

4.29 Bimplus Windows Explorer related Services

Bimplus Windows Explorer related Services

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Bimplus Windows Explorer related Services

Bimplus Windows Explorer is the Windows desktop application AEC professionals and BIM managers use to upload, manage and analyze building information on the Bimplus platform for use by all contributors to your construction project. For more information please see [here](#)

Create a new objectview

URL / Resource / JSON Structure

Resource: objectlist

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

Example: <https://api-stage.bimplus.net/v2/bimplus/objectlist>

JSON Structure:

Name	Mandatory / Optional	Type	Description
elementsId	mandatory	object	List of elements id
columnsList	mandatory	object	List of columns
tableName	mandatory	string	Name of the resource
columnName	optional	string	Name of the property
freeAttribId	optional	string(guid)	Id of the used free attribute

HTTP Method

POST

Description

Create a new objectview

Request

Headers

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

JSON

```
{
  "elementsId": [
    "8506156B-F965-4D51-9DD1-01D0C300601E",
    "CF9E6219-2962-4F21-B1DD-01DC4AB902E9",
    "1A8BF9BF-C912-4E2C-A633-F9BDEF46EB91"
  ],
  "columnsList": [
    {
      "tableName": "general",
      "columnName": "Name",
      "freeAttribId": null
    },
    {
      "tableName": "general",
      "columnName": "Description",
      "freeAttribId": null
    },
    {
      "tableName": "quantity",
      "columnName": "Length",
      "freeAttribId": null
    },
    {
      "tableName": "quantity",
      "columnName": "Height",
      "freeAttribId": null
    },
    {
      "tableName": "element",
      "columnName": "ElementTyp",
      "freeAttribId": null
    },
    {
      "tableName": "element",
      "columnName": "DivisionID",
      "freeAttribId": null
    },
    {
      "tableName": "stringattrib",
      "columnName": "",
      "freeAttribId": "C3071F78-2ACA-46D9-9883-13F5184EC499"
    },
    {
      "tableName": "doubleattrib",
      "columnName": "",
      "freeAttribId": "8D3D9DD5-C998-465B-B13E-87901C90F3BC"
    }
  ]
}
```

Response

Status

Status: 201 CREATED

JSON

```
{
  "elementsId": [
    "8506156B-F965-4D51-9DD1-01D0C300601E",
    "CF9E6219-2962-4F21-B1DD-01DC4AB902E9",
    "1A8BF9BF-C912-4E2C-A633-F9BDEF46EB91"
  ],
  "columnsList": [
    {
      "tableName": "general",
      "columnName": "Name",
      "freeAttribId": null
    },
    {
      "tableName": "general",
      "columnName": "Description",
      "freeAttribId": null
    },
    {
      "tableName": "quantity",
      "columnName": "Length",
      "freeAttribId": null
    },
    {
      "tableName": "quantity",
      "columnName": "Height",
      "freeAttribId": null
    },
    {
      "tableName": "element",
      "columnName": "ElementTyp",
      "freeAttribId": null
    },
    {
      "tableName": "element",
      "columnName": "DivisionID",
      "freeAttribId": null
    },
    {
      "tableName": "stringattrib",
      "columnName": "",
      "freeAttribId": "C3071F78-2ACA-46D9-9883-13F5184EC499"
    },
    {
      "tableName": "doubleattrib",
      "columnName": "",
      "freeAttribId": "8D3D9DD5-C998-465B-B13E-87901C90F3BC"
    }
  ]
}
```

Get the list of target objects(objectviews) which will be populated in the "Object Navigator List"

URL / Resource / JSON Structure

Resource: objectview

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

Example: <https://api-stage.bimplus.net/v2/bimplus/objectviews>

HTTP Method

GET

Description

Get the list of target objectviews which will be populated in the "Object Navigator List"

