

4.2 Project Service

Project Service

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Project Service

A Project is basically a holder which contains building models.

Create a new project

URL / Resource / JSON Structure

Resource: projects

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

Example: https://api-stage.bimplus.net/v2/bimplus/projects

JSON Structure:

Name	Mandatory / Optional	Type	Description
id	will be ignored	string (guid)	Id of the project
name	mandatory	string	Name of the project
shortDescr	optional	string	Short description of the project
teamName	will be ignored	string	Name of the team to which the project belongs
teamSlug	will be ignored	string	Slug of the team to which the project belongs
hasWriteAccess	will be ignored	boolean	Don't use this property. This property is not deleted to support the older clients
thumbnail	will be ignored	string	Direct download link to project thumbnail
created	will be ignored	string (date)	Creation date of the project
createdBy	will be ignored	JSON object	Details of the Bimplus user who has created the project
changed	will be ignored	string(date)	Modified date of the project
changedBy	will be ignored	JSON object	Details of the Bimplus user who has created the project
address	optional	string	Address of the project
modelCount	will be ignored	int	Number of models in this project
memberCount	will be ignored	int	Number of members in this project
topicCount	will be ignored	int	Number of topics in this project

attachmentCount	will be ignored	int	Number of attachments in this project
size	will be ignored	int	Size of the project in bytes
sizeInMB	will be ignored	string	Size of the project in MB
disciplines	will be ignored	JSON object	Disciplines found under this project
rights	will be ignored	JSON object	The rights the user has for this project

HTTP Method

POST

Description

Creates a new project.

Request

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

JSON
<pre>{ "name" : "Your Awesome Building", "shortDescr" : "Example for creating a project", "address" : "My address somewhere" }</pre>

Response

Status
Status: 201 Created

JSON

```
{
  "name": "Your Awesome Building",
  "shortDescr": "Example for creating a project",
  "teamName": "Best Company",
  "teamSlug": "best-company",
  "hasWriteAccess" : true,
  "thumbnail": null,
  "created": "2013-06-01T10:05:00",
  "createdby" : {
    "id": "7c555899-5a5f-44d1-930e-284930678bed",
    "email" : "testuser@bimplus.net"
  },
  "changed": "2013-06-01T10:05:00",
  "changedby" : {
    "id": "7c555899-5a5f-44d1-930e-284930678bed",
    "email" : "testuser@bimplus.net"
  },
  "address" : "My address somewhere",
  "modelCount": 0,
  "memberCount": 1,
  "topicCount": 0,
  "attachmentCount": 0,
  "size": 0,
  "sizeMB": "0",
  "id": "0d2ce2cc-3588-45d6-a59a-f6b89ebed34e"
}
```

Create copy of the source project

Url / Resource /Json

Resource: projects/copyfrom

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

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

JSON Structure:

Name	Mandatory / Optional	Type	Description
id	mandatory	string(guid)	Source project Id. Only projects from 'Bimplus Demo' team are supported by this api function.
name	mandatory	string	Unique name of the newly created project.
shortDescr	optional	string	Description of the newly created project.

HttpMethod

POST

Description

Creates new project as copy of the source project. The content of source project from "Bimplus Demo" team will be copied to user team.

Request

Headers

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

JSON

```
{
  "id": "1eb8efe0-7611-47e7-a06d-102ec8e2fff6",
  "name": "Copy of the Mallorca V1",
  "shortDescr": "Description of the new copy of the Mallorca V1"
}
```

Response

Status

Status: 201 Created

JSON

```
{
  "topicCount": 0,
  "attachmentCount": 2,
  "projectAttachmentCount": 0,
  "name": "Copy of the Mallorca V1",
  "shortDescr": "Description of the new copy of the Mallorca V1",
  "hasWriteAccess": false,
  "teamSlug": null,
  "thumbnail": null,
  "created": "2014-02-13T12:39:36",
  "createdby": {
    "id": "e0837206-4bff-65d4-b79f-f3878c3567fd",
    "email": "demo@bimplus.net",
    "firstname": "bim+",
    "lastname": "a service by Allplan"
  },
  "changed": "2019-01-24T11:51:40.55",
  "changedby": {
    "id": "e0837206-4bff-65d4-b79f-f3878c3567fd",
    "email": "demo@bimplus.net",
    "firstname": "bim+",
    "lastname": "a service by Allplan"
  },
  "modelCount": 2,
  "memberCount": 1,
  "size": 32839680,
  "attachmentsSize": 0,
  "sizeMB": "31.32",
  "approvalProcess": 0,
  "id": "990d0772-8b87-479a-9ed6-b0b46a204301"
}
```

[Get the logged in user's project List](#)

