

Element Reference

The eCromedos Markup-Language (v1.0.1)

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`http://www.ecromedos.net`

Contents

Definitions	4
A – C	5
abstract	5
appendix	5
article	5
author	6
b	6
bibitem	6
biblio	6
book	6
br	7
caption	7
chapter	7
cite	7
code	8
col	8
colgroup	8
color	9
counter	9
D – L	10
date	10
dd	10
dl	10
dt	10
entity	10
equation	10
figure	11
footnote	11
glossary	11
i	11
img	11
label	12
large	12
li	12
listing	12
M – S	13
m	13
marginal	13
medium	13
minisection	13
nobr	13
ol	13
p	14
pagebreak	14

Contents

pageref	14
preface	14
publisher	14
q	14
qq	14
ref	15
report	15
section	15
small	16
span	16
subject	16
subsection	16
subsubsection	16
T – Z	17
table	17
td	17
th	18
title	18
tr	18
tt	18
u	19
ul	19
verbatim	19
x-large	19
x-small	19
xx-large	19
xx-small	19
y	20

Definitions

Throughout this reference manual, the grammar for Document Type Definitions (DTD), as defined in the XML specification¹, is used to describe the interdependencies and allowed contents of the language elements.

Inside the DTDs that formally describe the eCromedos Markup Language, the following parameter entities are defined, that you should be aware of:

Parameter Entity Name	Definition
quoting-text	q qq
coloring-text	color
referencing-text	cite label ref pageref entity
formatting-text	span i b u tt xx-small x-small small medium large x-large xx-large nobr br pagebreak y
annotating-text	footnote marginal
math-text	m
counter-text	counter
inline-elements	%quoting-text; %coloring-text; %referencing-text; %formatting-text; %annotating-text; %math-text; %counter-text;
block-elements	(minisection figure table equation listing verbatim p ul ol dl pagebreak)*

¹The World Wide Web Consortium. *Extensible Markup Language (XML) 1.0 (Third Edition)*. W3C Recommendation, 2004. Available from <http://www.w3.org/TR/REC-xml/>.

A – C

abstract

Summary at the beginning of an article	
Parent elements	article
Child elements	p+

appendix

Appendix	
Parent elements	book
Child elements	title, %block-elements;, section*

article

Document class	
Parent elements	None
Child elements	head, abstract?, section*, glossary?, biblio?

Attribute	Value	Meaning
bcor	#CDATA	Extra indentation of the text body in millimeters (mm) or points (pt) to compensate for margin space lost when binding the document
div	#CDATA	eCromedos uses the \LaTeX package <i>KOMA-Skript</i> to control the page layout of printed documents. KOMA-Skript automatically determines the optimal size and position of the text body for a given papersize. To that end, it divides the page into <i>div x div</i> rectangles of equal size which serve as the basic units for dividing the page into margins and text body. The larger you choose div, the larger the resulting text area will be.
fontsize	10pt 11pt 12pt	Controls the font-size for print output
lang	#CDATA	Controls the language for automatic titles; currently one of english, german , spanish
papersize	#CDATA	Default is a4paper which is the standard pagesize in Germany. Other possible values are all common ISO papersizes.
secnumdepth	0 1 2 3 4	Controls to which depth section titles will be numbered. A value of zero will result in the document having no numbered sections, at all.
secsplitdepth	0 1 2 3 4	Controls to which depth of sectioning the output document will be split into individual files

A – C

tocdepth	0 1 2 3 4	Controls to which depth sections should have an entry in the table of contents; must be an integer value greater or equal to zero
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author

Document author		
Parent elements	head	
Child elements	(#PCDATA %inline-elements;)*	

b

Set text in bold print		
Parent elements	Any element that may contain formatted text	
Child elements	(#PCDATA %inline-elements;)*	

bibitem

Bibliography entry		
Parent elements	biblio	
Child elements	(#PCDATA %inline-elements;)*	

Attribute	Value	Meaning
label	#CDATA	Label representing this item in citations

biblio

Bibliography		
Parent elements	article, book, report	
Child elements	bibitem+	

Attribute	Value	Meaning
number	yes no	Controls whether bibliography items should be numbered or if the user-supplied labels should be used

book

Document class		
Parent elements	None	
Child elements	head, preface*, chapter*, appendix*, glossary?, biblio?	

