

Schema documentation for fdk_extension.xsd

october 23, 2012

Table of Contents

Namespace: ""	2
Schema(s)	2
Main schema fdk_extension.xsd	2
Element(s)	2
Element fdk	2
Element extension	2
Element author	4
Element description	4
Element icon-image	5
Element preview-image	5
Element search-terms	5
Element search-terms / term	5
Element license	6
Element release-notes	6
Element online-help	6
Element online-help / index-page	7
Element online-help / module-help-page	7
Element online-help / module-guide-page	8
Element offline-help	8
Element offline-help / index-page	9
Element offline-help / module-help-page	9
Element offline-help / module-guide-page	10
Element dependencies	10
Element fdk-extension	11
Simple Type(s)	11
Simple Type emailAddress	11
Simple Type filePathAttr	11
Simple Type fdkHelpScheme	12
Simple Type uuid	12
Simple Type extDepVersion	12
Simple Type fdkEid	12
Simple Type pathSafeString	12
Simple Type extVersion	13
Complex Type(s)	13
Complex Type filePath	13
Complex Type indexPageUrl	13
Complex Type indexPage	14
Complex Type elementPageUrl	14
Complex Type elementPage	14
Complex Type indexPagePath	15
Complex Type elementPagePath	15
Attribute(s)	16
Attribute author / @name	16
Attribute author / @website	16
Attribute author / @email	16
Attribute filePath / @path	16
Attribute license / @caption	16
Attribute release-notes / @caption	16
Attribute release-notes / @url	16
Attribute indexPage / @caption	16
Attribute indexPageUrl / @baseurl	17
Attribute elementPage / @scheme	17
Attribute elementPageUrl / @baseurl	17
Attribute indexPagePath / @path	17
Attribute elementPagePath / @path	17
Attribute fdk-extension / @uuidref	17
Attribute fdk-extension / @version	17
Attribute fdk-extension / @eid	17
Attribute extension / @uuid	18
Attribute extension / @org	18

Attribute extension / @shortname	18
Attribute extension / @fullname	18
Attribute extension / @version	18
Attribute fdk / @xml-version	18

Namespace: ""

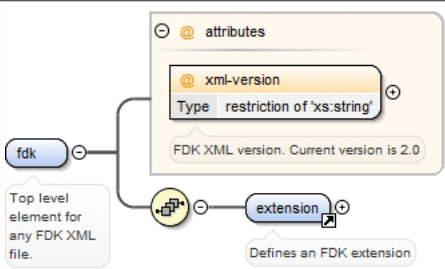
Schema(s)

Main schema fdk_extension.xsd

Namespace	No namespace
Annotations	This document provides the schema for XML that describes an FDK extension.

Element(s)

