf6ac4a8f31bafac8fa2e",

"name": "Big Blue Queue",

"description": "BBQ provides an intelligent routing and distribution system for workflow activities within IBM. Approval activities of BBQ adopters can be sent to a central queue and distributed to the approver via eMail, Web or Mobile channels to streamline and improve the efficiency of this workflow globally. "

},

{

"\_id": "f0fa381f57dbf6ac4a8f31bafac9262c",

"name": "Global Client Dashboard",

"description": "Lorem ipsum dolor sit amet, metus nec ut, duis lorem nisl viverra blandit magna, vitae nec nulla maecenas odio ante dui, pretium pellentesque, quis dui quis ultricies litora. Libero sed mus, pede amet sit suscipit, felis hendrerit mi mauris ullamcorper justo, nostrum leo vel arcu, tortor eu vulputate tristique"

},

{

"\_id": "f0fa381f57dbf6ac4a8f31bafaca1d78",

"name": "IBM GetSimple Exchange",

"description": "Lorem ipsum dolor sit amet, metus nec ut, duis lorem nisl viverra blandit magna, vitae nec nulla maecenas odio ante dui, pretium pellentesque, quis dui quis ultricies litora. Libero sed mus, pede amet sit suscipit, felis hendrerit mi mauris ullamcorper justo, nostrum leo vel arcu, tortor eu vulputate tristique"

},

{

"\_id": "f0fa381f57dbf6ac4a8f31bafaca61e3",

"name": "Engage Support",

"description": "Lorem ipsum dolor sit amet, metus nec ut, duis lorem nisl viverra blandit magna, vitae nec nulla maecenas odio ante dui, pretium pellentesque, quis dui quis ultricies litora. Libero sed mus, pede amet sit suscipit, felis hendrerit mi mauris ullamcorper justo, nostrum leo vel arcu, tortor eu vulputate tristique"

}

],

"users": [

{

"\_id": "brownsm@us.ibm.com",

"fname": "MICAH S.",

"lname": "BROWN",

"job\_title": "Software Engineering Intern"

},

{

"\_id": "hyayi@us.ibm.com",

"fname": "HARISH",

"lname": "YAYI",

"job\_title": "Software Engineering Intern"

},

{

"\_id": "jawernet@us.ibm.com",

"fname": "JACOB A.",

"lname": "WERNETTE",

"job\_title": "Software Engineer"

},

{

"\_id": "jbskeen@us.ibm.com",

"fname": "JAMES B.",

"lname": "SKEEN",

"job\_title": "Software Engineer"

}

]

}

}

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| unauthorized (401) | badtoken | Invalid token or missing |
| badrequest (400) | badrequest | This error is expected, if a invalid parameter is passed in the url. |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |

Sample error response

{   
   "error\_code": 400  
   "message":"Please specify the parts parameter properly"     
}

# Dropdown: get list

Returns a list of dropdown data that match the API request parameters.

## Request

### HTTP request

GET /rest/v1/dropdown?filter=dropdownName

dropdownName can be either projectgeo, projectstatus, projectprocess, roles, employeestatus, employeetype or jobroles

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

#### Parameters

The table below lists the parameters that this query supports. All of the parameters listed are query parameters.

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Value | Required | Description |
| filter | String | Yes | The **filter** parameter specifies a dropdown name that the API response will include. |

### Request body

Do not provide a request body when calling this method.

## Response

If successful, this method returns a response body with the following structure. Status code = 200.

Ex : /rest/v1/search?filter=projectgeo

{

"kind": "Resource#ProjectGeoList",

"items": [

{

"\_id": "a09e73172d430867c1db16d0c265dc77",

"\_rev": "1-f177c2a94e1cb5c93f13966ad80ab7ff",

"name": "World Wide"

},

{

"\_id": "c653ee72c18c6792e78e5b86d640def7",

"\_rev": "1-eff881123fc75fcc58e34ff9a0e4ed89",

"name": "americas"

}

]

}

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| unauthorized (401) | badtoken | Invalid token or missing |
| badrequest (400) | badrequest | This error is expected, if a invalid parameter is passed in the url. |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |

Sample error response

{   
   "error\_code": 400  
   "message":"Please specify the parts parameter properly"     
}

# Newsfeeds: get list

Returns a list of newsfeeds that match the API request parameters.

## Request

### HTTP request

GET /rest/v1/newsfeeds?limit={limit}&offset={offset}&date={timestamp}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

#### Parameters

The table below lists the parameters that this query supports. All of the parameters listed are query parameters.

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Value | Required | Description |
| limit | unsigned integer | No | The limit parameter specifies the maximum number of items that should be returned in the result set. |
| offset | unsigned integer | No | The offset parameter specifies from which index value the items should be returned |
| date(optional) | string | No | If the date parameter is specified in the url, then the response includes only the newsfeeds where the date falls in between start\_date and end\_date of the newsfeed. |

### Request body

Do not provide a request body when calling this method.

## Response

If successful, this method returns a response body with the following structure. Status code = 200.