Request

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

Response

Status
Status: 200 OK

JSON

```
[
  {
    "viewname": "onProjectElements_Building",
    "resourcenameid": "Category.ElementBuilding",
    "iconid": "IconArchitectureWall",
    "sortcolumns": null,
    "projectfilter": null,
    "objectname": "Element",
    "ordernr": 21
  },
  {
    "viewname": "onProjectElements_Room",
    "resourcenameid": "Category.ElementRoom",
    "iconid": "IconArchitectureRoom",
    "sortcolumns": null,
    "projectfilter": null,
    "objectname": "Element",
    "ordernr": 22
  },
  {
    "viewname": "onProjectElements_Finish",
    "resourcenameid": "Category.ElementFinish",
    "iconid": "IconRoofLayer",
    "sortcolumns": null,
    "projectfilter": null,
    "objectname": "Element",
    "ordernr": 23
  },
  {
    "viewname": "onProjectElements_Reinforcement",
    "resourcenameid": "Category.Reinforcement",
    "iconid": "IconReinforcement",
    "sortcolumns": null,
    "projectfilter": null,
    "objectname": "Element",
    "ordernr": 24
  },
  {
    "viewname": "onProjectElements_Mesh",
    "resourcenameid": "Category.Mesh",
    "iconid": "IconMesh",
    "sortcolumns": null,
    "projectfilter": null,
    "objectname": "Element",
    "ordernr": 25
  },
  {
    "viewname": "onProjectElements_Precast",
    "resourcenameid": "Category.PrecastElement",
```

```

        "iconid": "IconPrecastUnit",
        "sortcolumns": null,
        "projectfilter": null,
        "objectname": "Element",
        "ordernr": 27
    },
    {
        "viewname": "onProjectElements_PrecastTimber",
        "resourcenamewidth": "Category.ElementPrecastTimber",
        "iconid": "IconFolder",
        "sortcolumns": null,
        "projectfilter": null,
        "objectname": "Element",
        "ordernr": 28
    },
    {
        "viewname": "onProjectElements_MEP",
        "resourcenamewidth": "Category.ElementMEP",
        "iconid": "IconFolder",
        "sortcolumns": null,
        "projectfilter": null,
        "objectname": "Element",
        "ordernr": 29
    },
    {
        "viewname": "onProjectElements_Plumbing",
        "resourcenamewidth": "Category.ElementPlumbing",
        "iconid": "IconFolder",
        "sortcolumns": null,
        "projectfilter": null,
        "objectname": "Element",
        "ordernr": 30
    },
    {
        "viewname": "onProjectElements_Electricity",
        "resourcenamewidth": "Category.ElementElectricity",
        "iconid": "IconFolder",
        "sortcolumns": null,
        "projectfilter": null,
        "objectname": "Element",
        "ordernr": 32
    },
    {
        "viewname": "onProjectElements_Mechanical",
        "resourcenamewidth": "Category.ElementMechanical",
        "iconid": "IconFolder",
        "sortcolumns": null,
        "projectfilter": null,
        "objectname": "Element",
        "ordernr": 34
    },
    {
        "viewname": "onProjectElements_Construction",
        "resourcenamewidth": "Category.ElementConstruction",
        "iconid": "IconFolder",
        "sortcolumns": null,
        "projectfilter": null,
        "objectname": "Element",
        "ordernr": 35
    },
    {
        "viewname": "onProjectElements_Terrain",
        "resourcenamewidth": "Category.ElementTerrain",
        "iconid": "IconFolder",
        "sortcolumns": null,
        "projectfilter": null,
        "objectname": "Element",
        "ordernr": 36
    },
    {
        "viewname": "onProjectElements_Inventory",

```

```

        "resourcenameid": "Category.ElementInventory",
        "iconid": "IconFolder",
        "sortcolumns": null,
        "projectfilter": null,
        "objectname": "Element",
        "ordernr": 37
    },
    {
        "viewname": "onProjectElements_Structural",
        "resourcenameid": "Category.ElementStructural",
        "iconid": "IconFolder",
        "sortcolumns": null,
        "projectfilter": null,
        "objectname": "Element",
        "ordernr": 38
    },
    {
        "viewname": "onProjectElements_Clash",
        "resourcenameid": "Category.Collision",
        "iconid": "IconCollision",
        "sortcolumns": null,
        "projectfilter": null,
        "objectname": "Collision",
        "ordernr": 39
    },
    {
        "viewname": "onProjectIssues",
        "resourcenameid": "Category.Issue",
        "iconid": "IconIssue",
        "sortcolumns": null,
        "projectfilter": null,
        "objectname": "Issue",
        "ordernr": 41
    }
}
]

```

Get information about an "Object Navigator" item (objectview)

URL / Resource / JSON Structure

Resource: objectviews/<objectview_name>

URL: https://api-stage.bimplus.net/v2/<team_slug>/objectviews/<objectview_name>

Example: https://api-stage.bimplus.net/v2/bimplus/objectviews/onProjectElements_Building

