

4.28 Object Navigator / Object Filter Service

Object Navigator / Object Filter Service

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Object Navigator / Object Filter Service

Get the predefined filters that belongs to a projects & discipline

URL / Resource / JSON Structure

Resource: settings/filters

URL: https://api-stage.bimplus.net/v2/<team_slug>/settings/filters?object_id=<discipline_id>&project_id=<project_id>

Example: https://api-stage.bimplus.net/v2/bimplus/settings/filters?object_id=0f106af0-a919-44c5-b211-15bd5ef620b6&project_id=5cd37c77-d341-4ab2-9f0d-44467955b218

HTTP Method

GET

Description

Get the predefined filters that belongs to a projects & discipline

Request

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

Response

Status
Status: 200 OK

JSON

```
[
  {
    "disciplineID": "0f106af0-a919-44c5-b211-15bd5ef620b6",
    "name": "Buildingelement Type",
    "filterString": "[I]tabAttribElement.DivisionID[I]tabAttribElement.ElementTyp",
    "id": "954ec08b-5c55-4f86-9d01-d49cc3b2f666"
  },
  {
    "disciplineID": "0f106af0-a919-44c5-b211-15bd5ef620b6",
    "name": "Buildingelement Name",
    "filterString": "[I]tabAttribElement.DivisionID[I]tabAttribGeneral.Name",
    "id": "d465bdc3-a3c7-469e-a0a9-25da81cd293e"
  },
  {
    "disciplineID": "0f106af0-a919-44c5-b211-15bd5ef620b6",
    "name": "Buildingelement Type/Name",
    "filterString": "[I]tabAttribElement.DivisionID[I]tabAttribElement.ElementTyp[I]tabAttribGeneral.Name",
    "id": "ed2d009a-f90a-4001-9b17-45a414bca1d7"
  },
  {
    "disciplineID": "0f106af0-a919-44c5-b211-15bd5ef620b6",
    "name": "Buildingelement Name/Type",
    "filterString": "[I]tabAttribElement.DivisionID[I]tabAttribGeneral.Name[I]tabAttribElement.ElementTyp",
    "id": "8ba9fa06-69e2-4f18-afee-4acfa01bae6e"
  }
]
```

Get the building objects/elements using the filter

URL / Resource / JSON Structure

Resource: filters/<filter_id>

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

Example: <https://api-stage.bimplus.net/v2/bimplus/projects/5cd37c77-d341-4ab2-9f0d-44467955b218/filters/ed2d009a-f90a-4001-9b17-45a414bca1d7>

Optional query parameters

Name	Type	Default value	Description
topology	boolean	false	When query parameter "topology=true" is defined, the API call will returns objects/elements a particular filter id also with topology nodes.

HTTP Method

GET

Description

Get the building objects/elements using a particular filter id

Request

Headers

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

Response

Status
Status: 200 OK

Status: 200 OK

```

{
  "structureDepth": 4,
  "structure": {
    "parent": null,
    "name": "Buildingelement Type/Name",
    "type": "Structure",
    "children": [
      {
        "parent": "ae647490-054c-45d9-a348-122fba25bd3d",
        "name": "Model1",
        "type": "Structure",
        "children": [
          {
            "parent": "3c80b75f-7ffd-423e-985e-08245192a403",
            "name": "Wall",
            "type": "Structure",
            "children": [
              {
                "parent": "27d76576-ad75-4704-81b3-a55f509818fe",
                "name": "Wall",
                "type": "Structure",
                "children": [
                  {
                    "parent": "9bf57f0e-9d29-4e02-bd04-ade4d0883643",
                    "name": "Wall",
                    "type": "ID_ArchWall",
                    "children": [],
                    "count": 1,
                    "level": 4,
                    "nodeInfo": "b539790e-2ffc-43cd-9582-b4aa27b36693;10074eef-9418-4d64-9c6d-23932835a7f1;Wall;20986a50-c2ed-4eae-8970-0003c1d21952",
                    "id": "20986a50-c2ed-4eae-8970-0003c1d21952"
                  },
                  {
                    "parent": "9bf57f0e-9d29-4e02-bd04-ade4d0883643",
                    "name": "Wall",
                    "type": "ID_ArchWall",
                    "children": [],
                    "count": 1,
                    "level": 4,
                    "nodeInfo": "b539790e-2ffc-43cd-9582-b4aa27b36693;10074eef-9418-4d64-9c6d-23932835a7f1;Wall;c38c8afa-161f-42d8-8af4-018f9e4f072a",
                    "id": "c38c8afa-161f-42d8-8af4-018f9e4f072a"
                  }
                ]
              }
            ]
          }
        ]
      }
    ]
  },
  ...
}