**Case 1** : If the date parameter is specified in the URL.

Ex : /rest/v1/newsfeeds?limit=5&offset=0&date=1439487200000

{

"kind": "Resource#NewsFeedList",

"items": [

{

"\_id": "3fd3e3fad1755982760c4342e2f5caf6",

"\_rev": "2-f6b3a75d1b0343924014153d384f7213",

"content": "Lorem ipsum dolor sit amet, metus nec ut, duis lorem nisl viverra blandit magna, vitae nec nulla maecenas odio ante dui, pretium pellentesque, quis dui quis ultricies litora. Libero sed mus, pede amet sit suscipit, felis hendrerit mi mauris ullamcorper justo, nostrum leo vel arcu, tortor eu vulputate tristique.",

"start\_date": 1434216800000,

"end\_date": 1450028000000,

"created\_by": "hyayi@us.ibm.com",

"created\_date": 1439613201906

},

{

"\_id": "1e00d4f43287bf3808537d55215f1a14",

"\_rev": "8-c8bff5e0c2cd8a485e9f80d68cab7f50",

"content": "Lorem ipsum dolor sit amet, metus nec ut, duis lorem nisl viverra blandit magna, vitae nec nulla maecenas odio ante dui, pretium pellentesque, quis dui quis ultricies litora. Libero sed mus, pede amet sit suscipit, felis hendrerit mi mauris ullamcorper justo, nostrum leo vel arcu, tortor eu vulputate tristique.",

"start\_date": 1431538400000,

"end\_date": 1450028000000,

"created\_by": "hyayi@us.ibm.com",

"created\_date": 1439564790549,

"modified\_by": "hyayi@us.ibm.com",

"modified\_date": 1439566069156

}

]

}

Case 2 : If the date parameter is not specified in the URL.

Ex : /rest/v1/newsfeeds?limit=3&offset=0

{

"kind": "Resource#NewsFeedList",

"pageInfo": {

"totalResults": 3,

"resultsPerPage": "3"

},

"items": [

{

"\_id": "3fd3e3fad1755982760c4342e2f5caf6",

"\_rev": "2-f6b3a75d1b0343924014153d384f7213",

"content": "Lorem ipsum dolor sit amet, metus nec ut, duis lorem nisl viverra blandit magna, vitae nec nulla maecenas odio ante dui, pretium pellentesque, quis dui quis ultricies litora. Libero sed mus, pede amet sit suscipit, felis hendrerit mi mauris ullamcorper justo, nostrum leo vel arcu, tortor eu vulputate tristique.",

"start\_date": 1434216800000,

"end\_date": 1450028000000,

"created\_by": "hyayi@us.ibm.com",

"created\_date": 1439613201906

},

{

"\_id": "1e00d4f43287bf3808537d55215f1a14",

"\_rev": "8-c8bff5e0c2cd8a485e9f80d68cab7f50",

"content": "Lorem ipsum dolor sit amet, metus nec ut, duis lorem nisl viverra blandit magna, vitae nec nulla maecenas odio ante dui, pretium pellentesque, quis dui quis ultricies litora. Libero sed mus, pede amet sit suscipit, felis hendrerit mi mauris ullamcorper justo, nostrum leo vel arcu, tortor eu vulputate tristique.",

"start\_date": 1431538400000,

"end\_date": 1450028000000,

"created\_by": "hyayi@us.ibm.com",

"created\_date": 1439564790549,

"modified\_by": "hyayi@us.ibm.com",

"modified\_date": 1439566069156

},

{

"\_id": "9a6ffce88c28185705635229a5212cd4",

"\_rev": "4-5c19ce115cfa1cc86dbd81064bda70fa",

"content": "Lorem ipsum dolor sit amet, metus nec ut, duis lorem nisl viverra blandit magna, vitae nec nulla maecenas odio ante dui, pretium pellentesque, quis dui quis ultricies litora. Libero sed mus, pede amet sit suscipit, felis hendrerit mi mauris ullamcorper justo, nostrum leo vel arcu, tortor eu vulputate tristique.",

"start\_date": 1434216800000,

"end\_date": 1450028000000,

"created\_by": "hyayi@us.ibm.com",

"created\_date": 1439613107637

}

]

}

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| badrequest (400) | badrequest | This error is expected, if a invalid parameter is passed in the url. |
| Unauthorized (401) | BadToken | Token is missing or invalid |

# Newsfeed: Update

Update a newsfeed’s properties. Only Admin is authorized to do this.

## Request

### HTTP request

PUT rest/v1/admin/newsfeeds/{newsfeedId}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Paramerer name | Value | Required | Description |
| newsfeedID | string | Yes | The newsfeedID parameter specifies newsfeed ID for the resource that is being updated. In a newsfeed resource, the newsfeedID property specifies the newsfeed’s ID in newsfeed resource document. |

### Request body

Provide a newsfeed resource in the request body.

If you are submitting an update request, and your request does not specify a value for a property that already has a value, the property's existing value will be unchanged.

{

"content" : " Lorem ipsum dolor sit amet, metus nec ut, duis lorem nisl viverra blandit magna, vitae nec nulla maecenas odio ante dui, pretium pellentesque, quis dui quis ultricies litora. Libero sed mus, pede amet sit suscipit, felis hendrerit mi mauris ullamcorper justo, nostrum leo vel arcu, tortor eu vulputate tristique."

