CDBB V1.6.0

# Project Export **File** Structures

V1.01

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Knowledge of JSON is required to understand the contents of this file.

There are two export formats utilised by CDBB Line of Sight.

1) Project based format provided by the Java back end

2) Showcase version provided by the Showcase front end.

## Project based format provided by the Java back end V1.0.2

The project export function produces a JSON formatted data file which defines a project for import back into the same system or a third party system. For third-party imports all POOs/OOs are ignored.

There is always a version number as part of the export allowing changes to the export format whilst permitting older versions to be read back where possible. Export will always use the latest version number supported by the system.

Use the tables below to recreate the structure of a project file.

|  |  |
| --- | --- |
| Main Project Structure |  |
| "export\_version": "1.0.2", | Format version (allows backend to handle import multiple versions) |
| "project": { | Project data |
| "project\_name": "Sample Project", | Project Name |
| "poos": [], | Array of Project Organisational Objectives |
| "frs": [], | Array of Functional Requirements not linked to POO |
| "fos": [], | Array of Functional Outputs not linked by FR |
| "assets": [] | Array of Assets not linked by FO |
| }, |  |
| "fo\_dd": [], | Functional Output data dictionary used for project |
| "asset\_dd": [], | Asset data dictionary used for project |

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| --- | --- |
| Project Organisational Objective (POO) |  |
| "id": <POO id>, | e.g. "4d0a44c2-0a49-45c7-914c-bb1a3cf14509" |
| "projectId": <project id>, | e.g. "387dac90-e188-11ec-8fea-0242ac120002" |
| "ooVersion": { |  |
| "id": <id of Organisational Objective version>, | e.g. "3a1e57a7-bc10-48e4-b8a7-2ced7ba38e73" |
| "dateCreated":<utc time mseconds>, | e.g. 1687940590000 |
| "oo" | Latest Organisational Objective |
| }, |  |
| "frs": [] | Linked Functional Requirements |

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| --- | --- |
| Organisational Objective |  |
| id": <OO id>, | e.g "fc2aae01-5543-4218-adda-99f459e61295" |
| "name": <name>, | e.g. "Objective #2" |
| "deleted": <true | false>, | e.g. deleted status |
| "oirs": [] | Array of OIRs |

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| --- | --- |
| Functional Requirement (FR) |  |
| "id": <FR id>, | e.g. "884deff4-9a42-4436-8ef2-561777a4f3fd" |
| "name": <name>, | Functional Requirement title e.g "FR #2" |
| "fos": [] | Linked Functional Outputs |

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| --- | --- |
| Functional Output (FO) |  |
| "id": <FO id> | e.g. "0d72e486-74cf-45bc-b11e-cbb7a16b698f" |
| "firs": [] | Array of Functional Information Requirments |
| "assets": [] | Linked assets |
| "foDde" | The Functional Output data dictionary entry |

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| --- | --- |
| Functional Input Requirement (FIR) |  |
| "id": <FIR id>, | e.g. "47977a92-14e1-11ee-bae6-564b7569b13b" |
| "firs": <title>, | e.g. "FIR #2" |
| "fos": <Parent FO id> | e.g. "0d72e486-74cf-45bc-b11e-cbb7a16b698f" |

|  |  |
| --- | --- |
| Asset |  |
| "id": <Asset id>, | e.g. "5799ee92-f25c-4173-aecd-dfa871719065" |
| "airs": [] | Array of Asset Information Requirements |
| "assetDde" | The Asset data dictionary entry |

|  |  |
| --- | --- |
| Asset Information Requirement (AIR) |  |
| "id": <AIR id>, | e.g "47977273-14e1-11ee-bae6-564b7569b13b" |
| "airs": <title>, | e.g. "AIR #2" |
| "assets": <Parent Asset id>, | e.g. "5799ee92-f25c-4173-aecd-dfa871719065" |
| "oirs": [] | Linked Organisational Objective Information Requirements |