HTTP Method

GET

Description

Get information about a particular objectview

Request

Headers

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

Response

Status

Status: 200 OK

JSON

```
[
  {
    "viewname": "onProjectElements_Building",
    "resourcenameid": "Category.ElementBuilding",
    "iconid": "IconArchitectureWall",
    "sortcolumns": null,
    "projectfilter": null,
    "objectname": "Element",
    "ordernr": "21"
  }
]
```

Get the properties of the object (objectview)

URL / Resource / JSON Structure

Resource: objectviews/<objectview_name>/properties

URL: https://api-stage.bimplus.net/v2/<team_slug>/objectviews/<objectview_name>/properties

Example: https://api-stage.bimplus.net/v2/bimplus/objectviews/onProjectElements_Building/properties

HTTP Method

GET

Description

Get the properties of a particular objectview

Request

Headers

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

Response

Status

Status: 200 OK

JSON

```
[
  {
    "name": "ObjectID",
    "ordernr": 1,
    "datatype": "uniqueidentifier",
    "isdefault": null,
    "categorynameid": null,
    "resourcenameid": null,
    "proporder": null,
    "converter": null,
    "browsable": "false",
  }
]
```

```

        "iconid": null,
        "filterable": null
    },
    {
        "name": "Nr",
        "ordernr": 2,
        "datatype": "int",
        "isdefault": null,
        "categorynameid": "Category.General",
        "resourcenameid": null,
        "proporder": null,
        "converter": null,
        "browsable": null,
        "iconid": null,
        "filterable": null
    },
    {
        "name": "Name",
        "ordernr": 3,
        "datatype": "nvarchar",
        "isdefault": "true",
        "categorynameid": "Category.General",
        "resourcenameid": "Name",
        "proporder": null,
        "converter": "Converter_PPName",
        "browsable": null,
        "iconid": null,
        "filterable": null
    },
    {
        "name": "Description",
        "ordernr": 4,
        "datatype": "nvarchar",
        "isdefault": "true",
        "categorynameid": "Category.General",
        "resourcenameid": "Description",
        "proporder": null,
        "converter": null,
        "browsable": null,
        "iconid": null,
        "filterable": null
    },
    {
        "name": "DivisionID",
        "ordernr": 5,
        "datatype": "uniqueidentifier",
        "isdefault": null,
        "categorynameid": null,
        "resourcenameid": null,
        "proporder": null,
        "converter": null,
        "browsable": "false",
        "iconid": null,
        "filterable": null
    },
    {
        "name": "Division",
        "ordernr": 6,
        "datatype": "nvarchar",
        "isdefault": "true",
        "categorynameid": "Category.General",
        "resourcenameid": "Property.Model",
        "proporder": null,
        "converter": null,
        "browsable": null,
        "iconid": null,
        "filterable": null
    },
    {
        "name": "ModelType",
        "ordernr": 7,

```



```

        "datatype": "uniqueidentifier",
        "isdefault": "true",
        "categorynameid": "Category.General",
        "resourcenameid": "Property.Discipline",
        "proporder": null,
        "converter": "Converter_ElementType",
        "browsable": null,
        "iconid": null,
        "filterable": null
    },
    {
        "name": "ElementType",
        "ordernr": 8,
        "datatype": "uniqueidentifier",
        "isdefault": "true",
        "categorynameid": "Category.General",
        "resourcenameid": "Type",
        "proporder": null,
        "converter": "Converter_ElementType",
        "browsable": null,
        "iconid": null,
        "filterable": null
    },
    {
        "name": "Weight",
        "ordernr": 9,
        "datatype": "float",
        "isdefault": null,
        "categorynameid": "Category.Geometry",
        "resourcenameid": "Mass",
        "proporder": null,
        "converter": "Converter_Mass",
        "browsable": null,
        "iconid": null,
        "filterable": null
    },
    {
        "name": "Volume",
        "ordernr": 10,
        "datatype": "float",
        "isdefault": null,
        "categorynameid": "Category.Geometry",
        "resourcenameid": "Volume",
        "proporder": null,
        "converter": "Converter_Volume",
        "browsable": null,
        "iconid": null,
        "filterable": null
    },
    {
        "name": "Area",
        "ordernr": 11,
        "datatype": "float",
        "isdefault": null,
        "categorynameid": "Category.Geometry",
        "resourcenameid": "Area",
        "proporder": null,
        "converter": "Converter_Area",
        "browsable": null,
        "iconid": null,
        "filterable": null
    },
    {
        "name": "Length",
        "ordernr": 12,
        "datatype": "float",
        "isdefault": "true",
        "categorynameid": "Category.Geometry",
        "resourcenameid": "Element.Geometry.Length",
        "proporder": null,
        "converter": "Converter_Length",
    }

