

Database Model

Frameworks

- Each framework is in the frameworks collection
- Each framework has one catalog document that describes the structure of framework as a tree.

Documents

- Documents are broken down into two types catalog and non-catalog documents.
- Documents must have these mandatory fields:
 - name
 - frameworks
 - types
- There are 3 types of documents:
 - catalog – This is used for retrieving the entire framework
 - control – This specifies a security control
 - reference – These hold references to other controls.

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Catalog Documents

- Catalog documents have the following structure:

```
{
    "framework": "frameworkname",
    "name": "frameworkname-catalog",
    "type": "catalog",
    "busType": "some type",
    "begin": [
        the structure of the tree in a nested format
    ]
}
```

Control Documents

- This is the standard template for a control document

```
{
    "framework": "frameworkname",
    "id" : "some id"
    "name": "docname",
    "type": "control",
    "description": "some description"
}
```

Reference Documents

- Hard coded references have the following structure

```
{
    "id" : " some id",
    "name": "some name",
}
```

- ```
 "references": ["ref1", "ref2"]
 }

```
- Dynamic references have the following structure

```
{
 "id" : " some id",
 "name": "some name",
 "description": "some description"
}
```