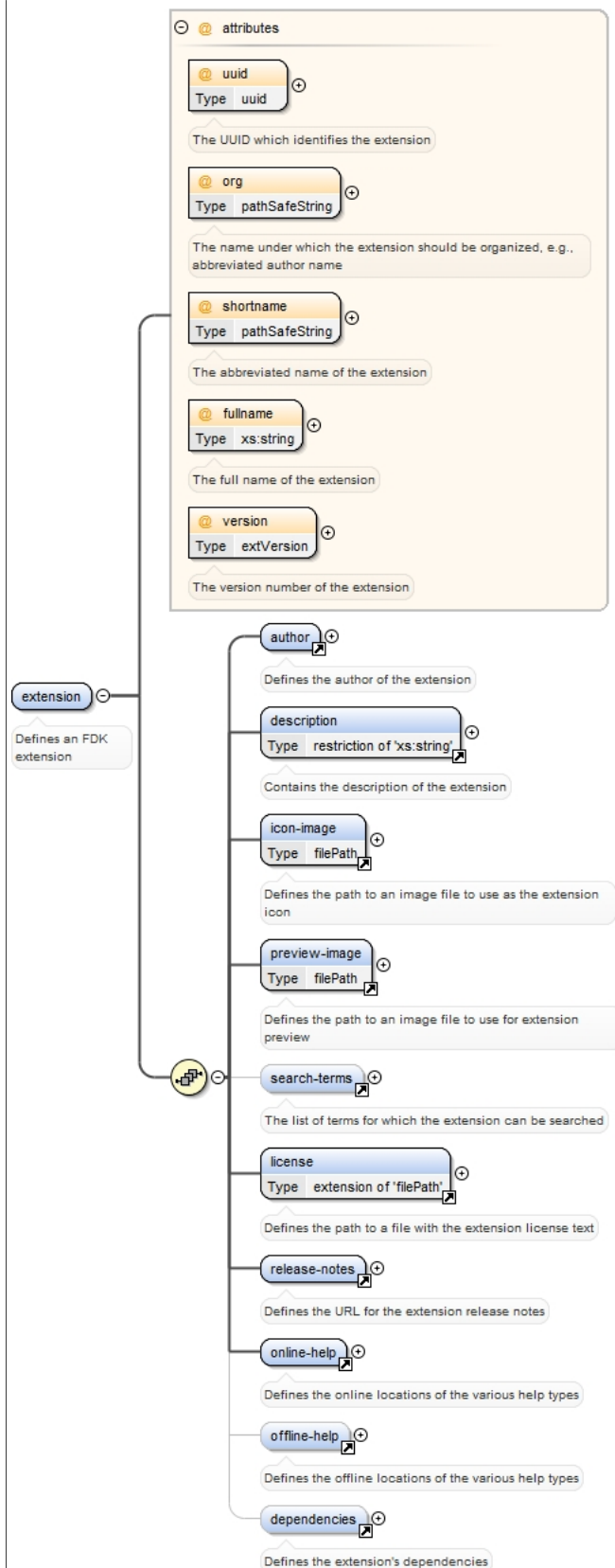
Element fdk

Namespace	No namespace				
Annotations	Top level element for any FDK XML file.				
Diagram	 <p>The diagram shows the structure of the <code>fdk</code> element. It is the top-level element for any FDK XML file. It has an attribute <code>xml-version</code> (restriction of <code>xs:string</code>) and a child element <code>extension</code>. The <code>extension</code> element defines an FDK extension and has attributes <code>fullname</code>, <code>org</code>, <code>shortname</code>, <code>uuid</code>, and <code>version</code>. A note indicates the FDK XML version is 2.0.</p>				
Model	extension				
Children	extension				
Instance	<pre><fdk xml-version=""> <extension fullname="" org="" shortname="" uuid="" version="">{1,1}</extension> </fdk></pre>				
Attributes	QName	Type	Fixed	Default	Use
	xml-version	restriction of xs:string			required
		FDK XML version. Current version is 2.0			

Element extension

Namespace	No namespace
Annotations	Defines an FDK extension

Diagram



Used by	Element	fdk
Model	author , description , icon-image , preview-image , search-terms{0,1} , license , release-notes , online-help , offline-help{0,1} , dependencies{0,1}	
Children	author, dependencies, description, icon-image, license, offline-help, online-help, preview-image, release-notes, search-terms	
Instance	<code><extension fullname="" org="" shortname="" uuid="" version=""></code>	

	<pre> <author email="" name="" website="">{1,1}</author> <description>{1,1}</description> <icon-image path="">{1,1}</icon-image> <preview-image path="">{1,1}</preview-image> <search-terms>{0,1}</search-terms> <license caption="" path="">{1,1}</license> <release-notes caption="" url="">{1,1}</release-notes> <online-help>{1,1}</online-help> <offline-help>{0,1}</offline-help> <dependencies>{0,1}</dependencies> </extension> </pre>				
Attributes	QName	Type	Fixed	Default	Use
	fullname	xs:string			required
		The full name of the extension			
	org	pathSafeString			required
		The name under which the extension should be organized, e.g., abbreviated author name			
	shortname	pathSafeString			required
		The abbreviated name of the extension			
	uuid	uuid			required
		The UUID which identifies the extension			
	version	extVersion			required
		The version number of the extension			

Element author

Namespace	No namespace				
Annotations	Defines the author of the extension				
Diagram					
Used by	Element extension				
Attributes	QName	Type	Fixed	Default	Use
	email	emailAddress			required
		The email address of the author			
	name	xs:string			required
		The full name of the author			
	website	xs:anyURI			required
		The website of the author			

