

4.35 Selection Object Service

Selection Object Service

- [Create a new selection object](#)
- [Get the selection object details](#)
- [Get all selection objects of the project](#)
- [Delete the selection object](#)

Selection Object Service

Selection Objects are the primary components to help better organize full or partial selections of the project objects.

Please see the detailed structure of the issue in the [Object Model](#)

Create a new selection object

URL / Resource / JSON Structure

Resource: projects/<project_id>/exportobjects

URL: https://api-stage.bimplus.net/v2/<team_slug>/projects/<project_id>/selections

Example: <https://api-stage.bimplus.net/v2/bimplus/projects/ceac9b1e-31d9-4c5f-bd78-f909767b7b01/selections>

JSON Structure: The structure of the Selection objects is the same like the structure of the object for [Export Object](#)

Optionally there is an opportunity to mark selection object validity just for one use with the 'singleuse' (default is null or false) attribute. The created selection for a single use ("singleuse": true) attribute selection object will be automatically deleted when the selection id is used on any of the API services where it is possible to use a selection id (Including services for example: Objects, Revision comparisons, Locks, Geometries, Clash filters).

HTTP Method

POST

Description

Creates a new selection object

Request

Headers
Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088 Content-Type: application/json

JSON

```
{
  "divisionId":"371D0C5F-87A1-42CF-BF43-6FE6123EBE00",
  "type":"Topology",
  "singleuse": false,
  "topology":{
    "layers":[{
      "id":"33826b01-c267-4b25-9f8e-79ac2953c443",
      "divisionId":"1B52B5F7-1B2D-461A-AA9B-6F55C8889241"
    }
  ],
  "topology":[{
    "id":"522e3cc1-c6d4-441c-974c-becfcb51cd14"
  },
  {
    "id":"02583ba2-f7da-4f3a-a2b0-976d98415740"
  }
]
}
```

Response

Status

Status: 201 Created

JSON

```
{
  "id": "e9eb4f1a-827a-4c19-ae56-e91c4f2988b1",
  "projectId": "3f6de86b-0bef-4146-847c-aa21afad6cfa",
  "divisionid": "371d0c5f-87a1-42cf-bf43-6fe6123ebe00",
  "singleuse": false,
  "type": "Topology",
  "elements": null,
  "topology": {
    "camera": null,
    "topology": [{
      "id": "522e3cc1-c6d4-441c-974c-becfcb51cd14",
      "visible": false,
      "opaque": false,
      "opacity": 0
    },
    {
      "id": "02583ba2-f7da-4f3a-a2b0-976d98415740",
      "visible": false,
      "opaque": false,
      "opacity": 0
    }
  ],
  "layers": [{
    "revision": 0,
    "id": "33826b01-c267-4b25-9f8e-79ac2953c443",
    "name": null,
    "divisionId": "1b52b5f7-1b2d-461a-aa9b-6f55c8889241",
    "divisionName": null,
    "visible": false,
    "opaque": false,
    "opacity": 0
  }
],
  "filter": null,
  "structure": null
}
```

Get the selection object details

URL / Resource / JSON Structure

Resource: selections/<object_id>

URL: https://api-stage.bimplus.net/v2/<team_slug>/selections/<object_id>

Example: <https://api-stage.bimplus.net/v2/bimplus/selections/e9eb4f1a-827a-4c19-ae56-e91c4f2988b1>

Optional query parameters

HTTP Method

GET

Description

Gets the details of the specified selection object.