URL / Resource / JSON Structure

Resource: projects

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

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

HTTP Method

GET

Description

Gets the entire list of projects in which the logged in user is a member

Request

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

Response

Status
Status: 200 OK

JSON

```
[
  {
    "id": "586b02be-43b8-4e27-b698-e067e85e38e2",
    "name": "!!!!!!_VORTEILSHAUS V40 SD45 Traufeingang",
    "shortDescr": "Hey, i am your favourite test entry",
    "thumbnail": "",
    "created": "2013-05-01T09:33:18",
    "createdby": {
      "id": "f4b1178d-385f-449c-a2a7-6f58b264d90c"
      "email": "owner@company1.com",
    },
    "changed": "2013-05-01T09:33:18",
    "changedby": {
      "id": "f4b1178d-385f-449c-a2a7-6f58b264d90c"
      "email": "owner@company1.com",
    },
    "address": "Address of company 1"
    "hasWriteAccess": false,
    "teamSlug": "company1",
    "modelCount": 3,
    "memberCount": 3,
    "size": 63488,
    "sizeMB": "0.06",
    "rights": {
      "projectAdmin": false,
      "projectDelete": false,
      "projectEdit": false,
      "modelsCreate": false,
      "modelsViewAll": false
    }
  },
  {
    "id": "0d2ce2cc-3588-45d6-a59a-f6b89ebed34e",
    "name": "Your Awesome Building",
    "shortDescr": "Example for creating a project",
    "thumbnail": "",
    "created": "0001-01-01T00:00:00",
    "createdby": {
      "id": "7c555899-5a5f-44d1-930e-284930678bed",
      "email": "testuser@bimplus.net"
    },
    "changed": "0001-01-01T00:00:00",
    "changedby": {
      "id": "7c555899-5a5f-44d1-930e-284930678bed",
      "email": "testuser@bimplus.net"
    },
    "address": "My address somewhere",
    "hasWriteAccess": true,
    "teamSlug": "best-company",
    "modelCount": 4,
    "memberCount": 2,
    "size": 4263936,
    "sizeMB": "4,07",
    "rights": {
      "projectAdmin": true,
      "projectDelete": true,
      "projectEdit": true,
      "modelsCreate": true,
      "modelsViewAll": true
    }
  }
]
```

URL / Resource / JSON Structure

Resource: projects

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

Example: https://api-stage.bimplus.net/v2/bimplus/projects

HTTP Method

GET

Description

Gets the project list with main properties from a particular team in which the user is a member of.

Request

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

This call also supports [filtering and paging](#)

Response

Status
Status: 200 OK

JSON

```
[
  {
    "id": "0d2ce2cc-3588-45d6-a59a-f6b89ebed34e",
    "name": "Your Awesome Building",
    "shortDescr": "Example for creating a project",
    "thumbnail": "",
    "created": "0001-01-01T00:00:00",
    "createdby": {
      "id": "7c555899-5a5f-44d1-930e-284930678bed",
      "email": "testuser@bimplus.net"
    },
    "changed": "0001-01-01T00:00:00",
    "changedby": {
      "id": "7c555899-5a5f-44d1-930e-284930678bed",
      "email": "testuser@bimplus.net"
    },
    "address": "My address somewhere",
    "hasWriteAccess": true,
    "teamSlug": "best-company",
    "modelCount": 4,
    "memberCount": 2,
    "size": 4263936,
    "sizeMB": "4,07",
    "rights": {
      "projectAdmin": true,
      "projectDelete": true,
      "projectEdit": true,
      "modelsCreate": true,
      "modelsViewAll": true
    }
  },
  {
    "id": "4e87944a-a477-4e4c-862e-e723dcb43066",
    "name": "UC_Fly-over Kerensheide",
    "shortDescr": "",
    "thumbnail": "",
    "created": "2013-05-10T07:13:38",
    "createdby": {
      "id": "bda91f09-2cc6-45da-bba0-5f92828f58bc",
      "email": "UserA@bimplus.net"
    },
    "changed": "2013-05-16T07:34:56",
    "changedby": {
      "id": "7c555899-5a5f-44d1-930e-284930678bed",
      "email": "testuser@bimplus.net"
    },
    "address": "",
    "hasWriteAccess": true,
    "teamSlug": "best-company",
    "modelCount": 2,
    "memberCount": 3,
    "size": 63488,
    "sizeMB": "0,06",
    "rights": {
      "projectAdmin": false,
      "projectDelete": false,
      "projectEdit": true,
      "modelsCreate": false,
      "modelsViewAll": true
    }
  }
]
```

URL / Resource / JSON Structure

Resource: projects/<project_id>

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

Example: <https://api-stage.bimplus.net/v2/bimplus/projects/586b02be-43b8-4e27-b698-e067e85e38e2>

Optional query parameters

Name	Type	Default value	Description
disciplines	string (bool)	true	When query parameter "disciplines=false" is defined, the API will return project properties except "disciplines" project property. e.g. https://api-stage.bimplus.net/v2/bimplus/projects/586b02be-43b8-4e27-b698-e067e85e38e2?disciplines=false This api call is faster variant when client does not use returned discipline project property . Otherwise if query parameter "disciplines" is true (this is default) or is missing the call will return all project properties. e.g. https://api-stage.bimplus.net/v2/bimplus/projects/586b02be-43b8-4e27-b698-e067e85e38e2?disciplines=true

HTTP Method

GET

Description

Get all the project properties of a project using its id.

Request

Headers

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

Response

Status

Status: 200 OK

JSON

```
{
  "name" : "Your Awesome Building",
  "shortDescr" : "Example for creating a project"
  "teamName": "jay-company",
  "teamSlug": "jay-company",
  "hasWriteAccess": true,
  "thumbnail": "/jay-company/projects/de87fc4d-cb5d-44ba-b2ea-1d96ac564a8a/thumbnail/download",
  "created": "2014-02-14T09:48:27",
  "createdby": {
    "id": "71e0ac3b-fa49-e540-ac2f-8caff3dd72ed",
    "email": "jayaraj.purushothaman@gmail.com"
  },
  "changed": "2015-11-19T09:45:51",
  "changedby": {
    "id": "71e0ac3b-fa49-e540-ac2f-8caff3dd72ed",
    "email": "jayaraj.purushothaman@gmail.com"
  },
  "address": "",
  "modelCount": 1,
  "memberCount": 7,
  "topicCount": 30,
  "attachmentCount": 13,
  "size": 99317760,
  "sizeMB": "94,72",
  "disciplines": [
    {
```

```

      "id": "0f106af0-a919-44c5-b211-15bd5ef620b6",
      "name": "ID_BuildingModel",
      "divisionId": "b539790e-2ffc-43cd-9582-b4aa27b36693",
      "divisionName": "Model1",
      "divisionTopologyId": "25f38274-7158-436d-9356-f5c917ee44c9",
      "revisions": [
        1
      ],
      "visible": false,
      "opaque": false,
      "opacity": 0
    },
    {
      "id": "30114b52-bc05-47c1-80b5-c7d5485d5840",
      "name": "ID_FinishModel",
      "divisionId": "b539790e-2ffc-43cd-9582-b4aa27b36693",
      "divisionName": "Model1",
      "divisionTopologyId": "25f38274-7158-436d-9356-f5c917ee44c9",
      "revisions": [
        1,2
      ],
      "visible": false,
      "opaque": false,
      "opacity": 0
    },
    {
      "id": "09e623d4-1e12-4a77-b358-ea1d0b28e4a7",
      "name": "ID_RoomModel",
      "divisionId": "b539790e-2ffc-43cd-9582-b4aa27b36693",
      "divisionName": "Model1",
      "divisionTopologyId": "25f38274-7158-436d-9356-f5c917ee44c9",
      "revisions": [
        1
      ],
      "visible": false,
      "opaque": false,
      "opacity": 0
    }
  ],
  "rights": {
    "projectAdmin": true,
    "projectDelete": true,
    "projectEdit": true,
    "modelsCreate": true,
    "modelsViewAll": true
  },
  "id": "5cd37c77-d341-4ab2-9f0d-44467955b218"
}