```

```

        "browsable": null,
        "iconid": null,
        "filterable": null
    },
    {
        "name": "Width",
        "ordernr": 13,
        "datatype": "float",
        "isdefault": "true",
        "categorynameid": "Category.Geometry",
        "resourcenameid": "Element.Geometry.Width",
        "proporder": null,
        "converter": "Converter_Length",
        "browsable": null,
        "iconid": null,
        "filterable": null
    }
]

```

Get the required object's(objectview's) details from input objectview list reference

URL / Resource / JSON Structure

Resource: objectviews/content

URL: https://api-stage.bimplus.net/v2/<team_slug>/objectviews/content

Example: <https://api-stage.bimplus.net/v2/bimplus/objectviews/content>

JSON Structure:

Name	Mandatory / Optional	Type	Description
name	mandatory	string	Name of the resource/objectview
elementsguid	optional	object	List of object id's whose details has to be found
filter	optional	object	The properties that could be used as filters

HTTP Method

POST

Description

Get the required objectview's details from input object list reference

Request

Headers

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

JSON

```
{
  "name": "onProjectElements_Building",
  "elementsguid": [
    "1F3E2F56-A94F-4486-97F5-21ACDF7A76AE",
    "54978C4C-B18B-4420-819D-405234FC11B4",
    "EB0472BE-1353-4E47-BE76-875924E0586F"
  ],
  "filter": [
    "ObjectId",
    "DivisionId",
    "Name",
    "Width",
    "ElementTyp"
  ]
}
```

Response

Status

Status: 200 OK

JSON

```
[
  {
    "objectid": "1f3e2f56-a94f-4486-97f5-21acdf7a76ae",
    "divisionid": "06a78b8f-c692-46d1-a16e-f878b6a86f17",
    "name": "Wall",
    "elementtyp": "10074eef-9418-4d64-9c6d-23932835a7f1",
    "width": 300
  },
  {
    "objectid": "54978c4c-b18b-4420-819d-405234fc11b4",
    "divisionid": "06a78b8f-c692-46d1-a16e-f878b6a86f17",
    "name": "Wall",
    "elementtyp": "10074eef-9418-4d64-9c6d-23932835a7f1",
    "width": 300
  },
  {
    "objectid": "eb0472be-1353-4e47-be76-875924e0586f",
    "divisionid": "06a78b8f-c692-46d1-a16e-f878b6a86f17",
    "name": "Wall",
    "elementtyp": "10074eef-9418-4d64-9c6d-23932835a7f1",
    "width": 300
  }
]
```

Delete the object view

URL / Resource / JSON Structure

Resource: objectviews/<objectview_id>

URL: https://api-stage.bimplus.net/v2/<team_slug>/objectviews/<objectview_id>

Example: <https://api-stage.bimplus.net/v2/bimplus/objectviews/0d2ce2cc-3588-45d6-a59a-f6b89ebed34e>

HTTP Method

DELETE

Description

Deletes a specified user defined view(object view).

Request

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

Response

Status
Status: 200 OK

Create a new hierarchy

URL / Resource / JSON Structure

Resource: usersettings/hierarchies/<hierarchy_id>

URL: https://api-stage.bimplus.net/v2/<team_slug>/hierarchies/<hierarchy_id>

Example: <https://api-stage.bimplus.net/v2/bimplus/hierarchies/aaaaa213-1a6e-4aa2-b032-d5aeb8f31c97>

JSON Structure:

Name	Mandatory / Optional	Type	Description
moduleId	mandatory	string(guid)	Guid of the module
objectId	mandatory	string(guid)	Guid of the object type
userId	mandatory	string(guid)	Guid of the user
category	optional	string	Name of the category(default is "ObjectNavigator")
oneExtendedData	mandatory	object	Additional information
valueKey	mandatory	string	key name
valueName	mandatory	string	Value of the key
value	mandatory	string	Content of stored value
isDefault	optional	boolean	Whether it is the default value
dataSmallInt	optional	integer	Additional info about the value

