XML Definition

Builds are defined in an XML Schema file which is located at “cgi_studio_connector/schema/BuildProject.xsd”. This file can be used to validate xml files and with some editors (e.g. Visual-Studio) and provide code-completion when writing the XML file.

BuildProject-Element

Root Element. Contains list of Root-Paths, global Variables and Builds.

Attributes:

Argument	Required	Description
version	Yes	Version of the Build-Project file.

Children:

Argument	Occurrence	Description
RootPaths	1	List of Root-Paths
Variables	1	List of global Variables. These Variables can be used in any Build.
Builds	1	List of Builds

RootPaths-Element

Defines a list of Root-Paths.

Attributes:
None

Children:

Argument	Occurrence	Description
RootPath	0 - *	Root-Path

Variables-Element

Defines a list of Variables.

Attributes:
None

Children:

Argument	Occurrence	Description
Variable	0 - *	Variable

Builds-Element

Defines a list of Builds.

Attributes:
None

Children:

Argument	Occurrence	Description
Build	0 - *	Build

RootPath-Element

Defines a Root-Path. Root-Paths can be referenced by variables to make them relative to a common path.

Attributes:

Argument	Required	Description
name	Yes	Name of the Root-Path.
description	No	Description of the argument.

Children:
None

Variable-Element

A variable for the build which will be applied for all executed scripts.

Attributes:

Argument	Required	Description

name	Yes	Name of the variable.
type	Yes	Type of the variable. Valid values are ‘Value’, ‘Option’, ‘Path’ and ‘File’
root_path_key	No	If set, paths (or files) will be relative to the given Root-Path.
value	Yes	Value of the variable. If the type is ‘Option’, valid values can be specified as a list of values separated by semicolons. If left blank, any value is considered valid.
description	Yes	Description of the variable.

Children:
None

Build-Element

A build which can be executed.

Attributes:

Argument	Required	Description
name	Yes	Name of the build.
description	Yes	Description of the build.

Children:

Argument	Occurrence	Description
ScriptPath	1	Path to the script files which should be executed for this build.
OutputPath	1	Output-Path for this build.
Variable	0 - *	Variable for this build

ScriptPath-Element

Path to the script files which are executed when this build is started. The script files should start with a number to indicate their execution order.

Attributes:

Argument	Required	Description
value	Yes	Relative path.
root_path	No	If set, path will be relative to the given Root-Path.

Children:
None

OutputPath-Element

Main output path for this build. Even if the build doesn't produce any artifacts or generates output into other directories, at least the log file will be saved here.

Attributes:

Argument	Required	Description
value	Yes	Relative path.
root_path	No	If set, path will be relative to the given Root-Path.

Children:
None

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