```

Update the project

URL / Resource / JSON Structure

Resource: projects/<project_id>

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

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

JSON Structure:

Name	Mandatory / Optional	Type	Description
id	will be ignored	string (guid)	Id of the project
name	mandatory	string	Name of the project
shortDescr	optional	string	Short description of the project
teamName	will be ignored	string	Name of the team to which the project belongs

teamSlug	will be ignored	string	Slug of the team to which the project belongs
hasWriteAccess	will be ignored	boolean	Don't use this property. This property is not deleted to support the older clients
created	will be ignored	string (date)	Creation date of the project
createdBy	will be ignored	JSON object	Details of the Bimplus user who has created the project
changed	will be ignored	string(date)	Modified date of the project
changedBy	will be ignored	JSON object	Details of the Bimplus user who has created the project
address	optional	string	Address of the project
modelCount	will be ignored	int	Number of models in this project
memberCount	will be ignored	int	Number of members in this project
topicCount	will be ignored	int	Number of topics in this project
attachmentCount	will be ignored	int	Number of attachments in this project
size	will be ignored	int	Size of the project in bytes
sizeInMB	will be ignored	string	Size of the project in MB
disciplines	will be ignored	JSON object	Disciplines found under this project
rights	will be ignored	JSON object	The rights the user has for this project

HTTP Method

PUT

Description

Update properties of the specified project.

Request

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

JSON
<pre>{ "name" : "Your Awesome Building updated", "shortDescr" : "Example for updating a project", "address": "Changed address", }</pre>

Response

Status
Status: 200 OK

JSON

```
{
  "name" : "Your Awesome Building updated",
  "shortDescr" : "Example for updating a project",
  "teamName": "Best Company",
  "teamSlug": "best-company",
  "hasWriteAccess" : true,
  "thumbnail": null,
  "created": "2013-06-01T10:05:00",
  "createdby" : {
    "id": "7c555899-5a5f-44d1-930e-284930678bed",
    "email" : "testuser@bimplus.net"
  },
  "changed": "2013-06-02T10:04:15",
  "changedby" : {
    "id": "7c555899-5a5f-44d1-930e-284930678bed",
    "email" : "testuser@bimplus.net"
  },
  "address" : "Changed address",
  "modelCount": 0,
  "memberCount": 1,
  "topicCount": 0,
  "attachmentCount": 0,
  "size": 0,
  "sizeMB": "0",
  "id": "0d2ce2cc-3588-45d6-a59a-f6b89ebed34e"
}
```

Create an issue in the project with a view

See [Create Issue](#) in Topic Service

Get the Issue List from the project

URL / Resource / JSON Structure

Resource: projects/<project_id>issues

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

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

Optional query parameters

Name	Type	Default value	Description
shortinfo	boolean	false	When query parameter "shortinfo=true" is defined, the API function returns only classes of all tasks metric.

HTTP Method

GET

Description

Get list of issues of given project.

Response depends on the user rights :

- for project admin or account owner - returns all existing issues in the project
- for project editor or viewer - returns only issues where the user is author or responsible (although still exist the possibility to get all the issues, by using query parameter "?showAll=true")

Request

Headers

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

This call also supports [filtering and paging](#)

Response

Status

Status: 200 OK

JSON

```
[
  {
    "name": "Wall info wrong",
    "author": {
      "id": "7c555899-5a5f-44d1-930e-284930678bed",
      "email": "testuser1@allplan.com",
      "firstname": "Test",
      "lastname": "User1",
      "company": "Allplan Bratislava",
      "fullname": "Test User1"
    },
    "responsible": {
      "id": "0132ecbe-2ac5-4ae1-945d-d38fc3bc1e82",
      "email": "testuser1@allplan.com",
      "firstname": "Test",
      "lastname": "User2",
      "company": "Allplan Bratislava",
      "fullname": "Test User2"
    },
    "scene": null,
    "attachmentsCount": 0,
    "pinsCount": 0,
    "commentsCount": 0,
    "hyperlinksCount": 0,
    "shortId": 4,
    "projectId": "de87fc4d-cb5d-44ba-b2ea-1d96ac564a8a",
    "description": "This wall is wrong",
    "status": "Open",
    "createdAt": "2016-02-15T08:12:49.9831726+01:00",
    "modifiedAt": "2016-02-15T08:12:49.9831726+01:00",
    "dueDate": null,
    "solution": "MySolution",
    "type": "Problem",
    "classification": "Problems",
    "priority": "High",
    "cc": [
      "abc@bimplus.net"
    ],
    "id": "01b5768a-bd19-4049-b72e-b44485514ef8"
  },
  ...
]
```

[Delete all the issues from the project](#)

URL / Resource / JSON Structure

Resource: projects/<project_id>issues

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

Example: https://api-stage.bimplus.net/v2/bimplus/projects/0d2ce2cc-3588-45d6-a59a-f6b89ebed34e/issues

HTTP Method

DELETE

Description

Delete all the issues belonging to a specified project.

