

Cube

Permission Properties

HTTP REQUEST: GET

```
GET /api/1.0/org/{orgId}/permissions/project/{projectId}/cube
```

URI PARAMETERS

Name	Type	Description
orgId	string	The Organization ID (UUID) for which you are querying.
projectId	string	The Project ID for which you are querying

RESPONSES

Code	Description
200	Success.

200 Reponse Body

```
{
  "response": {
    "designtime_permissions": [
      {
        "name": "cube.read",
        "id": "cube.read"
      },
      {
        "name": "cube.update",
        "id": "cube.update"
      },
      {
        "name": "cube.delete",
        "id": "cube.delete"
      }
    ],
    "runtime_permissions": [
      {
        "name": "cube.query",
        "id": "cube.query"
      },
      {
        "name": "cube.ctas",
        "id": "cube.ctas"
      }
    ]
  },
  "status": {
    "i18n_message": "response.ok",
    "message": "OK"
  }
}
```

Permissions

HTTP REQUEST: GET

```
GET /api/1.0/org/{orgId}/permissions/project/{projectId}/cube/{cubeId}
```

URI PARAMETERS

Name	Type	Description
orgId	string	The Organization ID (UUID) for which you are querying.
projectId	string	The Project ID for which you are querying
cubeId	string	The Cube ID for which you are querying

RESPONSES

Code	Description
200	Success.
401	This error will occur if calling user does not have access right for the API.
404	This error will occur if calling user does not have access right for the API.
500	A server error occurred. Check the logs for more details.
503	This error will occur if Design Center APIs are not enabled.

200 Reponse Body

```
{
  "response": {
    "designtime_permissions": {
      "designtime_permission_matrix": {
        "568a4ab9-f7a4-4ac2-5162-9a496453d161": [
          "cube.read",
          "cube.update",
          "cube.delete"
        ],
        "admin1234": [
          "cube.read",
          "cube.update",
          "cube.delete"
        ],
      }
    }
  }
}
```

```
"f1edfca6-7f8a-4a4d-7952-4660580c67a2": [  
  "cube.read",  
  "cube.update",  
  "cube.delete"  
]  
},  
"permissions": [  
  {  
    "name": "cube.read",  
    "id": "cube.read"  
  },  
  {  
    "name": "cube.update",  
    "id": "cube.update"  
  },  
  {  
    "name": "cube.delete",  
    "id": "cube.delete"  
  }  
],  
"users": [  
  {  
    "user_id": "admin1234",  
    "auth_username": "admin",  
    "name": "admin user",  
    "super_user": true,  
    "api_super_user": true,  
    "email": "admin@atscale.com"  
  },  
  {  
    "user_id": "568a4ab9-f7a4-4ac2-5162-9a496453d161",  
    "auth_username": "gaurav1",  
    "name": "gaurav",  
    "super_user": false,  
    "api_super_user": false,  
    "email": "gaurav1@gaurav.com"  
  },  
  {  
    "user_id": "f1edfca6-7f8a-4a4d-7952-4660580c67a2",  
    "auth_username": "gauravshetti4",  
    "name": "gaurav",
```

```

    "super_user": false,
    "api_super_user": false,
    "email": "gauravshetti4@gmail.com"
  }
]
},
"object_properties": {
  "exclusive_access": false,
  "author_user_id": "admin1234",
  "object_type": "cube",
  "object_id": "default.58e262f8-3ec6-4835-4890-60e8ab51e76b.3eac167c-6dfd-4487-5876-38a039618e82"
},
"runtime_permissions": {
  "permissions": [
    {
      "name": "cube.query",
      "id": "cube.query"
    },
    {
      "name": "cube.ctas",
      "id": "cube.ctas"
    }
  ],
}
"user_permission_matrix": {
  "568a4ab9-f7a4-4ac2-5162-9a496453d161": [
    "cube.query",
    "cube.ctas"
  ],
  "admin1234": [
    "cube.query",
    "cube.ctas"
  ],
  "f1edfca6-7f8a-4a4d-7952-4660580c67a2": [
    "cube.query",
    "cube.ctas"
  ]
},
"users": [
  {
    "user_id": "admin1234",