}

## Response

If successful, this method returns a request resource in the response body a [HTTP 204 status code](http://www.w3.org/Protocols/rfc2616/rfc2616-sec9.html#sec9.6) and include a [Location header](http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html#sec14.30) that points to the URL of the new resource. Status code = 204.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| notFound (404) | Newsfeed not found | The newsfeed ID identified by the request's newsfeedId parameter cannot be found. |
| Forbidden (403) | Not authorized | This error message is thrown if the user is trying to access a resource which he/she is not authorized. Only Admin can update the newsfeed. |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| badrequest (400) | badrequest | This error is expected, if the JSON document supplied in the body does not have mandatory parameters. |

Sample error response

{   
   "error\_code": 403  
   "message":"Not authorized"     
}

# Newsfeed: get details

Returns newsfeed details based on the newsfeed ID specified.

## Request

### HTTP request

GET rest/v1/newsfeeds/{newsfeedId}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Request body

Do not provide a request body when calling this method.

## Response

If successful, this method returns details of the skill in its response body. Below is the sample format of the response body. Status code = 200.

{

"kind": "Resource#NewsFeed",

"item": {

"\_id": "1e00d4f43287bf3808537d55215f1a14",

"\_rev": "8-c8bff5e0c2cd8a485e9f80d68cab7f50",

"content": "Lorem ipsum dolor sit amet, metus nec ut, duis lorem nisl viverra blandit magna, vitae nec nulla maecenas odio ante dui, pretium pellentesque, quis dui quis ultricies litora. Libero sed mus, pede amet sit suscipit, felis hendrerit mi mauris ullamcorper justo, nostrum leo vel arcu, tortor eu vulputate tristique.",

"start\_date": 1431538400000,

"end\_date": 1450028000000,

"created\_by": "hyayi@us.ibm.com",

"created\_date": 1439564790549,

"modified\_by": "hyayi@us.ibm.com",

"modified\_date": 1439566069156

}

}

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| Error type | Error detail | Description |
| notFound (404) | newsfeed not found | The newsfeed with id newsfeedId cannot be found. |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| Unauthorized (401) | BadToken | Token is missing or invalid |

Sample error response

{   
   "error\_code": 404  
   "message":"newsfeed not found"     
}

# Newsfeed: add

This api is for creating a new newsfeed. Only Admin is authorized to do this.

## Request

### HTTP request

POST rest/v1/admin/newsfeeds

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Request body

Provide a request resource in the request body.

{

"content" : " Lorem ipsum dolor sit amet, metus nec ut, duis lorem nisl viverra blandit magna, vitae nec nulla maecenas odio ante dui, pretium pellentesque, quis dui quis ultricies litora. Libero sed mus, pede amet sit suscipit, felis hendrerit mi mauris ullamcorper justo, nostrum leo vel arcu, tortor eu vulputate tristique.",

"start\_date" : "1434216800000",

"end\_date" : "1450028000000"

}

## Response

If successful, this method returns a request resource in the response body a [HTTP 201 status code](http://www.w3.org/Protocols/rfc2616/rfc2616-sec9.html#sec9.5) and include a [Location header](http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html#sec14.30) that points to the URL of the new resource. Status code = 201.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| Error type | Error detail | Description |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| forbidden (403) | Not Authorized | The request is not properly authorized. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| badrequest (400) | badrequest | This error is expected, if JSON document provided in the request body does not have mandatory parameters . |

Sample error response

{   
   "error\_code": 403  
   "message":"Not Authorized"     
}

# Newsfeed: delete

Deletes a newsfeed. Only admin is authorized to delete the newsfeed.

## Request

### HTTP request

DELETE /rest/v1/admin/newsfeeds/{newsfeedId}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Parameters

The table below lists the parameters that this query supports. All of the parameters listed are query parameters.

|  |  |  |  |
| --- | --- | --- | --- |
| Paramerer name | Value | Required | Description |
| newsfeedID | string | Yes | The newsfeedID parameter specifies newsfeed ID for the resource that is being updated. In a newsfeed resource, the newsfeedID property specifies the newsfeed’s ID in newsfeed resource document. |

### Request body

Do not provide a request body when calling this method.

## Response

If successful, this method does not return anything in the response body. Status code = 204.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| notFound (404) | newsfeed not found | The newsfeed ID identified by the request's newsfeedId parameter cannot be found. |
| forbidden (403) | Not Authorized | The request is not properly authorized. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |

Sample error response

{   
   "error\_code": 404  
   "message":"Newsfeed not found"     
}

# ProjectStatus: get details

Returns projectstatus details based on the projectstatus ID specified. Only Admin is authorized to do this.

## Request

### HTTP request

GET rest/v1/admin/projectstatus/{projectStatusId}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Request body

Do not provide a request body when calling this method.

## Response

If successful, this method returns details of the skill in its response body. Below is the sample format of the response body. Status code = 200.