Request

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

Response

Status
Status: 200 OK

Create a new attachment in the project

URL / Resource / JSON Structure

Resource: projects/<project_id>/attachments

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

Example: https://api-stage.bimplus.net/v2/bimplus/projects/0d2ce2cc-3588-45d6-a59a-f6b89ebed34e/attachments

HTTP Method

POST

Description

Creates a new attachment in a project.

Request

Bimplus supports creating and updating of attachments using requests with multipart/form-data content type. By standard, multipart/form-data content consists of several parts, each part containing a file data.

But Bimplus supports only one file sent per call, so only first part of multipart form data content is used, the rest are ignored. The parts are separated by boundaries, each part contains content headers and content data.

Examples :

Headers
Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088 Content-Type: multipart/form-data; boundary=----MyFormBoundaryt1TJWL8i2mvYwGPW

Content

```
-----MyFormBoundaryt1TJWL8i2mvYwGPW
Content-Disposition: form-data; name="TestFile"; filename="TestFile.xml"; classification="Report"; tag="ABCDE"
Content-Type: application/xml

**** Here are file data ****

-----MyFormBoundaryt1TJWL8i2mvYwGPW
```

Where :

- name and filename are mandatory saved as attachment's "name" and "filename" properties
- classification and tag are optional, and are saved as attachment's properties "tag" and "classification"
- Content-Type is mandatory and is saved as attachment's property "type"

Response

Status

Status: 201 Created

JSON

```
{
  "objectIds": [
    "0d2ce2cc-3588-45d6-a59a-f6b89ebed34e"
  ],
  "fileName": "TestFile.xml",
  "type": "application/xml",
  "size": 211258,
  "createdAt": "2013-12-11T10:47:39",
  "creator": {
    "id": "e18941f4-a809-2d01-d27d-cd251f2b6cb6",
    "email": "test@bimplus.net",
    "firstname": "First Name",
    "lastname": "Second Name",
    "company": "Best-Company",
    "fullname": "First Name Second Name",
    "displayname": "Best-Company",
  },
  "changed" : "2013-12-11T10:47:39",
  "changedBy" : {
    "id": "e18941f4-a809-2d01-d27d-cd251f2b6cb6",
    "email": "test@bimplus.net",
  },
  "hash": "68a59c1f-1914-43b8-92fc-1cee4ad1c90c",
  "attachmentType" : "Document",
  "classification" : "Report",
  "tag" : "ABCDE",
  "sizeMB" : "0,21",
  "version" : "1",
  "relatedId" : "0d2ce2cc-3588-45d6-a59a-f6b89ebed34e",
  "rights" : {
    "update" : true,
    "share" : true,
    "delete" : true,
    "download" : true
  },
  "id": "6cea110a-88f4-43ac-9a00-ebaf677be333"
}
```

Create a new attachment in the project using chunked upload

URL / Resource / JSON Structure

Resource: projects/<project_id>/attachments/chunked

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

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

HTTP Method

PUT

Description

Creates a new attachment in a project. The upload can be performed in chunks that allow it to exceed the 2GB file limit. After uploading the 1st chunk the file gets locked until finishing upload of the last chunk based on the 'Content-Range' header.

Request

Bimplus supports creating and updating attachments in chunks.

After the upload of the first chunk, the response contains a file ID, that should be passed as 'Chunk-FileId' header in upcoming requests.

Examples :

Headers
Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088 Content-Range: bytes 0-20971520/22471573 Chunk-FileId: 6cea110a-88f4-43ac-9a00-ebaf677be333 Content-Disposition: inline; name="Document"; filename="file.pdf"

Where :

- name and filename are mandatory saved as Content-Disposition "name" and "filename" properties
- classification and tag are optional, and are saved as attachment's properties "tag" and "classification"
- Content-Type is mandatory and is saved as attachment's property "type"

Response

Status
Status: 201 Created

JSON

```
{
  "objectIds": [
    "0d2ce2cc-3588-45d6-a59a-f6b89ebed34e"
  ],
  "fileName": "TestFile.xml",
  "type": "application/xml",
  "size": 211258,
  "createdAt": "2013-12-11T10:47:39",
  "creator": {
    "id": "e18941f4-a809-2d01-d27d-cd251f2b6cb6",
    "email": "test@bimplus.net",
    "firstname": "First Name",
    "lastname": "Second Name",
    "company": "Best-Company",
    "fullname": "First Name Second Name",
    "displayname": "Best-Company",
  },
  "changed" : "2013-12-11T10:47:39",
  "changedBy" : {
    "id": "e18941f4-a809-2d01-d27d-cd251f2b6cb6",
    "email": "test@bimplus.net",
  },
  "hash": "68a59c1f-1914-43b8-92fc-1cee4ad1c90c",
  "attachmentType" : "Document",
  "classification" : "Report",
  "tag" : "ABCDE",
  "sizeMB" : "0,21",
  "version" : "1",
  "relatedId" : "0d2ce2cc-3588-45d6-a59a-f6b89ebed34e",
  "rights" : {
    "update" : true,
    "share" : true,
    "delete" : true,
    "download" : true
  },
  "id": "6cea110a-88f4-43ac-9a00-ebaf677be333"
}
```

Get the Attachment List from the project

URL / Resource / JSON Structure

Resource: projects/<project_id>/attachments

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

Example: https://api-stage.bimplus.net/v2/bimplus/projects/0d2ce2cc-3588-45d6-a59a-f6b89ebed34e/attachments