```

```

    "auth_username": "admin",
    "name": "admin user",
    "super_user": true,
    "api_super_user": true,
    "email": "admin@atscale.com"
  },
  {
    "user_id": "568a4ab9-f7a4-4ac2-5162-9a496453d161",
    "auth_username": "gaurav1",
    "name": "gaurav",
    "super_user": false,
    "api_super_user": false,
    "email": "gaurav1@gaurav.com"
  },
  {
    "user_id": "f1edfca6-7f8a-4a4d-7952-4660580c67a2",
    "auth_username": "gauravshetti4",
    "name": "gaurav",
    "super_user": false,
    "api_super_user": false,
    "email": "gauravshetti4@gmail.com"
  }
]
},
"admins": [
  "admin1234"
]
},
"status": {
  "i18n_message": "response.ok",
  "message": "OK"
}
}

```

HTTP REQUEST: POST

POST /api/1.0/org/{orgId}/permissions/project/{projectId}/cube/{cubeId}

URI PARAMETERS

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

orgId	string	The Organization ID (UUID) for which you are querying.
projectId	string	The Project ID for which you are querying
cubeId	string	The Cube ID for which you are querying

RESPONSES

Code	Description
200	Success.
401	This error will occur if calling user does not have access right for the API.
404	This error will occur if calling user does not have access right for the API.
500	A server error occurred. Check the logs for more details.
503	This error will occur if Design Center APIs are not enabled.

Request Body

```
{
  "designtime_permission_matrix": {
    "b9f64bf0-a599-49fb-7ddd-0dc0a73f86c0": [
      "cube.read",
      "cube.update",
      "cube.delete"
    ]
  },
  "runtime_user_permission_matrix": {
    "42ee6ae8-8884-4fd3-7275-a950cda0de71": [
      "cube.query",
      "cube.ctas"
    ],
    "b9f64bf0-a599-49fb-7ddd-0dc0a73f86c0": [
      "cube.query",
      "cube.ctas"
    ],
    "c3a4d0a1-b78f-47c9-5612-c7d085c098ac": [
      "cube.ctas"
    ]
  },
  "exclusive_access_run_time": false,
  "exclusive_access_design_time": false
}
```

200 Reponse Body

```
{
  "response": "Successfully updated the permissions",
  "status": {
    "i18n_message": "response.ok",
    "message": "OK"
  }
}
```

Create

HTTP REQUEST: POST

Create a new Cube by specifying the Organization ID and Project ID where it should be added.

POST /api/1.0/org/{orgId}/project/{projectId}/cube/create**URI PARAMETERS**

Name	Type	Description
orgId	string	ID of the organization where you want to create a cube
projectId	string	ID of the project where you want to create a cube

QUERY PARAMETERS

Name	Type	Description
name	string	Name for the new cube
description	string	Description for the new cube
inclusive-access	string	true / false

RESPONSES

Code	Description
200	Success.
401	This error will occur if calling user does not have access right for the API.
404	This error will occur if the org identified by orgId does not exist.
500	A server error occurred. Check the logs for more details.

Request Body

```
{
  "name": "My new cube",
  "description": "My new cube created via API call",
  "inclusive-access": "true"
}
```

200 Reponse Body

```
{
  "status": {
    "i18n_message": "response.ok",
    "message": "OK"
  },
  "response": {
    "id": "a97bf0d8-e04a-4336-4fdc-ed1fda53f949",
    "name": "My new cube",
    "properties": {
      "description": "My new cube created via API call",
      "caption": "My new Cube",
      "visible": true
    }
  }
}
```

Copy

HTTP REQUEST: POST

Copy an existing Cube by specifying its ID, and the corresponding Organization ID and Project ID.

```
POST /api/1.0/org/{orgId}/project/{projectId}/cube/{cubeId}/copy
```

URI PARAMETERS

Name	Type	Description
orgId	string	The Organization ID of the cube you want to copy
projectId	string	The Project ID of the cube you want to copy
cubeId	string	ID of the cube you want to copy

QUERY PARAMETERS

Name	Type	Description
name	string	Name for the copied cube
description	string	Description for the copied cube
inclusive-access	string	true / false
copy-security	boolean	true / false

RESPONSES

Code	Description
200	Success.
401	This error will occur if calling user does not have access right for the API.
404	This error will occur if the org identified by orgId does not exist.
500	A server error occurred. Check the logs for more details.

