

4.37 Export IFC Service

Export IFC Service

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Export IFC Service

This service is used to export existing objects, models inside a project to IFC files.

Export model to IFC file

URL / Resource / JSON Structure

Resource: projects/<project_id>/model/<model_id>/exportasync

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

Example: <https://api-stage.bimplus.net/v2/bimplus/projects/de87fc4d-cb5d-44ba-b2ea-1d96ac564a8a/model/4744b3a2-db5f-46d4-8da1-38d9cfe5aafa/exportasync>

JSON Structure: no body is required

Optional query parameters: Used to refine the set of exported object from requested model

Name	Type	Default value	Description
revision	int		When query parameter "revision=<Nr>" is defined, the API will export objects requested revision <Nr>, e.g.: to export second revision use "revision=2". When revision is missing the most recent model revision will be exported.
fileDelete	int		When query parameter "fileDelete=1" is set, the temporary IFC file created by IFC export will not be deleted, otherwise temporary file is deleted.
emptyPropExport	int		When query parameter "emptyPropExport=1" is set, the empty IFC element properties will be exported to ifc file. When this parameter is missing or has different value empty IFC element properties will NOT be exported.
propSetExport	int		When query parameter "propSetExport=1" is set, the custom project property set will be exported, otherwise default project property set (IFC4 Advanced) will be exported.

HTTP Method

POST

Description

This API function creates new record to internal job list to asynchronously export required data to file in IFC format. Created record will be processed by export worker service automatically. Exported are always all elements from model.

Request

Headers
Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088

Response

Status
Status: 202 Accepted When the same export request for the same user, model and project is already recored in queue, will be returned Status : 302 Redirect

Export selected elements to IFC file

URL / Resource / JSON Structure

Resource: selections/<selection_id>/exportasync

URL: [https://api-stage.bimplus.net/v2/ <team_slug>/selections/<selection_id>/exportasync](https://api-stage.bimplus.net/v2/<team_slug>/selections/<selection_id>/exportasync)

Example: <https://api-stage.bimplus.net/v2/bimplus/selections/F16623C4-BC16-4CBC-846C-B5959D445009/exportasync>

JSON Structure: no body is required

Optional query parameters: Used to refine the set of exported object from requested model

Name	Type	Default value	Description
fileDelete	int		When query parameter "fileDelete=1" is set, the temporary IFC file created by IFC export will not be deleted, otherwise temporary file is deleted.
emptyPropExport	int		When query parameter "emptyPropExport=1" is set, the empty IFC element properties will be exported to ifc file. When this parameter is missing or has different value empty IFC element properties will NOT be exported.
propSetExport	int		When query parameter "propSetExport=1" is set, the custom project property set will be exported, otherwise default project property set (IFC4 Advanced) will be exported.

HTTP Method

POST

Description

This API function creates new record to internal job list to asynchronously export elements defined in selection to file in IFC format. Created record will be processed by export worker service automatically. Exported are always all elements defined in selection.

Request

Headers
Authorization: BimPlus 9c1874a62c974dcfa75e0132c423a088

Response

Status
Status: 202 Accepted When the same export request for the same user, model and project is already recored in queue, will be returned Status : 302 Redirect