HTTP Method

GET

Description

Get all the attachments belonging to a specified project. The normal attachment GET call (i.e projects/<project_id>/attachments) returns all the attachments inside a project i.e it iterates through all the objects inside a project and returns everything. If we want to retrieve the only the attachments that belongs to the project directly, then use ?projectOnly=true filter (i.e projects/<project_id>/attachments?projectOnly=true)

This call also supports [filtering and paging](#)

Request

Headers

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

Response

Status

Status: 200 OK

JSON

```
[
  {
    "objectIds": [
      "0d2ce2cc-3588-45d6-a59a-f6b89ebed34e"
    ],
    "fileName": "TestFile.xml",
    "type": "application/xml",
    "size": 211258,
    "createdAt": "2013-12-11T10:47:39",
    "creator": {
      "id": "e18941f4-a809-2d01-d27d-cd251f2b6cb6",
      "email": "test@bimplus.net",
      "firstname": "First Name",
      "lastname": "Second Name",
      "company": "Best-Company",
      "fullname": "First Name Second Name",
      "displayname": "Best-Company",
    },
    "changed" : "2013-12-11T10:47:39",
    "changedBy" : {
      "id": "e18941f4-a809-2d01-d27d-cd251f2b6cb6",
      "email": "test@bimplus.net",
    },
    "hash": "68a59c1f-1914-43b8-92fc-1cee4ad1c90c",
    "attachmentType" : "Document",
    "classification" : "Report",
    "tag" : "ABCDE",
    "sizeMB" : "0,21",
    "version" : "1",
    "relatedId" : "0d2ce2cc-3588-45d6-a59a-f6b89ebed34e",
    "rights" : {
      "update" : true,
      "share" : true,
      "delete" : true,
      "download" : true
    },
    "id": "6cea110a-88f4-43ac-9a00-ebaf677be333"
  },
  ...
]
```

Delete all the attachments from the project

URL / Resource / JSON Structure

Resource: projects/<project_id>/attachments

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

Example: https://api-stage.bimplus.net/v2/bimplus/projects/0d2ce2cc-3588-45d6-a59a-f6b89ebed34e/attachments

HTTP Method

DELETE

Description

Delete all the attachments belonging to a specified project.

Request

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

Response

Status
Status: 200 OK

Get the project topology tree

URL / Resource / JSON Structure

Resource: projects/<project_id>/topology

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

Example: https://api-stage.bimplus.net/v2/bimplus/projects/0d2ce2cc-3588-45d6-a59a-f6b89ebed34e/topology

HTTP Method

GET

Description

Get the project topology tree.

Request

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

Response

Status
Status: 200 OK

JSON

```
{
  "parent": null,
  "name": "My Project",
  "type": "Project",
  "children": [
    {
      "ifcId": "1o1vYcpcH5KRRKl5voLOXN",
      "ifcType": "IfcBuilding",
      "parent": "0d2ce2cc-3588-45d6-a59a-f6b89ebed34e",
      "name": null,
      "type": "ID_TopologyDivision",
      "children": [],
      "id": "195db084-3715-4ebc-b164-3ee47a495b2e"
    }
  ],
  "id": "0d2ce2cc-3588-45d6-a59a-f6b89ebed34e"
}
```

Get the spot list from the project

URL / Resource / JSON Structure

Resource: projects/<project_id>/pins

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

Example: https://api-stage.bimplus.net/v2/bimplus/projects/586b02be-43b8-4e27-b698-e067e85e38e2/pins

HTTP Method

GET

Description

Get the spot list from the project

Request

Headers

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

Response

Status

Status: 200 OK

JSON

```
[
  {
    "issueId": "5eac4d92-c65b-49c8-927c-9f255879a5c2",
    "objectId": "442af981-4175-4f1d-90f0-ef1c8641f0cb",
    "topologyNodeId": "4be5ffd3-1e5e-42a7-9844-23b55fb39253",
    "position": {
      "x": 78696.44,
      "y": 9652.251,
      "z": 580
    }
  }
]
```

```

    },
    "normalVector": {
      "x": 0,
      "y": 0,
      "z": 1
    },
    "createdAt": "2014-05-09T12:17:18",
    "id": "3ba43939-5805-4aac-b7a5-8cf3b5833ac3"
  },
  {
    "issueId": "5333bb42-2cb9-4f11-afd8-120c79edef37",
    "objectId": "ae1a139a-1e13-491f-b6d8-a46f699e295e",
    "topologyNodeId": "37a26e8b-566e-4d6e-8ab2-f35a715e83e2",
    "position": {
      "x": 41677.4336,
      "y": 10095.9512,
      "z": -9020
    },
    "normalVector": {
      "x": 0,
      "y": 0,
      "z": 1
    },
    "createdAt": "2014-05-09T12:17:33",
    "id": "fa9acf26-efdf-4297-80b5-2422bbf6e35a"
  },
  {
    "issueId": "5eac4d92-c65b-49c8-927c-9f255879a5c2",
    "objectId": "effc5f9f-dcae-4e5f-9a67-189d4a285612",
    "topologyNodeId": "4be5ffd3-1e5e-42a7-9844-23b55fb39253",
    "position": {
      "x": -440,
      "y": 10767.11,
      "z": -8243.917
    },
    "normalVector": {
      "x": -1,
      "y": 0,
      "z": 0
    },
    "createdAt": "2014-05-27T08:56:46",
    "id": "a014fcf3-c72e-4def-bc41-58b349b31591"
  },
  {
    "issueId": "5333bb42-2cb9-4f11-afd8-120c79edef37",
    "objectId": "367af808-de74-41b4-a3fb-1bfb50559da3",
    "topologyNodeId": "9fc99e93-2f33-4247-b3a4-2a6658a9b750",
    "position": {
      "x": 22525.0254,
      "y": 10334.1377,
      "z": -9172
    },
    "normalVector": {
      "x": 0,
      "y": 0,
      "z": 1
    },
    "createdAt": "2014-05-21T13:34:07",
    "id": "2b693990-a611-4b05-9efd-7485a9aeebbb"
  },
  {
    "issueId": "5eac4d92-c65b-49c8-927c-9f255879a5c2",
    "objectId": "83821c97-0020-480e-b863-9981df590c0a",
    "topologyNodeId": "aa7e1b6f-7324-459b-a114-9833806f89ed",
    "position": {
      "x": 664.999939,
      "y": 7197.733,
      "z": -58535.82
    },
    "normalVector": {
      "x": -1,