```

```
{
  "structureDepth": 4,
  "structure": {
    "parent": null,
    "name": "Buildingelement Type/Name",
    "type": "Structure",
    "children": [
      {
        "parent": "ae647490-054c-45d9-a348-122fba25bd3d",
        "name": "Model1",
        "type": "Structure",
        "children": [
          {
            "parent": "3c80b75f-7ffd-423e-985e-08245192a403",
            "name": "Wall",
            "type": "Structure",
            "children": [
              {
                "parent": "27d76576-ad75-4704-81b3-a55f509818fe",
                "name": "Wall",
                "type": "Structure",
                "children": [
                  {
                    "parent": "9bf57f0e-9d29-4e02-bd04-ade4d0883643",
                    "name": "Wall",
                    "type": "ID_ArchWall",
                    "children": [],
                    "count": 1,
                    "level": 4,
                    "nodeInfo": "b539790e-2ffc-43cd-9582-b4aa27b36693;10074eef-9418-4d64-9c6d-23932835a7f1;Wall;20986a50-c2ed-4eae-8970-0003c1d21952",
                    "id": "20986a50-c2ed-4eae-8970-0003c1d21952"
                  },
                  {
                    "parent": "9bf57f0e-9d29-4e02-bd04-ade4d0883643",
                    "name": "Wall",
                    "type": "ID_ArchWall",
                    "children": [],
                    "count": 1,
                    "level": 4,
                    "nodeInfo": "b539790e-2ffc-43cd-9582-b4aa27b36693;10074eef-9418-4d64-9c6d-23932835a7f1;Wall;c38c8afa-161f-42d8-8af4-018f9e4f072a",
                    "id": "c38c8afa-161f-42d8-8af4-018f9e4f072a"
                  }
                ]
              }
            ]
          }
        ]
      }
    ]
  }
}
```

Get the one filter

URL / Resource / JSON Structure

Resource: settings/filters

URL: <https://api-stage.bimplus.net/v2/<team slug>/settings/filters<filters id>>

Example: <https://api-stage.bimplus.net/v2/bimplus/settings/filters/6cf16e42-160a-4979-be52-a47d9f4b57d2>

HTTP Method

GET

Description

Get the one filter

Request

Headers

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

Response

Status

Status: 200 OK

JSON

```
{
  "disciplineID": "ED51EC38-2BE6-43D2-8DA4-C34CBFA808A1",
  "name": "Sprinkler Name",
  "filterString": "[I]tabAttribElement.DivisionID[I]tabAttribGeneral.Name",
  "isDefault": true,
  "disableSortByModels": false,
  "id": "6cf16e42-160a-4979-be52-a47d9f4b57d2"
}
```

Create a new custom object filter

URL / Resource / JSON Structure

Resource: settings/filter

URL: https://api-stage.bimplus.net/v2/<team_slug>/settings/filter?project_id=<project_id>

Example: https://api-stage.bimplus.net/v2/bimplus/settings/filter?project_id=5cd37c77-d341-4ab2-9f0d-44467955b218

Optional query parameters:

Name	Type	Description
project_id	string(guid)	When query parameter "project_id" is defined, the created custom filter will be assigned only to requested project

JSON Structure:

Name	Mandatory / Optional	Type	Description
disciplineID	mandatory	string(guid)	Id of the layer/discipline
name	mandatory	string	Name of the filter
filterString	mandatory	string	Id of the object attribute in this format [Attribute_ID].Value

HTTP Method

POST

Description

Creates a new user's object filter.

Request

Headers

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

JSON

```
{
  "disciplineID" : "0F106AF0-A919-44C5-B211-15BD5EF620B6",
  "name" : "Custom Filter",
  "filterString" : "[ae647490-054c-45d9-a348-122fba25bd3d].Value"
}
```

Response

Status

Status: 201 Created

JSON

```
{
  "id" : "10074EEF-9418-4D64-9C6D-23932835A7F1",
  "disciplineID" : "0F106AF0-A919-44C5-B211-15BD5EF620B6",
  "name" : "Custom Filter",
  "filterString" : "[ae647490-054c-45d9-a348-122fba25bd3d].Value"
}
```

Update object filter

URL / Resource / JSON Structure

Resource: settings/filter

URL: https://api-stage.bimplus.net/v2/<team_slug>/settings/filter?project_id=<project_id>

Example: https://api-stage.bimplus.net/v2/bimplus/settings/filter?project_id=5cd37c77-d341-4ab2-9f0d-44467955b218

Optional query parameters:

Name	Type	Description
project_id	string(guid)	When query parameter "project_id" is defined, the updated custom filter will be assigned only to requested project

JSON Structure:

Name	Mandatory / Optional	Type	Description
id	mandatory	guid	Filter Id
disciplineID	mandatory	string(guid)	Id of the layer/discipline
name	mandatory	string	Name of the filter
filterString	mandatory	string	Id of the object attribute in this format [Attribute_ID].Value

HTTP Method

PUT

Description

Update existing object filter

Request

Headers
Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088 Content-Type: application/json
JSON
{ "id" : "10074EEF-9418-4D64-9C6D-23932835A7F1", "disciplineID" : "0F106AF0-A919-44C5-B211-15BD5EF620B6", "name" : "Custom Filter", "filterString" : "[ae647490-054c-45d9-a348-122fba25bd3d].Value" }

Response

Status
Status: 200 OK
JSON
{ "id" : "10074EEF-9418-4D64-9C6D-23932835A7F1", "disciplineID" : "0F106AF0-A919-44C5-B211-15BD5EF620B6", "name" : "Custom Filter", "filterString" : "[ae647490-054c-45d9-a348-122fba25bd3d].Value" }