## {

## "kind": "Resource#ProjectStatusDetails",

## "item": {

## "\_id": "d5162523d9e74a36243a40210a1baed6",

## "\_rev": "1-0a1c22ec1075d1ac6ac6b3338db6fa0e",

## "name": "Active New Development",

## "description": "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis pharetra tristique blandit. Phasellus posuere justo vel nibh auctor dapibus. Maecenas dapibus ipsum rhoncus, fringilla diam ut, posuere mauris",

## "created\_by": "hyayi@us.ibm.com",

## "created\_date":"1434216800000"

## }

## }

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| Error type | Error detail | Description |
| notFound (404) | Project status not found | The project status with id projectStatusId cannot be found. |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| forbidden (403) | Not Authorized | The request is not properly authorized. |

Sample error response

{   
   "error\_code": 404  
   "message":"Project status not found"     
}

# ProjectStatus: add

This api is for creating a new project status. Only Admin is authorized to do this.

## Request

### HTTP request

POST rest/v1/admin/projectstatus

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Request body

Provide a request resource in the request body.

{

"name" : "Active New Development",

“description” : “Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis pharetra tristique blandit. Phasellus posuere justo vel nibh auctor dapibus. Maecenas dapibus ipsum rhoncus, fringilla diam ut, posuere mauris.“

}

## Response

If successful, this method returns a request resource in the response body a [HTTP 201 status code](http://www.w3.org/Protocols/rfc2616/rfc2616-sec9.html#sec9.5) and include a [Location header](http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html#sec14.30) that points to the URL of the new resource. Status code = 201.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| Error type | Error detail | Description |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| forbidden (403) | Not Authorized | The request is not properly authorized. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| badrequest (400) | badrequest | This error is expected, if JSON document provided in the request body does not have mandatory parameters . |

Sample error response

{   
   "error\_code": 403  
   "message":"Not Authorized"     
}

# ProjectStatus: Update

Update a projectstatus properties. Only Admin is authorized to do this.

## Request

### HTTP request

PUT rest/v1/admin/projectstatus/{projectStatusId}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Paramerer name | Value | Required | Description |
| projectStatusId | string | Yes | The projectStatusId parameter specifies projectstatus ID for the resource that is being updated. In a projectstatus resource, the projectStatusId property specifies the projectstatus’s ID in projectstatus resource document. |

### Request body

Provide a projectstatus resource in the request body.

If you are submitting an update request, and your request does not specify a value for a property that already has a value, the property's existing value will be unchanged.

{

"description" : " Lorem ipsum dolor sit amet, metus nec ut, duis lorem nisl viverra blandit magna, vitae nec nulla maecenas odio ante dui, pretium pellentesque, quis dui quis ultricies litora. Libero sed mus, pede amet sit suscipit, felis hendrerit mi mauris ullamcorper justo, nostrum leo vel arcu, tortor eu vulputate tristique."

}

## Response

If successful, this method returns a request resource in the response body a [HTTP 204 status code](http://www.w3.org/Protocols/rfc2616/rfc2616-sec9.html#sec9.6) and include a [Location header](http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html#sec14.30) that points to the URL of the new resource. Status code = 204.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| notFound (404) | Projectstatus not found | The projectstatus ID identified by the request's projectStatusId parameter cannot be found. |
| Forbidden (403) | Not authorized | This error message is thrown if the user is trying to access a resource which he/she is not authorized. Only Admin can update the projectstatus resource. |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| badrequest (400) | badrequest | This error is expected, if the JSON document supplied in the body does not have mandatory parameters. |

Sample error response

{   
   "error\_code": 403  
   "message":"Not Authorized"     
}

# ProjectStatus: delete

Deletes a project status. Only admin is authorized to delete the project status.

## Request

### HTTP request

DELETE /rest/v1/admin/projectstatus/{projectStatusId}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Parameters

The table below lists the parameters that this query supports. All of the parameters listed are query parameters.

|  |  |  |  |
| --- | --- | --- | --- |
| Paramerer name | Value | Required | Description |
| projectStatusId | string | Yes | The projectStatusId parameter specifies projectstatus ID for the resource that is being updated. In a project status resource, the projectStatusId property specifies the project status ID in project status resource document. |

### Request body

Do not provide a request body when calling this method.

## Response

If successful, this method does not return anything in the response body. Status code = 204.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| notFound (404) | Project Status not found | The projectstatus ID identified by the request's projectStatusId parameter cannot be found. |
| forbidden (403) | Not Authorized | The request is not properly authorized. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |

Sample error response

{   
   "error\_code": 404  
   "message":"Project Status not found"     
}

# ProjectProcess: get details

Returns projectprocess details based on the projectprocess ID specified. Only Admin is authorized to do this.

## Request

### HTTP request

GET rest/v1/admin/projectprocess/{projectProcessId}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Request body

Do not provide a request body when calling this method.

## Response

If successful, this method returns details of the skill in its response body. Below is the sample format of the response body. Status code = 200.