```

```
        "y": 0,  
        "z": 0  
      },  
      "createdAt": "2014-05-27T09:18:17",  
      "id": "f2a9c63f-2514-4c1f-be78-758a984b5430"  
    }  
  ]
```

Get the project disciplines

URL / Resource / JSON Structure

Resource: projects/<project_id>/disciplines

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

Example: https://api-stage.bimplus.net/v2/bimplus/projects/586b02be-43b8-4e27-b698-e067e85e38e2/disciplines

HTTP Method

GET

Description

Get the layers of a project.

Request

Headers

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

Response

Status

Status: 200 OK

JSON

```
[
  {
    "id": "0f106af0-a919-44c5-b211-15bd5ef620b6",
    "name": "ID_BuildingModel",
    "divisionId": "ac21b9a1-8853-4658-9fbf-0cf62340bd18",
    "divisionName": "Model 1",
    "divisionTopologyId": "60c8362a-eb91-412d-ac67-c5d787bf36cb",
    "revisions": [
      1
    ],
    "visible": false,
    "opaque": false,
    "opacity": 0
  },
  {
    "id": "63b069d2-81df-4418-91de-8a954fa12924",
    "name": "ID_DesignModel_Timber",
    "divisionId": "ac21b9a1-8853-4658-9fbf-0cf62340bd18",
    "divisionName": "Model 1",
    "divisionTopologyId": "60c8362a-eb91-412d-ac67-c5d787bf36cb",
    "revisions": [
      1,2
    ],
    "visible": false,
    "opaque": false,
    "opacity": 0
  },
  {
    "id": "30114b52-bc05-47c1-80b5-c7d5485d5840",
    "name": "ID_FinishModel",
    "divisionId": "ac21b9a1-8853-4658-9fbf-0cf62340bd18",
    "divisionName": "Model 1",
    "divisionTopologyId": "60c8362a-eb91-412d-ac67-c5d787bf36cb",
    "revisions": [
      1,2
    ],
    "visible": false,
    "opaque": false,
    "opacity": 0
  },
  {
    "id": "09e623d4-1e12-4a77-b358-ea1d0b28e4a7",
    "name": "ID_RoomModel",
    "divisionId": "ac21b9a1-8853-4658-9fbf-0cf62340bd18",
    "divisionName": "Model 1",
    "divisionTopologyId": "60c8362a-eb91-412d-ac67-c5d787bf36cb",
    "revisions": [
      1
    ],
    "visible": false,
    "opaque": false,
    "opacity": 0
  }
]
```

Get material surfaces of the project

URL / Resource / JSON Structure

Resource: projects/<project_id>/materialsurfaces

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

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

HTTP Method

GET

Description

Get all material surfaces used in the project

Request

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

Response

Status
Status: 200 OK

JSON

```
[{
  "diffuseColor":8421504,
  "transparency":0,
  "argb":-8355712,
  "reflection":0,
  "refraction":1,
  "scaleX":0,
  "scaleY":0,
  "translateX":0,
  "translateY":0,
  "rotation":0,
  "diffuseReflectivity":100,
  "colorKeyTolerance":0,
  "multiToneFactor":0,
  "colorMixing":false,
  "alphaFromTexture":true,
  "useColorKey":false,
  "repeat":true,
  "metric":true,
  "emission":0,
  "bumpAmplitude":0,
  "roughness":0,
  "colorKey":0,
  "textures":[{
    "objectIds":["cdbd7fbc-0d02-4be5-adb3-04b7f0b2a638"]
  },
  "fileName":"diffuse-texture-image.jpg",
  "type":"image/jpeg",
  "size":31590,
  "createdAt":"2016-12-06T18:44:57.143",
  "creator":{
    "id":"78a94d0e-0d58-3f85-aafa-1e631c51b5d2",
    "email":null,
    "firstname":null,
    "lastname":null,
    "company":null,
    "fullname":"",
    "displayname":null
  },
  "changed":"2016-12-06T18:44:57.143",
  "changedBy":{
    "id":"78a94d0e-0d58-3f85-aafa-1e631c51b5d2",
    "email":null
  },
  "hash":"de78a77e-8bc7-4ffa-b4ac-a201b100a1ed",
  "attachmentType":"AllplanResource",
  "tag":"eDIFFUSE1|eDIFFUSE2|eDIFFUSE3|eDIFFUSE4",
  "sizeMB":"0,03",
  "version":1,
  "relatedId":"cdbd7fbc-0d02-4be5-adb3-04b7f0b2a638",
  "id":"1eeec814-bb81-4876-a608-fc28f864984f"
  },
  "id":"cdbd7fbc-0d02-4be5-adb3-04b7f0b2a638"
},
...
]
```

[Create / Upload a thumbnail to the project](#)

[URL / Resource / JSON Structure](#)

Resource: projects/<project_id>/thumbnail

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

Example: https://api-stage.bimplus.net/v2/bimplus/projects/0d2ce2cc-3588-45d6-a59a-f6b89ebed34e/thumbnail

HTTP Method

POST

Description

Creates or uploads a thumbnail to the project.