HTTP Method

POST

Description

Create a new hierarchy

Request

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

JSON

```
{
  "objectId": "1F15C447-E511-4FC1-940B-13639F973C52",
  "moduleId": "3e3b1ae3-8955-4c4e-803e-2d56a4a8e50d",
  "userId": "A612E213-1A6E-4AA2-B032-D5AEB8F31C97",
  "category": "ObjectNavigator",
  "oneExtendedData": {
    "valueKey": "[onProjectElements_Building]onProjectElements_Building",
    "valueName": "test xxx",
    "value": "[I]Name[I]Length[F][0]<1700[2]>=415[4]=0[10]AND[11]AND[12]AND[13]AND[14]AND",
    "isDefault": "0",
    "dataSmallInt": "1"
  }
}
```

Response

Status

Status: 200 OK

JSON

```
{
  "objectId": "1F15C447-E511-4FC1-940B-13639F973C52",
  "moduleId": "3e3b1ae3-8955-4c4e-803e-2d56a4a8e50d",
  "userId": "A612E213-1A6E-4AA2-B032-D5AEB8F31C97",
  "category": "ObjectNavigator",
  "oneExtendedData": {
    "valueKey": "[onProjectElements_Building]onProjectElements_Building",
    "valueName": "test xxx",
    "value": "[I]Name[I]Length[F][0]<1700[2]>=415[4]=0[10]AND[11]AND[12]AND[13]AND[14]AND",
    "isDefault": "0",
    "dataSmallInt": "1"
  }
}
```

Create a list of hierarchies

URL / Resource / JSON Structure

Resource: usersettings/hierarchies?\$operation=createlist

URL: [https://api-stage.bimplus.net/v2/<team_slug>/usersettings/hierarchies?\\$operation=createlist](https://api-stage.bimplus.net/v2/<team_slug>/usersettings/hierarchies?$operation=createlist)

Example: [https://api-stage.bimplus.net/v2/bimplus/usersettings/hierarchies?\\$operation=createlist](https://api-stage.bimplus.net/v2/bimplus/usersettings/hierarchies?$operation=createlist)

JSON Structure:

Name	Mandatory / Optional	Type	Description
moduleId	mandatory	string(guid)	Guid of the module
objectId	mandatory	string(guid)	Guid of the object type
userId	mandatory	string(guid)	Guid of the user
category	optional	string	Name of the category(default is "ObjectNavigator")
oneExtendedData	mandatory	object	Additional information
valueKey	mandatory	string	key name
valueName	mandatory	string	Value of the key
value	mandatory	string	Content of stored value

isDefault	optional	boolean	Whether it is the default value
dataSmallInt	optional	integer	Additional info about the value

HTTP Method

POST

Description

Create a new hierarchy

Request

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

JSON
<pre>{ "objectId": "1F15C447-E511-4FC1-940B-13639F973C52", "moduleId": "3e3b1ae3-8955-4c4e-803e-2d56a4a8e50d", "userId": "A612E213-1A6E-4AA2-B032-D5AEB8F31C97", "category": "ObjectNavigator", "extendedDataList": [{ "userSettingId": "1FABF447-E511-4FC1-940B-D5AEB8F31C97", "valueKey": "[onProjectElements_Building]onProjectElements_Building", "valueName": "pokus 001", "value": "[I]Name[I]Length[F][0]<7777[2]>=415[4]=0[10]AND[11]AND[12]AND[13]AND[14]AND", "isDefault": "false", "dataSmallInt": "1" }, { "userSettingId": "53AB1047-E611-4FC1-940B-D5AEB8F31012", "valueKey": "[onProjectElements_Building]onProjectElements_Building", "valueName": "pokus 002", "value": "[I]Name[I]Length[F][0]<2222[2]>=415[4]=0[10]AND[11]AND[12]AND[13]AND[14]AND", "isDefault": "false", "dataSmallInt": "1" }] }</pre>

Response

Status
Status: 200 OK

JSON

```
{
  "objectId": "1F15C447-E511-4FC1-940B-13639F973C52",
  "moduleId": "3e3b1ae3-8955-4c4e-803e-2d56a4a8e50d",
  "userId": "A612E213-1A6E-4AA2-B032-D5AEB8F31C97",
  "category": "ObjectNavigator",
  "extendedDataList": [
    {
      "userSettingId": "1FABF447-E511-4FC1-940B-D5AEB8F31C97",
      "valueKey": "[onProjectElements_Building]onProjectElements_Building",
      "valueName": "pokus 001",
      "value": "[I]Name[I]Length[F][0]<7777[2]>=415[4]=0[10]AND[11]AND[12]AND[13]AND[14]AND",
      "isDefault": "false",
      "dataSmallInt": "1"
    },
    {
      "userSettingId": "53AB1047-E611-4FC1-940B-D5AEB8F31012",
      "valueKey": "[onProjectElements_Building]onProjectElements_Building",
      "valueName": "pokus 002",
      "value": "[I]Name[I]Length[F][0]<2222[2]>=415[4]=0[10]AND[11]AND[12]AND[13]AND[14]AND",
      "isDefault": "false",
      "dataSmallInt": "1"
    }
  ]
}
```