Attribute	Value	Meaning
bcor	#CDATA	Extra indentation of the text body in millimeters (mm) or points (pt) to compensate for margin space lost when binding the document

div	#CDATA	eCromedos uses the \LaTeX package <i>KOMA-Skript</i> to control the page layout of printed documents. KOMA-Skript automatically determines the optimal size and position of the text body for a given papersize. To that end, it divides the page into <i>div x div</i> rectangles of equal size which serve as the basic units for dividing the page into margins and text body. The larger you choose div, the larger the resulting text area will be.
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secsplitdepth	0 1 2 3 4	Controls to which depth of sectioning the output document will be split into individual files
tocdepth	0 1 2 3 4	Controls to which depth sections should have an entry in the table of contents; must be an integer value greater or equal to zero

br

Breaks the current line	
Parent elements	All elements that may contain formatted text
Child elements	None

caption

Sets the caption of a table, figure or program listing	
Parent elements	figure, table, listing
Child elements	(#PCDATA %inline-elements;)*

chapter

Chapter	
Parent elements	book
Child elements	(title, %block-elements;, section*)

cite

Cites an entry from the bibliography	
Parent elements	Any element that may contain formatted text
Child elements	None

Attribute	Value	Meaning
label	#CDATA	Refers to the label of a bibliography entry

code

Tag for program code	
Parent elements	listing
Child elements	(#PCDATA %inline-elements;)*

Attribute	Value	Meaning
colorscheme	#CDATA	The default color-scheme used by the syntax-highlighter is <code>print</code> , which does not use any colors, at all, but just emphasizes keywords by setting them in bold or italic letters. If you want something more fancy, try setting this to <code>ide-eclipse</code> or <code>ide-codewarrior</code> . For more color-schemes take a look into the subdirectory <code>lib/highlight/themes</code> in the installation folder.
bgcolor	#CDATA	Defines a background color for this listing. Note that this may be overridden by the syntax-highlighter, when the <code>syntax</code> attribute is set.
linestep	#CDATA	If line-numbering is enabled, this controls the amount by which the counter is incremented from one line to the next.
startline	#CDATA	If this is set, the syntax-highlighter will additionally number each line. You can start counting at any integer value.
strip	yes no	Controls whether white-space should be stripped from the beginning and end of the contained text
syntax	#CDATA	If this is set, the contained code will be syntactically highlighted according to the syntax of the specified programming language. Some possible settings are: <code>c</code> , <code>python</code> , <code>xml</code> , <code>sql</code> . For information about other supported languages take a look into the subdirectory <code>lib/highlight/langDefs</code> in the installation folder.
tabspace	#CDATA	Controls how many spaces should be substituted for a horizontal tab

col

Used in table preambles to specify width and frame properties of a table column	
Parent elements	colgroup
Child elements	None

Attribute	Value	Meaning
frame	colsep	You may declare that the column separator will be turned on for one or more cells in this column by setting this to <code>colsep</code> . This will help the stylesheet to adapt the table's size to the width of the text body in printed documents.
width	#CDATA	Specifies the width of this column as the percentage of the overall table width

colgroup

Used in table preambles to give information about the width of each column
--

A – C

Parent elements	table
Child elements	col+

color

Set colored text	
Parent elements	Any element that may contain formatted text
Child elements	(#PCDATA %inline-elements;)*

Attribute	Value	Meaning
rgb	#CDATA	An HTML-style color specification, e.g. #ff0000 for a bright red

counter

Named counter	
Parent elements	Any element that may contain formatted text
Child elements	None

Attribute	Value	Meaning
label	#CDATA	A unique label among all labels and counters in the document. If set, you may refer to it via <code>ref</code> and <code>pageref</code> .
name	#CDATA	Name of the group of counters that this counter belongs to

D – L

date

Date of publication	
Parent elements	head
Child elements	(#PCDATA %inline-elements;)*

dd

Definition of an item in a definition list	
Parent elements	dl
Child elements	(#PCDATA %inline-elements;)*

dl

A glossary list	
Parent elements	Any element that may contain block elements
Child elements	dt, dd

dt

Item in a glossary list	
Parent elements	dl
Child elements	(#PCDATA %inline-elements;)*

entity

Access a predefined entity without including the DTD	
Parent elements	Any element that may contain formatted text
Child elements	None

Attribute	Value	Meaning
name	#CDATA	Name of the predefined entity to be substituted

equation

Mathematic equation set as block element	
Parent elements	Any element that may contain block elements

Child elements	<code>label?</code> , <code>m</code>
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Attribute	Value	Meaning
<code>number</code>	<code>yes</code> <code>no</code>	Toggles whether the equation should be numbered. You must enable this if you want to label the equation.

figure

Place a picture as block- or inline-element	
Parent elements	All elements that may contain block elements and <code>p</code>
Child elements	<code>(caption, label?)?</code> , <code>img</code>