Request

Headers and content are the same as for [Create attachment](#)

Response

Status

Status: 201 Created

JSON

```
{
  fileName: "MyThumbnail.jpg"
  type: "image/jpeg"
  size: 5262
  id: "0d2ce2cc-3588-45d6-a59a-f6b89ebed34e"
}
```

Download the thumbnail

URL / Resource / JSON Structure

Resource: thumbnail/<thumbnail_id>

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

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

HTTP Method

GET

Description

Downloads the thumbnail.

Request

Headers

Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088

Response

Status

Status: 200 OK

Response content type is the same as is the "type" of the thumbnail, e.g. "image/jpeg"

Get the structure list from a project

URL / Resource / JSON Structure

Resource: structures/<structure_id>

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

Example:https://api-stage.bimplus.net/v2/bimplus/projects/179439d6-df16-41cc-bd2c-74d05b7995d5/structures

HTTP Method

GET

Description

Get the structure list from a project

Request

Headers

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

Response

Status

Status: 200 OK

JSON

```
[
  {
    "name": "TestStructure",
    "description": "FullLifeCycleTest",
    "type": "CostStructure",
    "nr": 1,
    "color": 0,
    "id": "179439d6-df16-41cc-bd2c-74d05b7995d5"
  },
  {
    "name": "TestStructure2",
    "description": "Another Structure",
    "type": "SpecificationStructure",
    "nr": 2,
    "color": 0,
    "id": "279439d6-df16-41cc-bd2c-74d05b7995d5"
  }
]
```

Delete all the structures from a project

URL / Resource / JSON Structure

Resource: projects/<project_id>/structures

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

Example:https://api-stage.bimplus.net/v2/bimplus/projects/db540336-47a3-426e-b3bf-1e532bfac8ea/structures

HTTP Method

DELETE

Description

Deletes all the structures from a specified project

Request

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

Response

Status
Status: 200 OK

Get the topology of all structures belonging to a project

URL / Resource / JSON Structure

Resource: structures/<project_id>/topology

URL: https://api-stage.bimplus.net/v2/<team_slug>/structures/<project_id>/topology

Example: https://api-stage.bimplus.net/v2/bimplus/structures/db540336-47a3-426e-b3bf-1e532bfac8ea>/topology

HTTP Method

GET

Description

Get the topology of all structures belonging to a specified project

Request

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

Response

Status
Status: 200 OK

JSON

```
{
  "parent": null,
  "name": "Test for Structure",
  "type": "ID_Project",
  "children": [
    {
      "parent": "622272da-f1ff-45ab-a3f0-c8f1255c80e8",
      "name": "TestStructure",
      "type": "Structure",
      "children": [
        {
          "parent": "179439d6-df16-41cc-bd2c-74d05b7995d5",
          "name": "Node 1",
          "type": "Structure",
          "children": [
            {
              "parent": "adf506ae-3628-4501-9af1-22bcf27e4ab4",
              "name": "WallConnection",
              "type": "StructureElement",
              "children": [
                {
                  "parent": "35b986c2-e9cd-482e-9281-6000671a49f0",
                  "name": "Wall-005",
                  "type": "ID_ArchWall",
                  "children": [],
                  "id": "df4a81d6-42fb-4187-bbce-82a2fc093b2f"
                }
              ]
            },
            {
              "parent": "35b986c2-e9cd-482e-9281-6000671a49f0",
              "name": "Wall-005",
              "type": "ID_ArchWall",
              "children": [],
              "id": "df4a81d6-42fb-4187-bbce-82a2fc093b2f"
            }
          ]
        },
        {
          "parent": "adf506ae-3628-4501-9af1-22bcf27e4ab4",
          "name": "WallConnection",
          "type": "StructureElement",
          "children": [
            {
              "parent": "35b986c2-e9cd-482e-9281-6000671a49f0",
              "name": "Wall-005",
              "type": "ID_ArchWall",
              "children": [],
              "id": "df4a81d6-42fb-4187-bbce-82a2fc093b2f"
            }
          ]
        }
      ]
    },
    {
      "parent": "179439d6-df16-41cc-bd2c-74d05b7995d5",
      "name": "Node 1",
      "type": "Structure",
      "children": [
        {
          "parent": "adf506ae-3628-4501-9af1-22bcf27e4ab4",
          "name": "WallConnection",
          "type": "StructureElement",
          "children": [
            {
              "parent": "35b986c2-e9cd-482e-9281-6000671a49f0",
              "name": "Wall-005",
              "type": "ID_ArchWall",
              "children": [],
              "id": "df4a81d6-42fb-4187-bbce-82a2fc093b2f"
            }
          ]
        },
        {
          "parent": "adf506ae-3628-4501-9af1-22bcf27e4ab4",
          "name": "WallConnection",
          "type": "StructureElement",
          "children": [
            {
              "parent": "35b986c2-e9cd-482e-9281-6000671a49f0",
              "name": "Wall-005",
              "type": "ID_ArchWall",
              "children": [],
              "id": "df4a81d6-42fb-4187-bbce-82a2fc093b2f"
            }
          ]
        }
      ]
    }
  ]
}
```

Get all the comments, hyperlinks from the project

URL / Resource / JSON Structure

Resource: comments, hyperlinks

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

Example: <https://api-stage.bimplus.net/v2/bimplus/projects/db540336-47a3-426e-b3bf-1e532bfac8ea>/comments> OR <https://api-stage.bimplus.net/v2/bimplus/projects/db540336-47a3-426e-b3bf-1e532bfac8ea>/hyperlinks>