## {

## "kind": "Resource#ProjectProcessDetails",

## "item": {

## "\_id": "d5162523d9e74a36243a40210a1baed6",

## "\_rev": "1-0a1c22ec1075d1ac6ac6b3338db6fa0e",

## "name": "Service",

## "description": "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis pharetra tristique blandit. Phasellus posuere justo vel nibh auctor dapibus. Maecenas dapibus ipsum rhoncus, fringilla diam ut, posuere mauris",

## "created\_by": "hyayi@us.ibm.com",

## "created\_date":"1434216800000"

## }

## }

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| Error type | Error detail | Description |
| notFound (404) | Project process not found | The project status with id projectProcessId cannot be found. |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| forbidden (403) | Not Authorized | The request is not properly authorized. |

Sample error response

{   
   "error\_code": 404  
   "message":"Project process not found"     
}

# ProjectProcess: add

This api is for creating a new project process. Only Admin is authorized to do this.

## Request

### HTTP request

POST rest/v1/admin/projectprocess

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Request body

Provide a request resource in the request body.

{

"name" : "Service",

“description” : “Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis pharetra tristique blandit. Phasellus posuere justo vel nibh auctor dapibus. Maecenas dapibus ipsum rhoncus, fringilla diam ut, posuere mauris.”

}

## Response

If successful, this method returns a request resource in the response body a [HTTP 201 status code](http://www.w3.org/Protocols/rfc2616/rfc2616-sec9.html#sec9.5) and include a [Location header](http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html#sec14.30) that points to the URL of the new resource. Status code = 201.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| Error type | Error detail | Description |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| forbidden (403) | Not Authorized | The request is not properly authorized. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| badrequest (400) | badrequest | This error is expected, if JSON document provided in the request body does not have mandatory parameters . |

Sample error response

{   
   "error\_code": 403  
   "message":"Not Authorized"     
}

# ProjectProcess: Update

Update a projectprocess properties. Only Admin is authorized to do this.

## Request

### HTTP request

PUT rest/v1/admin/projectprocess/{projectProcessId}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Paramerer name | Value | Required | Description |
| projectProcessId | string | Yes | The projectProcessId parameter specifies projectprocess ID for the resource that is being updated. In a projectprocess resource, the projectProcessId property specifies the projectprocess’s ID in projectprocess resource document. |

### Request body

Provide a projectprocess resource in the request body.

If you are submitting an update request, and your request does not specify a value for a property that already has a value, the property's existing value will be unchanged.

{

"description" : " Lorem ipsum dolor sit amet, metus nec ut, duis lorem nisl viverra blandit magna, vitae nec nulla maecenas odio ante dui, pretium pellentesque, quis dui quis ultricies litora. Libero sed mus, pede amet sit suscipit, felis hendrerit mi mauris ullamcorper justo, nostrum leo vel arcu, tortor eu vulputate tristique."

}

## Response

If successful, this method returns a request resource in the response body a [HTTP 204 status code](http://www.w3.org/Protocols/rfc2616/rfc2616-sec9.html#sec9.6) and include a [Location header](http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html#sec14.30) that points to the URL of the new resource. Status code = 204.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| notFound (404) | ProjectProcess not found | The projectprocess ID identified by the request's projectProcessId parameter cannot be found. |
| Forbidden (403) | Not authorized | This error message is thrown if the user is trying to access a resource which he/she is not authorized. Only Admin can update the projectprocess resource. |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| badrequest (400) | badrequest | This error is expected, if the JSON document supplied in the body does not have mandatory parameters. |

Sample error response

{   
   "error\_code": 403  
   "message":"Not Authorized"     
}

# ProjectProcess: delete

Deletes a project process. Only admin is authorized to delete the project process.

## Request

### HTTP request

DELETE /rest/v1/admin/projectprocess/{projectProcessId}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Parameters

The table below lists the parameters that this query supports. All of the parameters listed are query parameters.

|  |  |  |  |
| --- | --- | --- | --- |
| Paramerer name | Value | Required | Description |
| projectProcessId | string | Yes | The projectProcessId parameter specifies projectprocess ID for the resource that is being updated. In a project process resource, the projectProcessId property specifies the project process ID in project process resource document. |

### Request body

Do not provide a request body when calling this method.

## Response

If successful, this method does not return anything in the response body. Status code = 204.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| notFound (404) | Project Process not found | The projectprocess ID identified by the request's projectProcessId parameter cannot be found. |
| forbidden (403) | Not Authorized | The request is not properly authorized. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |

Sample error response

{   
   "error\_code": 404  
   "message":"Project Process not found"     
}

# ProjectGeo: get details

Returns projectgeo details based on the projectgeo ID specified. Only Admin is authorized to do this.

## Request

### HTTP request

GET rest/v1/admin/projectgeo/{projectGeoId}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Request body

Do not provide a request body when calling this method.

## Response

If successful, this method returns details of the skill in its response body. Below is the sample format of the response body. Status code = 200.

## {

## "kind": "Resource#ProjectGeoDetails",

## "item": {

## "\_id": "d5162523d9e74a36243a40210a1baed6",

## "\_rev": "1-0a1c22ec1075d1ac6ac6b3338db6fa0e",

## "name": "America",

## "description": "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis pharetra tristique blandit. Phasellus posuere justo vel nibh auctor dapibus. Maecenas dapibus ipsum rhoncus, fringilla diam ut, posuere mauris",

## "created\_by": "hyayi@us.ibm.com",

## "created\_date":"1434216800000"

## }

## }

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| Error type | Error detail | Description |
| notFound (404) | Project geo not found | The project status with id projectGeoId cannot be found. |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| forbidden (403) | Not Authorized | The request is not properly authorized. |

Sample error response

{   
   "error\_code": 404  
   "message":"Project process not found"     
}

# ProjectGeo: add

This api is for creating a new project geo. Only Admin is authorized to do this.