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| --- | --- |
| Organisational Objective Information Requirement (OIR) |  |
| "id": <OIR id>, | e.g. "603b9d7a-f224-46fa-8751-6aa08f62952b" |
| "oir": <title>, | e.g. "OIR #3" |
| "ooId": <Parent OO id> | e.g. "fc2aae01-5543-4218-adda-99f459e61295" |

|  |  |
| --- | --- |
| Functional Data Dictionary |  |
| "fo\_dd\_name": <name>, | Functional Output data dictionary name e.g. "Uniclass2015\_EF\_v1\_10" |
| "fo\_dd\_id": <fo dd id>, | Functional Output data disctionary unique id e.g. "97ee7a74-e8c7-11ec-8fea-0242ac120002" |
| "dd\_entries": [] | Array of Functional Output data dictionary entries |

|  |  |
| --- | --- |
| Asset Data Dictionary |  |
| "asset\_dd\_name": <name>, | Asset data dictionary name e.g. "Uniclass2015\_Ss\_v1\_25" |
| "asset\_dd\_id": <fo dd id>, | Asset data disctionary unique id e.g. "e1970a24-e8c7-11ec-8fea-0242ac120002" |
| "dd\_entries": [] | Array of Asset data dictionary entries |

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| --- | --- |
| Data Dictionary Entry | For Functional Outputs and Assets |
| "entry\_id": <entry id>, | Data dictionary entry id e.g "EF\_15" |
| "text": <entry title> | Data dictionary entry title e.g. "Earthworks and remediation" |

## Showcase **format**

This format is generated by the Showcase front end. It is a JSON formatted file and differs significantly from the full version for a variety of reasons e.g there are no data dictionaries as these are fixed.

|  |  |
| --- | --- |
| Main Structure |  |
| "import\_version": "0.0.0" |  |
| "fos": [] | Array of Functional Outputs |
| "frs": [] | Array of Functional Requirements |
| "assets": [] | Array of Assets |
| "poos": [] | Array of Project Organisational Objectives |

|  |  |
| --- | --- |
| Project Organisational Objective |  |
| "id": <POO id>, | e.g. "6dacc381-486f-4197-8913-675e75e57976" |
| "project\_id": <project id>, | e.g. "782cc8a4-92f4-4c53-8e9e-9ece18442f52" but not used |
| "name": <>, | e.g. "Objective 1" |
| "oo\_version\_id": "", | Not used |
| "oo\_is\_deleted": false, | Not used |
| "oo\_versions": [], | Not used |
| "oirs": [] | Array of Organisational Objective Information Requirements |
| "deleted\_oirs": [], | Not used |
| "frs": [] | Array of linked Functional Requirement ids |

|  |  |
| --- | --- |
| Organisation Objective Information Requirement |  |
| "id": <OIR id>, | e.g. "363db8ad-433e-48c2-84fc-36a85e340ee9" |
| "oir": <title>, | e.g. "OIR 1" |
| "airs": [] | Array of linked Asset Information Requirements |

|  |  |
| --- | --- |
| Asset Information Requirement |  |
| "id": <AIR id>, | e.g. "887747f9-abd2-47a1-a6c6-a68a5b2ffd4d" |
| "airs": <title>, | e.g. "Air 1" |
| "oirs": [] | Array of linked Organisational Objective Information Requirements. |

|  |  |
| --- | --- |
| Functional Outputs |  |
| "id": <FO id>, | e.g. "d0e1658c-5147-41e1-a17f-94943dca46b2" |
| "data\_dictionary\_entry", |  |
| "name": "", |  |
| "assets": [] | Array of Asset ids |
| "firs": [] | Array of Funtional Information Requirements |

|  |  |
| --- | --- |
| Asset |  |
| "id": <Asset id>, | e.g. "2b025688-0bc1-4bc1-8d58-2a1fdf10c43a" |
| "data\_dictionary\_entry": | Asset data dictionary entry |
| "airs": [] | Array of Asset Information Requirements |

|  |  |
| --- | --- |
| Funtional Information Requirement |  |
| "id": "", |  |
| "firs": <title> | e.g. "Fir 1" |

|  |  |
| --- | --- |
| Functional Requirement |  |
| "id": <FR id>, | e.g. "a40abe1c-5168-4271-9acf-24c5b5628766" |
| "name": <name>, | e.g. "FR 1" |
| "fos": [] | Array of linked Functional Output ids |

|  |  |
| --- | --- |
| Data Dictionary Entry | For Functional Outputs and Assets |
| "id": <entry id>, | Data dictionary entry id e.g "EF\_15" |
| "entry\_id": <entry id>, | Data dictionary entry id e.g "EF\_15" |
| "text": <entry title> | Data dictionary entry title e.g. "Earthworks and remediation" |

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