

Configuration File Usage Guide

This guide provides instructions on how to use the attribute name and attribute value when migrate data from reqif to json and from json to rst.

Reqif to Json Configuration

The module configuration section allows you to define different modules with their associated properties.

Module Name

Format config:

```
module:
  name:
    key: {json key of module name}
    value_type: {type}
    value_mapping:
      {old value}: {new value}
      {...other value mapping...}
    default_value: {default value}
```

Example config:

```
module:
  name:
    key: Module Name
    value_mapping:
      name1: name2
    default_value: empty
```

Module Type

Format config:

```
module:
  type:
    key: {json key of module type}
    value_type: {type}
    value_mapping:
      {old value}: {new value}
      {...other value mapping...}
    default_value: {default value}
```

Example config:

```

module:
  type:
    key: Module Type
    value_mapping:
      type1: type2
      default_value: empty

```

Artifacts

Format config:

```

module:
  artifacts:
    key: {json key of artifacts}
    artifact:
      type:
        key: {json key of artifact type}
        value_type: {type}
        value_mapping:
          {old value}: {new value}
          {...other value mapping...}
          default_value: {default value}
      {reqif value}:
        key: {json key of reqif value} # if not pass default is reqif value
        value_type: {type}
        value_mapping:
          {old value}: {new value}
          {...other value mapping...}
          default_value: {default value}
      {...other reqif value mapping...}
      # if not pass reqif config, it will default key

```

Example config:

```

module:
  artifacts:
    key: List Artifact Info
  artifact:
    type:
      key: Attribute Type
      value_mapping:
        Heading: Title
        Information: Data
        MO_FUNC_REQ: MO_FUNC_REQ_new
        default_value: type
    ReqIF.ForeignID:

```

```

    key: Identifier
    value_type: number
  ReqIF.ForeignCreatedBy:
    key: Creator
  ReqIF.ForeignModifiedOn:
    key: Modified On
    value_type: date
  ReqIF.Text:
    value_type: html_string

```

Value type:

1. `string`
2. `number`
3. `date`
4. `html_string`

Default type is `string`

reStructuredText Configuration

This section defines custom directives for specific artifact types.

```

module:
  artifacts:
    artifact:
      __rst__:
        heading:
          artifact_type: {heading type} # map with heading type in json
          content: {content of heading} # can be a key in json or a raw
string
          information:
            artifact_type: {information type} # map with information type in
json
            directives:
              name: {name of directive}
              content: {}
              attributes:
                {attribute name}: {attribute value} # can be a key in json or
a raw string
                {...other attribute config...}
              directives: # subdirective config. It can be an array of
directive in yaml
                - name: {name of directive}
                  content: {}
                  attributes:
                    {attribute name}: {attribute value} # can be a key in json
or a raw string
                    {...other attribute config...}
                - name: {name of directive}
                  content: {}

```

```

        attributes:
        {attribute name}: {attribute value} # can be a key in json
or a raw string
        {...other attribute config...}

```

Example config:

```

module:
  artifacts:
    artifact:
      __rst__:
        heading:
          artifact_type: Title
          value: Title
        information:
          artifact_type: Data
          directives:
            name: sw_req
            attributes:
              id: Identifier
              artifact_type: Information
              html_content: ReqIF.Text
        other:
          directives:
            - name: sw_req
              attributes:
                id: Identifier
                artifact_type: Description
                crq: crq
                createdOn: Created On
                html_content: ReqIF.Text
              sub_directives:
                verify: Verification Criteria
                safety_level: Safety Classification

```