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|  | Guide to understand configuration documents |
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# Introduction

## Scope

This document is a guide to help a user understand how to read the configuration document.

## Intended Audience

This document is written to be understood by Gorba staff familiar with Gorba products. Minimal technical skills are required.

# Format of the configuration document

The following documents have the format as is described in this document.

TD\_HardwareManager

TD\_InfomediaDocumentation

TD\_SystemManagerDocumentation

TD\_UpdateDocumentation

The documents each contain initial chapters with the System Overview and description of the functionality of the application.

## Example Configuration

The section of the document describing the configuration of the application starts with an example configuration. The example configuration is a sample xml file that is used by the application. It contains most of the possible configuration parameters which is used to test the application. It does not represent a real-life usage example.

**Many of the elements of the xml file in the example configuration have a hyperlink. Upon clicking on the element, it directs the user to the chapter providing a description of the configuration of that element.**

## XML structure

This chapter provides a description of the complete structure of the xml file which is used to configure an application.

The xml file is described by putting the elements in the xml file into a tabular format which is called a “Structure”.

The attributes of an xml element is placed in a separate tabular format also called a “Structure”.

If an xml element has values which can set based on an enumeration, then the enumerations are described in the separate tabular format called “Enumeration”.

### Order of elements in the structure table

The order in which the elements are described in the structure table must be the same order that is used to configure the application in the xml file.

### Structure table for XML elements

The first table under the XML structure chapter provides the table with all the xml elements that are directly under the root element. The subsequent tables provide information about the xml elements under the primary ones or attributes.

Below is an example of the dummy configuration of a structure with a few rows of different types of possible configurations. The title of the columns help to understand what each of the column contains.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the XML element** | **Number of Occurances (min:max)** | **Type of Value of XML Element** | **Description of XML element and usage** |
| <StartOption> | 0:\* | Boolean | Indicates whether to start something or not. |
| <Structure> | 1:1 | StructureConfig | The structure related configuration |
| <ListOfConfigs> | 0:1 | List of <ListOfConfig> | The types of config available |

#### Name of the XML element

This column specifies the XML element name as it is specified in the \*.xml file.

#### Number of occurances

This column specifies the number of occurrences of this which are either required or is possible within the xml file.

**Example: 0:\*** => This implies that the specified element in first column can either be not configured in the xml file or can occur multiple times in the xml file.

**Example: 1:1** => This implies that the specified element in first column **must** occur once in the xml file.

**Example: 0:1** => This implies that the specified element in first column can either be not configured in the xml file or can occur only once if configured in the xml file.

#### Type of value of XML element

This column specifies the type of the value to be set for the xml element in the first column.

The value can be directly a type like Boolean, string, integer, duration (timespan) or a structure which will have further definition defined in another table of configuration structure which is available in the chapter specified in brackets next to it.

#### Description of XML element and its usage

This column provides the basic explanation of the use of the xml element in the first column.

### Structure table for XML attributes

Below is an example of the dummy configuration of a structure for an attribute with an example of the possible configurations. The title of the columns help to understand what each of the column contains.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the XML attribute** | **Number of Occurances (min:max)** | **Type of Value of XML attribute** | **Description of XML attribute and usage** |
| AttributeSample= | 1:1 | Boolean | Flag indicating whether to use the sample or not |

#### Name of the XML attribute

This column specifies the XML attribute name as it is specified in the \*.xml file. The name is followed by an “=” sign which indicates it is an attribute.

#### Number of occurances

This column specifies the number of occurrences of this which are either required or is possible within the xml file. The examples are the same as described in chapter 2.2.2.2. Attributes can never exist multiple times, therefore only “1:1” and “0:1” are used.

#### Type of value of XML attribute

This column specifies the type of the value to be set for the xml attribute in the first column.

The value can be directly a type like Boolean, string, integer, duration (timespan) or an enumeration which will have further definition defined in another table of enumeration options which is available in the chapter specified in brackets next to it.

#### Description of XML attribute and its usage

This column provides the basic explanation of the use of the xml attribute in the first column.

### Structure table for Enumerations

Below is an example of the dummy configuration of a n enumeration option with a few rows of different types of possible configurations. The title of the columns help to understand what each of the column contains.

|  |  |
| --- | --- |
| **Value of the Enumeration** | **Description of the enumeration option** |
| Option1 | This the options to use if you want to do task 1 |
| Option2 | This the options to use if you want to do task 2 |

#### Value of the Enumeration

This column provides the actual values of the enumeration to be used in configuring the parameter in the xml file. Enumerations are the different options of values available to be set for a particular parameter.

#### Description of the enumeration option

This column provides the implication of using the enumeration specified in the first column. It provides the result on the hardware when the enumeration specified in the first column is applied to the parameter in the xml file.

## Example Usages

The configuration description is followed by a few example usages of how to configure the application for specific features of the application.