Create a complete new hierarchy structure

URL / Resource / JSON Structure

Resource: services/applyhierarchy

URL: https://api-stage.bimplus.net/v2/<team_slug>/services/applyhierarchy

Example: <https://api-stage.bimplus.net/v2/bimplus/services/applyhierarchy>

JSON Structure:

Name	Mandatory / Optional	Type	Description
projectId	mandatory	string(guid)	Id of the project for which the structure will be created
userSettingId	mandatory	string(guid)	Id of the user settings required for the hierarchy definition
hierarchyDefinition	mandatory	string	Definition of the hierarchy
name	mandatory	string	Name of the hierarchy
description	optional	string	Description of the hierarchy
structureType	optional	string	Structure type
elementsId	optional	Array of strings(guid)	List of elements guid connected to the hierarchy structure

HTTP Method

POST

Description

Create a complete new hierarchy structure

Request

Headers

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

JSON

```
{
  "runAsync": "false",
  "applyHierarchy": {
    "projectId": "01c52808-6561-47f6-833e-b62d05da8a8e",
    "hierarchyDefinition": "[I]tabAttribGeneral.Name[I]tabAttribGeometry.Length[I] tabAttribGeometry.Width
[I][8807e401-6e3c-4536-88e1-e834d4de745d].Value",
    "name": "Navigator 1",
    "description": "Test for HierarchyNavigator",
    "structureType": "CostStructure",
    "elementsId": [
      "803312c0-26b6-49be-a607-4319f1b32383",
      "51FEF0FA-437B-4410-B9BE-39B9E15D440F",
      "71D472FD-96A5-4174-8A5A-460DEB8E88E1"
    ]
  }
}
```

Response

Status

Status: 201 CREATED

JSON

```
{
  "applyHierarchy": {
    "projectId": "01c52808-6561-47f6-833e-b62d05da8a8e",
    "hierarchyDefinition": "[I]tabAttribGeneral.Name[I]tabAttribGeometry.Length[I]tabAttribGeometry.Width
[I] [8807e401-6e3c-4536-88e1-e834d4de745d].Value",
    "name": "Navigator 1",
    "description": "Test for HierarchyNavigator",
    "structureType": "CostStructure",
    "elementsId": [
      "803312c0-26b6-49be-a607-4319f1b32383",
      "51fef0fa-437b-4410-b9be-39b9e15d440f",
      "71d472fd-96a5-4174-8a5a-460deb8e88e1"
    ],
    "result": {
      "projectId": "01c52808-6561-47f6-833e-b62d05da8a8e",
      "parentId": "01c52808-6561-47f6-833e-b62d05da8a8e",
      "name": "Navigator 1",
      "description": "Test for HierarchyNavigator",
      "type": "CostStructure",
      "nr": 45,
      "color": 0,
      "id": "dd71620e-af8f-4496-88a5-cc2be1f1747d"
    }
  },
  "runAsync": false
}
```


URL / Resource / JSON Structure

Resource: usersettings/hierarchies?moduleId=xxx;userId=yyy;category=zzz

URL: https://api-stage.bimplus.net/v2/<team_slug>/usersettings/hierarchies?moduleId=xxx;userId=yyy;category=zzz

Example: <https://api-stage.bimplus.net/v2/bimplus/usersettings/hierarchies?moduleId=3e3b1ae3-8955-4c4e-803e-2d56a4a8e50d;userId=a612e213-1a6e-4aa2-b032-d5aeb8f31c97;category=ObjectNavigator>

JSON Structure:

Name	Mandatory / Optional	Type	Description
moduleId	mandatory	guid	Id of the module
userId	mandatory	guid	Id of the user
category	optional	string	category name (default category is "ObjectNavigator")