HTTP Method

GET

Description

Get all the comments, hyperlinks from the project

Request

Headers

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

Response

Status

Status: 200 OK

JSON

```
{
  "parent": null,
  "name": "Test for Structure",
  "type": "ID_Project",
  "children": [
    {
      "parent": "622272da-f1ff-45ab-a3f0-c8f1255c80e8",
      "name": "TestStructure",
      "type": "Structure",
      "children": [
        {
          "parent": "179439d6-df16-41cc-bd2c-74d05b7995d5",
          "name": "Node 1",
          "type": "Structure",
          "children": [
            {
              "parent": "adf506ae-3628-4501-9af1-22bcf27e4ab4",
              "name": "WallConnection",
              "type": "StructureElement",
              "children": [
                {
                  "parent": "35b986c2-e9cd-482e-9281-6000671a49f0",
                  "name": "Wall-005",
                  "type": "ID_ArchWall",
                  "children": [],
                  "id": "df4a81d6-42fb-4187-bbce-82a2fc093b2f"
                }
              ]
            },
            {
              "parent": "35b986c2-e9cd-482e-9281-6000671a49f0",
              "name": "Node 1",
              "type": "Structure",
              "children": []
            }
          ],
          "id": "35b986c2-e9cd-482e-9281-6000671a49f0"
        },
        {
          "parent": "adf506ae-3628-4501-9af1-22bcf27e4ab4",
          "name": "Node 2",
          "type": "Structure",
          "children": []
        }
      ],
      "id": "adf506ae-3628-4501-9af1-22bcf27e4ab4"
    },
    {
      "parent": "179439d6-df16-41cc-bd2c-74d05b7995d5",
      "name": "Node 3",
      "type": "Structure",
      "children": []
    },
    {
      "parent": "622272da-f1ff-45ab-a3f0-c8f1255c80e8",
      "name": "Node 4",
      "type": "Structure",
      "children": []
    }
  ],
  "id": "622272da-f1ff-45ab-a3f0-c8f1255c80e8"
}
```

Delete the project

URL / Resource / JSON Structure

Resource: projects/<project_id>

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

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

HTTP Method

DELETE

Description

Deletes a specified project.

Request

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

Response

Status
Status: 200 OK

Get project actions rights

URL / Resource / JSON Structure

Resource: project-actions-rights

URL: <https://api-stage.bimplus.net/v2/project-actions-rights>

HTTP Method

GET

Description

Purpose of this API call is to get required project rights for a Bimplus action.
This is a static API call, meaning it's global for all the projects, and the response can only change after the deploy.

Returns list of pairs of :
- name of the action (event)
- required right the user must have for a project, to be able to execute that action

Currently used project rights are:

- ProjectAdmin
- ProjectDelete
- ProjectEdit
- ProjectView
- ModelViewAll
- ModelCreate

Clients can use this API to automatically handle access to Bimplus actions according to the role the user have in the project, e.g. enable/disable action buttons, ...

And if Bimplus server will decide to change required project user rights for some action, this change will be reflected on the client automatically, without having to change the client's code.

Important note:

- this call does not includes all the Bimplus actions, but mostly those related to project and issues : actions of projects, models, issues, attachments, comments, pins, slides, slideshows, bcf, ..

Request

Headers

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

Response

Status

Status: 200 OK

JSON

```
[
  {
    "action": "UPDATE_PROJECT",
    "right": "ProjectEdit"
  },
  {
    "action": "DELETE_PROJECT",
    "right": "ProjectDelete"
  },
  {
    "action": "CREATE_MODEL",
    "right": "ModelCreate"
  },
  {
    "action": "UPDATE_MODEL",
    "right": "ProjectEdit"
  },
  {
    "action": "GET_MODEL",
    "right": "ProjectView"
  },
  {
    "action": "DELETE_MODEL",
    "right": "ProjectEdit"
  },
  {
    "action": "DOWNLOAD_MODEL",
    "right": "ProjectView"
  },
  {
    "action": "CREATE_ISSUE",
    "right": "ProjectEdit"
  },
  {
    "action": "GET_PROJECT_ISSUES",
    "right": "ProjectView"
  },
  {
    "action": "DELETE_PROJECT_ISSUES",
    "right": "ProjectAdmin"
  },
  {
    "action": "CREATE_COMMENT",
    "right": "ProjectEdit"
  },
  ...
]
```

Filtering and paging

Filtering and paging is implemented for following requests:

- get list of projects
- get project attachments
- get project issues (only paging, not filtering)

Paging

Using following query parameters :

- page - requested number of page
- pageSize - size of page
- sortColumn - name of the column (property) by which the list is sorted
- sortDirection - ascending or descending

Examples :

GET https://api-stage.bimplus.net/v2/<team_slug>/projects/<project_id>/attachments?
page=1&pageSize=5&sortColumn=fileName&sortDirection=descending

GET https://api-stage.bimplus.net/v2/<team_slug>/projects/<project_id>/issues?page=2&pageSize=10

GET https://api-stage.bimplus.net/v2/<team_slug>/projects?sortColumn=name&sortDirection=ascending

Filtering :

Using a filter added as a query parameter. Filter has following format : ?filter=<property><operator><value>

For the "property" you may use any property of the requested resource, or even inner property, e.g. creator.Email

Supported operators are : "=", "!=" , "<" , ">" , ">=" , "<=" and "*"

It is also possible to combine expressions in filter using AND operator : ?filter=<property1><operator1><value1>%26<property2><operator2><value2>%26,,,

The %26 is just url encoding of '&' = AND. The encoding is required because otherwise it will be considered as another query parameter, and not part of a filter. Combination using OR is not supported

Examples :

GET https://api-stage.bimplus.net/v2/<team_slug>/projects?filter=name=MyProject - get project by name

GET https://api-stage.bimplus.net/v2/<team_slug>/projects?filter=name=MyProject* - get projects where name starts with "MyProject"

GET https://api-stage.bimplus.net/v2/<team_slug>/projects/<project_id>/attachments?filter=size>500000 - get attachments with size greater then ...

GET https://api-stage.bimplus.net/v2/<team_slug>/projects/<project_id>/attachments?filter=creator.email=myuser@allplan.com%26createdAt>2016-07-27T07:00:00 - get attachments created by the given user since the time