Request Body

```
{
  "name": "My new cube - copy",
  "description": "Copy of My new cube, to be used for testing",
  "inclusive-access": "true",
  "copy-security": false
}
```

200 Reponse Body

```
{
  "status": {
    "i18n_message": "response.ok",
  }
}
```

```

  "message": "OK"
},
"response": {
  "id": "fa7e1978-2333-4eda-5d15-c22059cb98e6",
  "name": "My new cube - copy",
  "properties": {
    "description": "Copy of My new cube, to be used for testing",
    "caption": "My new cube - copy",
    "visible": true
  },
  "attributes": {},
  "dimensions": {},
  "actions": {
    "properties": {
      "include-default-drill-through": true
    }
  },
  "data-sets": {
    "data-set-ref": [
      {
        "uuid": "ca79f3c4-b16d-4aa6-67e6-5c12ef3117ed",
        "id": "bd58eed7-ef4f-416f-6d06-0ee463263072",
        "properties": {
          "allow-aggregates": true,
          "create-hinted-aggregate": false,
          "aggregate-destinations": null
        },
        "logical": {
          "key-ref": [
            {
              "id": "1f63a7d7-b86d-4965-96b3-b4d998726a73",
              "unique": false,
              "complete": "false",
              "column": [
                "customerkey"
              ]
            }
          ]
        }
      }
    ]
  }
}
]

```

```

    },
    "calculated-members": {},
    "aggregates": {}
  }
}

```

Update & Delete

To update or delete a cube, you need to perform these calls with a user that has sufficient permissions on organization, project, and cube level. For details, see the main AtScale documentation: [Managing AtScale > Managing User Access and Security > Granting Design-Time and Runtime Permissions on Cubes to Individual Users](#).

HTTP REQUEST: PATCH

Change the name and description an existing Cube by specifying its ID, and the corresponding Organization ID and Project ID.

```
PATCH/api/1.0/org/{orgId}/project/{projectId}/cube/{cubeId}
```

URI PARAMETERS

Name	Type	Description
orgId	string	The Organization ID for which you want to update a cube
projectId	string	The Project ID for which you want to update a cube
cubeId	string	ID of the cube you want to update

QUERY PARAMETERS

Name	Type	Description
name	string	New name of the specified cube
description	string	New description of the specified cube

RESPONSES

Code	Description
200	Success.
401	This error will occur if calling user does not have access right for the API.
404	This error will occur if the org identified by orgId does not exist.
500	A server error occurred. Check the logs for more details.

Request Body

```
{
  "name": "New name for my Cube",
  "description": "New description for my Cube"
}
```

200 Reponse Body

```
{
  "status": {
    "i18n_message": "response.ok",
    "message": "OK"
  },
  "response": "a97bf0d8-e04a-4336-4fdc-ed1fda53f949"
}
```

HTTP REQUEST: DELETE

Remove an existing Cube by specifying its ID, and the corresponding Organization ID and Project ID.

```
DELETE/api/1.0/org/{orgId}/project/{projectId}/cube/{cubeId}
```

URI PARAMETERS

Name	Type	Description
orgId	string	The Organization ID for which you want to remove a cube
projectId	string	The Project ID for which you want to remove a cube

cubeld

string

ID of the cube you want to remove

RESPONSES

Code	Description
200	Success.
401	This error will occur if calling user does not have access right for the API.
404	This error will occur if the org identified by orgId does not exist.
500	A server error occurred. Check the logs for more details.

200 Reponse Body

```
{
  "status": {
    "i18n_message": "response.ok",
    "message": "OK"
  },
  "response": "fa7e1978-2333-4eda-5d15-c22059cb98e6"
}
```