## Request

### HTTP request

POST rest/v1/admin/projectgeo

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Request body

Provide a request resource in the request body.

{

"name" : "America",

## "description": "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis pharetra tristique blandit. Phasellus posuere justo vel nibh auctor dapibus. Maecenas dapibus ipsum rhoncus, fringilla diam ut, posuere mauris",

}

## Response

If successful, this method returns a request resource in the response body a [HTTP 201 status code](http://www.w3.org/Protocols/rfc2616/rfc2616-sec9.html#sec9.5) and include a [Location header](http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html#sec14.30) that points to the URL of the new resource. Status code = 201.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| Error type | Error detail | Description |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| forbidden (403) | Not Authorized | The request is not properly authorized. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| badrequest (400) | badrequest | This error is expected, if JSON document provided in the request body does not have mandatory parameters . |

Sample error response

{   
   "error\_code": 403  
   "message":"Not Authorized"     
}

# ProjectGeo: Update

Update a projectgeo properties. Only Admin is authorized to do this.

## Request

### HTTP request

PUT rest/v1/admin/projectgeo/{projectGeoId}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Paramerer name | Value | Required | Description |
| projectGeoId | string | Yes | The projectGeoId parameter specifies projectgeo ID for the resource that is being updated. In a projectgeo resource, the projectGeoId property specifies the projectgeo’s ID in projectgeo resource document. |

### Request body

Provide a projectgeo resource in the request body.

If you are submitting an update request, and your request does not specify a value for a property that already has a value, the property's existing value will be unchanged.

{

"description" : " Lorem ipsum dolor sit amet, metus nec ut, duis lorem nisl viverra blandit magna, vitae nec nulla maecenas odio ante dui, pretium pellentesque, quis dui quis ultricies litora. Libero sed mus, pede amet sit suscipit, felis hendrerit mi mauris ullamcorper justo, nostrum leo vel arcu, tortor eu vulputate tristique."

}

## Response

If successful, this method returns a request resource in the response body a [HTTP 204 status code](http://www.w3.org/Protocols/rfc2616/rfc2616-sec9.html#sec9.6) and include a [Location header](http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html#sec14.30) that points to the URL of the new resource. Status code = 204.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| notFound (404) | ProjectGeo not found | The projectgeo ID identified by the request's projectGeoId parameter cannot be found. |
| Forbidden (403) | Not authorized | This error message is thrown if the user is trying to access a resource which he/she is not authorized. Only Admin can update the projectgeo resource. |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| badrequest (400) | badrequest | This error is expected, if the JSON document supplied in the body does not have mandatory parameters. |

Sample error response

{   
   "error\_code": 403  
   "message":"Not Authorized"     
}

# ProjectGeo: delete

Deletes a project geo. Only admin is authorized to delete the project geo.

## Request

### HTTP request

DELETE /rest/v1/admin/projectgeo/{projectGeoId}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Parameters

The table below lists the parameters that this query supports. All of the parameters listed are query parameters.

|  |  |  |  |
| --- | --- | --- | --- |
| Paramerer name | Value | Required | Description |
| projectGeoId | string | Yes | The projectGeoId parameter specifies projectgeo ID for the resource that is being updated. In a project geo resource, the projectGeoId property specifies the project geo ID in project geo resource document. |

### Request body

Do not provide a request body when calling this method.

## Response

If successful, this method does not return anything in the response body. Status code = 204.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| notFound (404) | Project Geo not found | The project geo ID identified by the request's projectGeoId parameter cannot be found. |
| forbidden (403) | Not Authorized | The request is not properly authorized. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |

Sample error response

{   
   "error\_code": 404  
   "message":"Project Geo not found"     
}

# JobRoles: get details

Returns job role details based on the jobrole ID specified. Only Admin is authorized to do this.

## Request

### HTTP request

GET rest/v1/admin/jobroles/{jobRoleId}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Request body

Do not provide a request body when calling this method.

## Response

If successful, this method returns details of the skill in its response body. Below is the sample format of the response body. Status code = 200.

## {

## "kind": "Resource#JobRoleDetails",

## "item": {

## "\_id": "d5162523d9e74a36243a40210a1baed6",

## "\_rev": "1-0a1c22ec1075d1ac6ac6b3338db6fa0e",

## "name": "Architect",

## "description": "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis pharetra tristique blandit. Phasellus posuere justo vel nibh auctor dapibus. Maecenas dapibus ipsum rhoncus, fringilla diam ut, posuere mauris",

## "created\_by": "hyayi@us.ibm.com",

## "created\_date":"1434216800000"

## }

## }

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| Error type | Error detail | Description |
| notFound (404) | Job role not found | The project status with id jobRoleId cannot be found. |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| forbidden (403) | Not Authorized | The request is not properly authorized. |

Sample error response

{   
   "error\_code": 404  
   "message":"Job role not found"     
}

# JobRoles: add

This api is for creating a new job role. Only Admin is authorized to do this.