HTTP Method

GET

Description

Get all the user hierarchies using the user & module information

Request

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

Response

Status
Status: 200 OK

JSON

```
[
  {
    "attribusersettingid": "511d2c35-d7a6-4e76-82f0-172a64c322b6",
    "objectid": "1f15c447-e511-4fc1-940b-13639f973c52",
    "module": "3e3b1ae3-8955-4c4e-803e-2d56a4a8e50d",
    "userid": "a612e213-1a6e-4aa2-b032-d5aeb8f31c97",
    "category": "ObjectNavigator",
    "isdefault": false,
    "valuekey": "[onProjectElements_Building]",
    "valuename": "onProjectElements_Building",
    "value": "Name[I]Description[I]Division[I]ModelType[I]ElementTyp[I]Length[I]Width",
    "datasmallint": null,
    "revision": null
  },
  {
    "attribusersettingid": "909c9802-a339-4a60-8fff-64ea495f6136",
    "objectid": "1f15c447-e511-4fc1-940b-13639f973c52",
    "module": "3e3b1ae3-8955-4c4e-803e-2d56a4a8e50d",
    "userid": "a612e213-1a6e-4aa2-b032-d5aeb8f31c97",
    "category": "ObjectNavigator",
    "isdefault": false,
    "valuekey": "[onProjectElements_Electricity]",
    "valuename": "onProjectElements_Electricity",
    "value": "Name[I]Description[I]Division[I]ModelType[I]ElementTyp[I]Length[I]Width",
    "datasmallint": null,
    "revision": null
  },
  {
    "attribusersettingid": "e4ca5278-98da-4809-9582-6815bbab2200",
    "objectid": "1f15c447-e511-4fc1-940b-13639f973c52",
    "module": "3e3b1ae3-8955-4c4e-803e-2d56a4a8e50d",
    "userid": "a612e213-1a6e-4aa2-b032-d5aeb8f31c97",
    "category": "ObjectNavigator",
    "isdefault": false,
    "valuekey": "[onProjectElements_MEP]",
    "valuename": "onProjectElements_MEP",
    "value": "Name[I]Description[I]Division[I]ModelType[I]ElementTyp[I]Weight[I]Length[I]Width",
    "datasmallint": 0,
    "revision": null
  }
]
```

Get the details of a hierarchy

URL / Resource / JSON Structure

Resource: usersettings/hierarchies/hierarchy_id>

URL: https://api-stage.bimplus.net/v2/<team_slug>/usersettings/hierarchies/hierarchy_id

Example: <https://api-stage.bimplus.net/v2/bimplus/usersettings/hierarchies/B39AD364-F049-42E3-A936-3FD2871EB4D4>

HTTP Method

GET

Description

Get information about a particular hierarchy

Request

Headers

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

Response

Status

Status: 200 OK

JSON

```
{
  "attribusersettingid": "b39ad364-f049-42e3-a936-3fd2871eb4d4",
  "objectid": "1f15c447-e511-4fc1-940b-13639f973c52",
  "module": "3e3b1ae3-8955-4c4e-803e-2d56a4a8e50d",
  "userid": "a612e213-1a6e-4aa2-b032-d5aeb8f31c97",
  "category": "ObjectNavigator",
  "isdefault": false,
  "valuekey": "[onProjectElements_Building]onProjectElements_Building",
  "valuename": "Hierarchie Nr.1",
  "value": "[I]Name[I]Length[F][0]<3000[2]>=215[4]=0[10]AND[11]AND[12]AND[13]AND[14]AND[I]Width[F][0]<1000[2]>400[10]AND[11]AND[12]AND[13]AND[14]AND",
  "datasmallint": 1,
  "revision": null
}
```

Get details about a list of hierarchies

URL / Resource / JSON Structure

Resource: usersettings/hierarchies?\$operation=getlist

URL: [https://api-stage.bimplus.net/v2/<team_slug>/usersettings/hierarchies?\\$operation=getlist](https://api-stage.bimplus.net/v2/<team_slug>/usersettings/hierarchies?$operation=getlist)

Example: [https://api-stage.bimplus.net/v2/bimplus/usersettings/hierarchies?\\$operation=getlist](https://api-stage.bimplus.net/v2/bimplus/usersettings/hierarchies?$operation=getlist)

JSON Structure:

Name	Mandatory / Optional	Type	Description
userSettingsListId	mandatory	object	List of hierarchy ids

HTTP Method

GET

Description

Get details about a list of hierarchies

Request

Headers

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

JSON

```
{
  "userSettingsListId": [
    "AAAAA213-1111-4AA2-B032-D5AEB8F31C97",
    "AAAAA213-2222-4AA2-B032-D5AEB8F31C97"
  ]
}
```