Request

Headers
Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088 Content-Type: application/json

Response

Status
Status: 200 OK

In general, the response json has following format :

```
{
  "id": "e9eb4f1a-827a-4c19-ae56-e91c4f2988b1",
  "projectId": "3f6de86b-0bef-4146-847c-aa21afad6cfa",
  "divisionid": "371d0c5f-87a1-42cf-bf43-6fe6123ebe00",
  "singleuse": false,
  "type": "Topology",
  "elements": null,
  "topology": {
    "camera": null,
    "topology": [
      {
        "id": "522e3cc1-c6d4-441c-974c-becfcb51cd14",
        "visible": false,
        "opaque": false,
        "opacity": 0
      },
      {
        "id": "02583ba2-f7da-4f3a-a2b0-976d98415740",
        "visible": false,
        "opaque": false,
        "opacity": 0
      }
    ]
  },
  "layers": [
    {
      "revision": 0,
      "id": "33826b01-c267-4b25-9f8e-79ac2953c443",
      "name": null,
      "divisionId": "1b52b5f7-1b2d-461a-aa9b-6f55c8889241",
      "divisionName": null,
      "visible": false,
      "opaque": false,
      "opacity": 0
    }
  ],
  "filter": null,
  "structure": null
}
```

Get all the selection objects of the project

URL / Resource / JSON Structure

Resource: projects/<project_id>/exportobjects

URL: https://api-stage.bimplus.net/v2/<team_slug>/projects/<project_id>/exportobjects

Example: <https://api-stage.bimplus.net/v2/bimplus/projects/ceac9b1e-31d9-4c5f-bd78-f909767b7b01/exportobjects>

HTTP Method

GET

Description

Get all the selection objects of a specified project.

Request

Headers
Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088 Content-Type: application/json

Response

Status
Status: 200 OK

JSON
<pre>[{ "id": "e9eb4f1a-827a-4c19-ae56-e91c4f2988b1", "projectId": "3f6de86b-0bef-4146-847c-aa21afad6cfa", "divisionid": "371d0c5f-87a1-42cf-bf43-6fe6123ebe00", "singleuse": false, "type": "Topology", "elements": null, "topology": { "camera": null, "topology": [{ "id": "522e3cc1-c6d4-441c-974c-becfcb51cd14", "visible": false, "opaque": false, "opacity": 0 }, { "id": "02583ba2-f7da-4f3a-a2b0-976d98415740", "visible": false, "opaque": false, "opacity": 0 }] }, "layers": [{ "revision": 0, "id": "33826b01-c267-4b25-9f8e-79ac2953c443", "name": null, "divisionId": "1b52b5f7-1b2d-461a-aa9b-6f55c8889241", "divisionName": null, "visible": false, "opaque": false, "opacity": 0 }] }, "filter": null, "structure": null }, { "id": "3f5125db-8fe1-47a5-980d-96ebf62e52d4", "projectId": "3f6de86b-0bef-4146-847c-aa21afad6cfa", "divisionid": "371d0c5f-87a1-42cf-bf43-6fe6123ebe00", "singleuse": false, "type": "Topology",</pre>

```
"elements":null,
"topology":{
  "camera":null,
  "topology":[{
    "id":"522e3cc1-c6d4-441c-974c-becfcb51cd14",
    "visible":false,
    "opaque":false,
    "opacity":0
  },
  {
    "id":"02583ba2-f7da-4f3a-a2b0-976d98415740",
    "visible":false,
    "opaque":false,
    "opacity":0
  }
],
"layers":[{
  "revision":0,
  "id":"33826b01-c267-4b25-9f8e-79ac2953c443",
  "name":null,
  "divisionId":"1b52b5f7-1b2d-461a-aa9b-6f55c8889241",
  "divisionName":null,
  "visible":false,
  "opaque":false,
  "opacity":0
}]
},
"filter":null,
"structure":null
}
```

Delete the selection object

URL / Resource / JSON Structure

Resource: selections/<object_id>

URL: https://api-stage.bimplus.net/v2/<team_slug>/selections/<object_id>

Example: <https://api-stage.bimplus.net/v2/bimplus/selections/ceac9b1e-31d9-4c5f-bd78-f909767b7b01>

HTTP Method

DELETE

Description

Deletes a specified selection object.

Request

Headers

Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088
Content-Type: application/json

Response

Status

Status: 200 OK