## Request

### HTTP request

POST rest/v1/admin/jobroles

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Request body

Provide a request resource in the request body.

{

"name" : "Architect",

## "description": "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis pharetra tristique blandit. Phasellus posuere justo vel nibh auctor dapibus. Maecenas dapibus ipsum rhoncus, fringilla diam ut, posuere mauris",

}

## Response

If successful, this method returns a request resource in the response body a [HTTP 201 status code](http://www.w3.org/Protocols/rfc2616/rfc2616-sec9.html#sec9.5) and include a [Location header](http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html#sec14.30) that points to the URL of the new resource. Status code = 201.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| Error type | Error detail | Description |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| forbidden (403) | Not Authorized | The request is not properly authorized. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| badrequest (400) | badrequest | This error is expected, if JSON document provided in the request body does not have mandatory parameters . |

Sample error response

{   
   "error\_code": 403  
   "message":"Not Authorized"     
}

# JobRoles: Update

Update a jobrole properties. Only Admin is authorized to do this.

## Request

### HTTP request

PUT rest/v1/admin/jobroles/{jobRoleId}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Paramerer name | Value | Required | Description |
| jobRoleId | string | Yes | The jobRoleId parameter specifies jobrole ID for the resource that is being updated. In a jobrole resource, the jobRoleId property specifies the jobrole’s ID in jobroles resource document. |

### Request body

Provide a jobrole resource in the request body.

If you are submitting an update request, and your request does not specify a value for a property that already has a value, the property's existing value will be unchanged.

{

"description" : " Lorem ipsum dolor sit amet, metus nec ut, duis lorem nisl viverra blandit magna, vitae nec nulla maecenas odio ante dui, pretium pellentesque, quis dui quis ultricies litora. Libero sed mus, pede amet sit suscipit, felis hendrerit mi mauris ullamcorper justo, nostrum leo vel arcu, tortor eu vulputate tristique."

}

## Response

If successful, this method returns a request resource in the response body a [HTTP 204 status code](http://www.w3.org/Protocols/rfc2616/rfc2616-sec9.html#sec9.6) and include a [Location header](http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html#sec14.30) that points to the URL of the new resource. Status code = 204.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| notFound (404) | JobRole not found | The jobrole ID identified by the request's jobRoleId parameter cannot be found. |
| Forbidden (403) | Not authorized | This error message is thrown if the user is trying to access a resource which he/she is not authorized. Only Admin can update the jobrole resource. |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| badrequest (400) | badrequest | This error is expected, if the JSON document supplied in the body does not have mandatory parameters. |

Sample error response

{   
   "error\_code": 403  
   "message":"Not Authorized"     
}

# JobRoles: delete

Deletes a job role. Only admin is authorized to delete the job role.

## Request

### HTTP request

DELETE /rest/v1/admin/jobroles/{jobRoleId}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Parameters

The table below lists the parameters that this query supports. All of the parameters listed are query parameters.

|  |  |  |  |
| --- | --- | --- | --- |
| Paramerer name | Value | Required | Description |
| jobRoleId | string | Yes | The jobRoleId parameter specifies job role ID for the resource that is being updated. In a job role resource, the jobRoleId property specifies the job role ID in jobroles resource document. |

### Request body

Do not provide a request body when calling this method.

## Response

If successful, this method does not return anything in the response body. Status code = 204.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| notFound (404) | Job role not found | The job role ID identified by the request's jobRoleId parameter cannot be found. |
| forbidden (403) | Not Authorized | The request is not properly authorized. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |

Sample error response

{   
   "error\_code": 404  
   "message":"Job role not found"     
}

# Categories: get details

Returns Category details based on the category ID specified. Only Admin is authorized to do this.

## Request

### HTTP request

GET rest/v1/admin/categories/{categoryId}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Request body

Do not provide a request body when calling this method.

## Response

If successful, this method returns details of the skill in its response body. Below is the sample format of the response body. Status code = 200.

## {

## "kind": "Resource#CategoryDetails",

## "item": {

## "\_id": "d5162523d9e74a36243a40210a1baed6",

## "\_rev": "1-0a1c22ec1075d1ac6ac6b3338db6fa0e",

## "name": "Databases",

## "description": "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis pharetra tristique blandit. Phasellus posuere justo vel nibh auctor dapibus. Maecenas dapibus ipsum rhoncus, fringilla diam ut, posuere mauris",

## "created\_by": "hyayi@us.ibm.com",

## "created\_date":"1434216800000"

## }

## }

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| Error type | Error detail | Description |
| notFound (404) | Category not found | The project status with id categoryId cannot be found. |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| forbidden (403) | Not Authorized | The request is not properly authorized. |

Sample error response

{   
   "error\_code": 404  
   "message":"Category not found"     
}

# Categories: add

This method is for creating a new Category. Only Admin is authorized to do this.

## Request

### HTTP request

POST rest/v1/admin/categories

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Request body

Provide a request resource in the request body.