Response

Status

Status: 200 OK

JSON

```
[
  {
    "attribusersettingid": "511d2c35-d7a6-4e76-82f0-172a64c322b6",
    "objectid": "1f15c447-e511-4fc1-940b-13639f973c52",
    "module": "3e3b1ae3-8955-4c4e-803e-2d56a4a8e50d",
    "userid": "a612e213-1a6e-4aa2-b032-d5aeb8f31c97",
    "category": "ObjectNavigator",
    "isdefault": false,
    "valuekey": "[onProjectElements_Building]",
    "valuenam": "onProjectElements_Building",
    "value": "Name[I]Description[I]Division[I]ModelType[I]ElementTyp[I]Length[I]Width",
    "datasmallint": null,
    "revision": null
  },
  {
    "attribusersettingid": "909c9802-a339-4a60-8fff-64ea495f6136",
    "objectid": "1f15c447-e511-4fc1-940b-13639f973c52",
    "module": "3e3b1ae3-8955-4c4e-803e-2d56a4a8e50d",
    "userid": "a612e213-1a6e-4aa2-b032-d5aeb8f31c97",
    "category": "ObjectNavigator",
    "isdefault": false,
    "valuekey": "[onProjectElements_Electricity]",
    "valuenam": "onProjectElements_Electricity",
    "value": "Name[I]Description[I]Division[I]ModelType[I]ElementTyp[I]Length[I]Width",
    "datasmallint": null,
    "revision": null
  }
]
```

Delete the hierarchy

URL / Resource / JSON Structure

Resource: usersettings/hierarchies/<hierarchy_id>

URL: https://api-stage.bimplus.net/v2/<team_slug>/usersettings/hierarchies/<hierarchy_id>

Example: <https://api-stage.bimplus.net/v2/bimplus/usersettings/hierarchies/0d2ce2cc-3588-45d6-a59a-f6b89ebed34e>

HTTP Method

DELETE

Description

Deletes a specific hierarchy.

Request

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

Response

Status
Status: 200 OK

Delete the list of hierarchies

URL / Resource / JSON Structure

Resource: usersettings/hierarchies?\$operation=deletelist

URL: [https://api-stage.bimplus.net/v2/<team_slug>/usersettings/hierarchies?\\$operation=deletelist](https://api-stage.bimplus.net/v2/<team_slug>/usersettings/hierarchies?$operation=deletelist)

Example: [https://api-stage.bimplus.net/v2/bimplus/usersettings/hierarchies?\\$operation=deletelist](https://api-stage.bimplus.net/v2/bimplus/usersettings/hierarchies?$operation=deletelist)

JSON Structure:

Name	Mandatory / Optional	Type	Description
userSettingsListId	mandatory	object	List of hierarchy ids that has to be deleted

HTTP Method

DELETE

Description

Deletes the list of hierarchies as specified in the request

Request

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

JSON
<pre>{ "userSettingsListId": ["AAAAA213-1111-4AA2-B032-D5AEB8F31C97", "AAAAA213-2222-4AA2-B032-D5AEB8F31C97"] }</pre>

Response

Status
Status: 200 OK

Delete all the hierarchies filtered by additional info

URL / Resource / JSON Structure

Resource: usersettings/hierarchies?moduleId=xxx;userId=<yyy>;category=<name>;objectId=<zzz>

URL: https://api-stage.bimplus.net/v2/<team_slug>/usersettings/hierarchies?moduleId=<xxx>;userId=<yyy>;category=<name>;objectId=<zzz>

Example: <https://api-stage.bimplus.net/v2/bimplus/usersettings/hierarchies?moduleId=3e3b1ae3-8955-4c4e-803e-2d56a4a8e50d;userId=a612e213-1a6e-4aa2-b032-d5aeb8f31c97;category=ObjectNavigator;objectId=1F15C447-E511-4FC1-940B-13639F973C52>

JSON Structure:

Name	Mandatory / Optional	Type	Description
moduleId	mandatory	string(guid)	Id of the module
userId	mandatory	string(guid)	Id of the user
objectId	optional	string(guid)	Id of the object (default is "1F15C447-E511-4FC1-940B-13639F973C52")
Category	optional	string	Name of the category (default is "ObjectNavigator")

HTTP Method

DELETE

Description

Deletes all the hierarchies filtered by additional info specified as query strings.

Request

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

JSON
{ "userSettingsListId": ["AAAAA213-1111-4AA2-B032-D5AEB8F31C97", "AAAAA213-2222-4AA2-B032-D5AEB8F31C97"] }

Response

Status
Status: 200 OK