Attribute	Value	Meaning
<code>align</code>	<code>left</code> <code>center</code> <code>right</code>	Controls the horizontal alignment of the figure. If the figure is set as an inline element in a paragraph, only <code>left</code> and <code>right</code> are allowed.
<code>float</code>	<code>yes</code> <code>no</code>	Decide if figure should float. If yes, \LaTeX will try to automatically find a good spot in the text to place it.

footnote

Places a footnote	
Parent elements	Any element that may contain formatted text
Child elements	<code>(#PCDATA %inline-elements;)*</code>

glossary

Glossary section	
Parent elements	<code>article</code> , <code>book</code> , <code>report</code>
Child elements	<code>dl</code>

i

Sets text in italic letters	
Parent elements	Any element that may contain formatted text
Child elements	<code>(#PCDATA %inline-elements;)*</code>

img

Include a bitmap graphic	
Parent elements	<code>figure</code>
Child elements	None

Attribute	Value	Meaning
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print-width	#CDATA	Width as the percentage of the overall width of the text body in printed documents. This may also be an absolute value in centimeters (cm) or points (pt).
screen-width	#CDATA	Width in pixels (px) or percentage (%) of the overall page width in screen documents
src	#CDATA	Location of the bitmap on the harddisk

label

Place a label for cross-references		
Parent elements	Any element that may contain formatted text	
Child elements	None	

Attribute	Value	Meaning
name	#CDATA	Unique name among all labels and counters in the document

large

Set text in large letters		
Parent elements	Any element that may contain formatted text	
Child elements	(#PCDATA %inline-elements;)*	

li

List item in ordered and unordered lists		
Parent elements	ul, ol	
Child elements	(#PCDATA %inline-elements;)*	

listing

A program listing		
Parent elements	Any element that may contain block elements	
Child elements	code	

M – S

m

Inline formula	
Parent elements	Any element that may contain formatted text
Child elements	#PCDATA

marginal

Marginal note	
Parent elements	Any element that may contain formatted text with the exception of table cells
Child elements	(#PCDATA %inline-elements;)*

medium

Set text in medium sized letters (default size)	
Parent elements	Any element that may contain formatted text
Child elements	(#PCDATA %inline-elements;)*

minisection

Pseudo sectioning element that may appear anywhere in the section hierarchy	
Parent elements	All elements that may contain block elements except minisection itself
Child elements	title, %block-elements;

nobr

Prevent a linebreak	
Parent elements	Any element that may contain formatted text
Child elements	(#PCDATA %inline-elements;)*

ol

An ordered list	
Parent elements	Any element that may contain block elements
Child elements	(li, (ul ol)?)+

p

A paragraph	
Parent elements	Any element that may contain block elements
Child elements	(#PCDATA title %inline-elements; figure)*

pagebreak

Causes a page break in print output	
Parent elements	Any element that may contain formatted text
Child elements	None

pageref

Prints the page number (L ^A T _E X) or filename (XHTML) on or in which the referenced label resides	
Parent elements	Any element that may contain formatted text
Child elements	None

Attribute	Value	Meaning
name	#CDATA	The name of a label

preface

Preface	
Parent elements	book
Child elements	title, %block-elements;

publisher

Publisher	
Parent elements	head
Child elements	(#PCDATA %inline-elements;)*

q

Single quotation marks	
Parent elements	Any element that may contain formatted text
Child elements	(#PCDATA %inline-elements;)*

qq

Double quotation marks	
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Parent elements	Any element that may contain formatted text
Child elements	(#PCDATA %inline-elements;)*

ref

Prints the counter of the element that contains the referenced label	
Parent elements	Any element that may contain formatted text
Child elements	None

Attribute	Value	Meaning
name	#CDATA	The name of a label

report

Document class	
Parent elements	None
Child elements	head, preface*, chapter*, appendix*, glossary?, biblio?

Attribute	Value	Meaning
bcor	#CDATA	Extra indentation of the text body in millimeters (mm) or points (pt) to compensate for margin space lost when binding the document
div	#CDATA	eCromedos uses the \LaTeX package <i>KOMA-Skript</i> to control the page layout of printed documents. KOMA-Skript automatically determines the optimal size and position of the text body for a given papersize. To that end, it divides the page into <i>div x div</i> rectangles of equal size which serve as the basic units for dividing the page into margins and text body. The larger you choose div, the larger the resulting text area will be.
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section

