DocBook 5.2 CR1 Release Notes

14 April 2022

Background

DocBook is general purpose XML schema particularly well suited to books and papers about computer hardware and software (though it is by no means limited to these applications).

The DocBook Technical Committee [https://www.oasis-open.org/committees/docbook/] at OASIS Open maintains the DocBook schema. Starting with V5.0, DocBook is normatively available as a RELAX NG Schema (with some additional Schematron assertions). DocBook builds on existing XML technologies: it uses XLink for linking, W3C XML Datatypes for atomic data types, and supports the use of XInclude for transclusion.

Note

> DocBook has been under active maintenance for more than 20 years, it began life as an SGML document type definition.

The current DocBook released standard is version 5.1 The version described here is DocBook version 5.2 Candidate Release 1. Before submission to the OASIS standards process, the DocBook Technical Committee is making it available to the DocBook user community for review and testing.

The DocBook Technical Committee welcomes bug reports from the user community. Please send comments and requests for enhancement to the DocBook comments list, docbook-comment@lists.oasis-open.org mailing list. Outstanding requests can be seen in the archives as well as in the issues tracker on Github [https://github.com/docbook/docbook/issues] interface.

Significant differences in 5.2

- Many new synopsis elements for programming languages.
- New `danger` admonition element.
- New `formalgroup` element to support subfigures, etc.
- New transclusion fixup attributes.
- New `class` attribute on `section` et al to support legal sections.
- New `meta` element added to `info`.
- Added XInclude-enabled schema versions assemblyxi.rng and dbitsxi.rng.

Changes from DocBook 5.1 to DocBook 5.2 CR1

The following lists describe all the changes in 5.2. For details about elements, attributes, and content models, please refer to the online documentation for the DocBook 5.2 schema in *DocBook 5.2: The Definitive Guide* [https://tdg.docbook.org/tdg/5.2/] which has been updated to include all these changes.

New Elements

Added new element `buildtarget`.

Added new element `danger`.

Added new element `enumidentifier`.

Added new element `enumitem`.

Added new element `enumitemdescription`.

Added new element `enunname`.

Added new element `enumsynopsis`.

Added new element `enumvalue`.

Added new element `formalgroup` as multiples of `figure`, `table`, `example`, `equation` (but not mixed).

Added new element `macrodef`.

Added new element `macroname`.

Added new element `macroprototype`.

Added new element `macrosynopsis`.

Added new element `meta`.

Added new element `packagesynopsis`.

Added new element `specializedtemplate`.

Added new element `synopsisinfo` with verbatim content model.

Added new element `template`.

Added new element `templatename`.

Added new element `typedefname`.

Added new element `typedefsynopsis`.

Added new element `union`.

Added new element `unionname`.

Added new element `unionsynopsis`.

New Attributes

Added `db.trans.idfixup.attribute` = "none|suffix|auto".

Added `db.trans.suffix.attribute` as "text" with a Schematron rule to force idfixup attribute if suffix used.

Added `db.trans.linkscope.attribute` = "user|local|near|global"

Added `trans:idfixup`, `trans:suffix`, and `trans:linkscope` to common attributes.

Added `pubwork` attribute = "article|bbs|book|cdrom|chapter|dvd|emailmessage|gopher|journal|manuscript|newsposting|part|refentry|section|series|set|webpage|wiki|other" to biblioentry and bibliomixed

Added `otherpubwork` attribute for when `pubwork="other"` specified, but no Schematron to enforce it.

Added optional `type` attribute (text) to `procedure` element.

Added optional `type` attribute to `example`, `informalexample`, `figure`, `informalfigure` elements.

Added `fgstyle` attribute, used in `formalgroup` only.

Added enumerated `class` attribute to `section` as "legal | other"

Added `class` attribute = "legal|other" to `sect1` through `sect5`.

Added `otherclass` attribute to `section` to support other values.

Added "other" to existing `article` class attribute enumeration.

Added `otherclass` attribute to `article`.

Added a `type` attribute to `table` and `informaltable` elements (CALS and HTML table syntax).

Added a `type` attribute to `equation` and `informalequation`.

Added `class` attribute with enumerated values "union|intersection" to `type` element.

Added Schematron rule to exclude `danger` element as descendant of admonitions.

Added `packageref` attribute to `cmdsynopsis, funcsynopsis, classsynopsis, fieldsynopsis, constructorsynopsis, destructorsynopsis, methodsynopsis, macrosynopsis, unionsynopsis, enumsynopsis, typedefsynopsis, packagesynopsis`.

Content Model Changes

Added db.programmingsynopsis element to db.synopsis.blocks.

Changed db._any to remove html: reference.

Added db.revnumber to db.publishing.inlines

Added db.wrapper.blocks to db.nopara.blocks.

Added `meta` element to `info` set. Can be empty or block and inline content.

Changed `abstract` content from db.para.blocks+ to db.all.blocks+ to expand its content model.

Added Schematron rule to `footnote` to exclude `danger` element (similar to other admonitions).

Added Schematron rule to `caption` to exclude `danger` element (similar to other admonitions).

Added Schematron rule to exclude `danger` element as descendant of admonitions.

Added optional `info` child to `listitem` element.

Added `multimediaparam` children to `imagedata` element (already allowed on `audiodata` and `videodata`).

Allowed `refentry` in `sect1` through `sect5` (already allowed in `section`).

Added elements `buildtarget, templatename, macroname, unionname, enumname, enumvalue, enumidentifier, typedefname` to the list of programming inlines.

Added elements `enumsynopsis, typedefsynopsis, packagesynopsis, macrosynopsis, unionsynopsis, enumsynopsis, typedefsynopsis` to the list in db.synopsis.blocks.

Added `packagesynopsis, macrosynopsis, typedefsynopsis,` and `enumsynopsis` to the db.programmingsynopsis set.

Added elements `templatename` and `void` to `funcdef` content model.

Added elements `templatename` and `modifier` to `paramdef` content model.

Added elements `info, templatename, template,` and `ooexception` to `classsynopsis` content model.

Added element `info, synopsisinfo` to `constructorsynopsis` content model.

Added element `info, synopsisinfo` to `destructorsynopsis` content model.

Added elements `info, synopsisinfo,` and `templatename` to `fieldsynopsis` content model.

Added elements `info, synopsisinfo,` and `templatename` to `methodsynopsis` content model.

Added element `templatename` to `methodparam` content model.

Added programming inlines to `type` element.

Allow `optional` element to nest in `optional` element.

Other Changes

Added trans namespace declarations for transclusion.

Added 10 s: schematron namespace declarations.

Added db.wrapper.blocks to "start" set.

Defined db.wrapper.blocks as db.formalgroup.

Deleted db.programmingsynopsis named pattern (only used in start, now handled by db.synopsis.blocks).

Removed unnecessary \x{a} whitespace from Schematron rules.

Added a Schematron rule to callout element so @arearefs must point to areaset, area, or co.

Added a Schematron rule to EBNF production constraint element so its @linkend must point to a constraintdef.

Added a Schematron rule to EBNF production productionrecap element so its @linkend must point to a production element.