{

"name" : "Web Development",

## "description": "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis pharetra tristique blandit. Phasellus posuere justo vel nibh auctor dapibus. Maecenas dapibus ipsum rhoncus, fringilla diam ut, posuere mauris"

}

## Response

If successful, this method returns a request resource in the response body a [HTTP 201 status code](http://www.w3.org/Protocols/rfc2616/rfc2616-sec9.html#sec9.5) and include a [Location header](http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html#sec14.30) that points to the URL of the new resource. Status code = 201.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| Error type | Error detail | Description |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| forbidden (403) | Not Authorized | The request is not properly authorized. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| badrequest (400) | badrequest | This error is expected, if JSON document provided in the request body does not have mandatory parameters. |

Sample error response

{   
   "error\_code": 403  
   "message":"Not Authorized"     
}

# Categories: Update

Update a category properties. Only Admin is authorized to do this.

## Request

### HTTP request

PUT rest/v1/admin/categories/{categoryId}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Paramerer name | Value | Required | Description |
| categoryId | string | Yes | The categoryId parameter specifies category ID for the resource that is being updated. In a category resource, the categoryId property specifies the category’s ID in categories resource document. |

### Request body

Provide a category resource in the request body.

If you are submitting an update request, and your request does not specify a value for a property that already has a value, the property's existing value will be unchanged.

{

"description" : " Lorem ipsum dolor sit amet, metus nec ut, duis lorem nisl viverra blandit magna, vitae nec nulla maecenas odio ante dui, pretium pellentesque, quis dui quis ultricies litora. Libero sed mus, pede amet sit suscipit, felis hendrerit mi mauris ullamcorper justo, nostrum leo vel arcu, tortor eu vulputate tristique."

}

## Response

If successful, this method returns a request resource in the response body a [HTTP 204 status code](http://www.w3.org/Protocols/rfc2616/rfc2616-sec9.html#sec9.6) and include a [Location header](http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html#sec14.30) that points to the URL of the new resource. Status code = 204.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| notFound (404) | Category not found | The category ID identified by the request's categoryId parameter cannot be found. |
| Forbidden (403) | Not authorized | This error message is thrown if the user is trying to access a resource which he/she is not authorized. Only Admin can update the category resource. |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| badrequest (400) | badrequest | This error is expected, if the JSON document supplied in the body does not have mandatory parameters. |

Sample error response

{   
   "error\_code": 403  
   "message":"Not Authorized"     
}

# Categories: delete

Deletes a Category. Only admin is authorized to delete the Category. This API deletes a category in Category database and also deletes the skills related to that category in Skills database and removes the skill entries in the Users database.

## Request

### HTTP request

DELETE /rest/v1/admin/categories/{categoryId}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

### Parameters

The table below lists the parameters that this query supports. All of the parameters listed are query parameters.

|  |  |  |  |
| --- | --- | --- | --- |
| Paramerer name | Value | Required | Description |
| categoryId | string | Yes | The categoryId parameter specifies category ID for the resource that is being updated. In a category resource, the categoryId property specifies the category ID in categories resource document. |

### Request body

Do not provide a request body when calling this method.

## Response

If successful, this method does not return anything in the response body. Status code = 204.

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| notFound (404) | Category not found | The category ID identified by the request's categoryId parameter cannot be found. |
| forbidden (403) | Not Authorized | The request is not properly authorized. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |

Sample error response

{   
   "error\_code": 404  
   "message":"Category not found"     
}

# Categories: get list

Returns a list of categories that match the API request parameters.

## Request

### HTTP request

GET /rest/v1/admin/categories?limit={limit}&offset={offset}

Token generated after login should be put in the request header in order to call the api, the following is the field which needs to be set in the request header ‘x-access-token’

#### Parameters

The table below lists the parameters that this query supports. All of the parameters listed are query parameters.

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Value | Required | Description |
| limit | unsigned integer | No | The limit parameter specifies the maximum number of items that should be returned in the result set. |
| offset | unsigned integer | No | The offset parameter specifies from which index value the items should be returned |

### Request body

Do not provide a request body when calling this method.

## Response

If successful, this method returns a response body with the following structure. Status code = 200.

## {

## "kind": "Resource#CategoriesList",

## "items": [

## {

## "\_id": "62ce0e30c99b64abf461cd77bf764ea4",

## "\_rev": "1-e74074115e08a1f9bfefbdf3b08a1032",

## "name": "Web Development"

## },

## {

## "\_id": "62ce0e30c99b64abf461cd77bf764a45",

## "\_rev": "1-6e5e2fb8492e3bb55f56bd3232a25007",

## "name": "Databases"

## }

## ]

## }

## Errors

The table below identifies error messages that the API could return in response to a call to this method.

|  |  |  |
| --- | --- | --- |
| **Error type** | **Error detail** | **Description** |
| Internal Server Error (500) | InternalError | The server encountered an unexpected condition which prevented it from fulfilling the request. |
| badrequest (400) | badrequest | This error is expected, if a invalid parameter is passed in the url. |
| Unauthorized (401) | BadToken | Token is missing or invalid |
| forbidden (403) | Not Authorized | The request is not properly authorized. |

Sample error response

{   
   "error\_code": 403  
   "message":"Not Authorized"     
}