Section	
Parent elements	report, article, chapter
Child elements	title, %block-elements;, subsection*

small

Set text in small letters	
Parent elements	Any element that may contain formatted text
Child elements	(#PCDATA %inline-elements;)*

span

Control visibility of contained text over different media	
Parent elements	Any element that may contain formatted text
Child elements	(#PCDATA %inline-elements;)*

Attribute	Value	Meaning
visibility	Comma separated list of keywords: print, screen, all	Controls in which media the enclosed text will be visible

subject

Title page subject line	
Parent elements	head
Child elements	(#PCDATA %inline-elements;)*

subsection

Subsection	
Parent elements	section
Child elements	title, %block-elements;, subsubsection*

subsubsection

Subsubsection	
Parent elements	subsection
Child elements	title, %block-elements;

T – Z

table

Table element	
Parent elements	Any element that may contain block elements
Child elements	(caption, label?)?, colgroup, th?, tr*

Attribute	Value	Meaning
align	left center right	Horizontal alignment
float	yes no	Determines whether table should be a floating object in which case \LaTeX may relocate it, to optimize layout and text flow across pages.
frame	Comma-separated list containing any combination of top, bottom, left, right, rowsep, colsep	Use top, bottom, left, right to enable the outer frame elements. rowsep enables horizontal rules between rows for the entire table. colsep enables column separators for the whole table. rowsep and colsep can also be enabled per row or per cell.
print-rulewidth	#CDATA	Width in centimeters (cm) or points (pt) of the table's frame rules in printed documents
print-width	#CDATA	In printed documents: width in centimeters (cm), points (pt) or percent of the text body
rulecolor	#CDATA	An HTML-style color specification (e.g. #ff3322) determining the color of the table frame
screen-rulewidth	#CDATA	Width in pixels (px) of the frame rules in printed documents
screen-width	#CDATA	In screen documents: width in pixels (px) or percent of the overall page width

td

Table cell	
Parent elements	th, tr
Child elements	(#PCDATA %inline-elements;)*

Attribute	Value	Meaning
align	left center right	Horizontal text alignment
color	#CDATA	HTML-style color specification controlling the background color of this cell
colspan	#CDATA	Number of columns this cell spans

T – Z

frame	Comma-separated list containing any combination of rowsep, colsep	colsep enables the column separator on the right cell border. rowsep enables the horizontal rule below this cell.
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th

Table head row	
Parent elements	table
Child elements	td+

Attribute	Value	Meaning
color	#CDATA	HTML-style color specification controlling the background color of this row
frame	Comma-separated list containing any combination of rowsep, colsep	colsep enables the column separator for all cells in this row. rowsep enables the horizontal rule below this row.
valign	top middle bottom	Vertical text alignment for all cells in this row. Due to limitations imposed by \LaTeX , this cannot be set for individual cells.

title

Section title	
Parent elements	Any sectioning element
Child elements	(#PCDATA %inline-elements;)*

tr

Table row	
Parent elements	table
Child elements	td+

Attribute	Value	Meaning
color	#CDATA	HTML-style color specification controlling the background color of this row
frame	Comma-separated list containing any combination of rowsep, colsep	colsep enables the column separator for all cells in this row. rowsep enables the horizontal rule below this row.
valign	top middle bottom	Vertical text alignment for all cells in this row. Due to limitations imposed by \LaTeX , this cannot be set for individual cells.

tt

Print text in typewriter style	
Parent elements	Any element that may contain formatted text

T – Z

Child elements	(#PCDATA %inline-elements;)*
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u

Underline text	
Parent elements	Any element that may contain formatted text
Child elements	(#PCDATA %inline-elements;)*

ul

Bullet list	
Parent elements	Any element that may contain block elements
Child elements	(li, (ul ol)?)+

verbatim

Print text in typewriter letters preserving whitespace	
Parent elements	All elements that may contain block elements
Child elements	(#PCDATA %inline-elements;)*

Attribute	Value	Meaning
strip	yes no	Remove leading and trailing whitespace from contained text

x-large

Set text in extra large letters	
Parent elements	Any element that may contain formatted text
Child elements	(#PCDATA %inline-elements;)*

x-small

Set text in extra small letters	
Parent elements	Any element that may contain formatted text
Child elements	(#PCDATA %inline-elements;)*

xx-large

Set text in XXL letters	
Parent elements	Any element that may contain formatted text
Child elements	(#PCDATA %inline-elements;)*

xx-small

T – Z

Set text in XXS letters	
Parent elements	Any element that may contain formatted text
Child elements	(<code>#PCDATA</code> <code>%inline-elements</code>)*

y

Tell L^AT_EX where it may hyphenate a word	
Parent elements	Any element that may contain formatted text
Child elements	None