Element description

Namespace	No namespace				
Annotations	Contains the description of the extension				
Diagram					

Used by	Element	extension
---------	---------	-----------

Element icon-image

Namespace	No namespace				
Annotations	Defines the path to an image file to use as the extension icon				
Diagram					
Used by	Element extension				
Attributes	QName	Type	Fixed	Default	Use
	path	filePathAttr			required
	The path to the target file, relative to the XML file				

Element preview-image

Namespace	No namespace				
Annotations	Defines the path to an image file to use for extension preview				
Diagram					
Used by	Element extension				
Attributes	QName	Type	Fixed	Default	Use
	path	filePathAttr			required
	The path to the target file, relative to the XML file				

Element search-terms

Namespace	No namespace				
Annotations	The list of terms for which the extension can be searched				
Diagram					
Used by	Element extension				
Model	term				
Children	term				
Instance	<pre><search-terms> <term>{1,1}</term> </search-terms></pre>				

Element search-terms / term

Namespace	No namespace
-----------	--------------

Annotations	A single search term
Diagram	

Element license

Namespace	No namespace				
Annotations	Defines the path to a file with the extension license text				
Diagram					
Type hierarchy	<ul style="list-style-type: none"> filePath 				
Used by	Element extension				
Attributes	QName	Type	Fixed	Default	Use
	caption	xs:string			required
	The string with which the license is presented				
	path	filePathAttr			required
	The path to the target file, relative to the XML file				

Element release-notes

Namespace	No namespace				
Annotations	Defines the URL for the extension release notes				
Diagram					
Used by	Element extension				
Attributes	QName	Type	Fixed	Default	Use
	caption	xs:string			required
	The string with which the release notes are presented				
	url	xs:anyURI			required
	The URL for the release notes				

Element online-help

Namespace	No namespace
-----------	--------------

Annotations	Defines the online locations of the various help types
Diagram	<p>The diagram shows an online-help element (Type: indexPageUri) containing three child elements: index-page (Type: indexPageUri), module-help-page (Type: elementPageUri), and module-guide-page (Type: elementPageUri). A note indicates that these elements define the online locations of the various help types.</p>
Used by	Element extension
Model	index-page , module-help-page {0,1} , module-guide-page {0,1}
Children	index-page , module-guide-page , module-help-page
Instance	<pre> <online-help> <index-page baseurl="" caption="">{1,1}</index-page> <module-help-page baseurl="" scheme="">{0,1}</module-help-page> <module-guide-page baseurl="" scheme="">{0,1}</module-guide-page> </online-help> </pre>

Element **online-help** / **index-page**

Namespace	No namespace				
Diagram	<p>The diagram illustrates the index-page element (Type: indexPageUri). It is an extension of the indexPage base type. The indexPage base type has two attributes: caption (Type: xs:string) and baseurl (Type: xs:anyURI). The index-page element inherits these attributes. A note indicates that the caption attribute defines the location of the help index page.</p>				
Type hierarchy	<ul style="list-style-type: none"> indexPage <ul style="list-style-type: none"> indexPageUri 				
Attributes	QName	Type	Fixed	Default	Use
	baseurl	xs:anyURI			required
		The base URL for the help index page			
	caption	xs:string			required
		The string with which the help index page is presented			

Element **online-help** / **module-help-page**

Namespace	No namespace
-----------	--------------

Diagram	<p>The diagram illustrates the relationship between <code>elementPageUrl</code> and <code>elementPage</code>. <code>elementPageUrl</code> is a base type of <code>elementPage</code>. <code>elementPage</code> has two attributes: <code>scheme</code> (type <code>fdkHelpScheme</code>) and <code>baseUrl</code> (type <code>xs:anyURI</code>). <code>elementPageUrl</code> is a specialization of <code>elementPage</code> with an additional attribute: <code>baseUrl</code> (type <code>xs:anyURI</code>). The <code>baseUrl</code> attribute in <code>elementPageUrl</code> is described as "The base URL for the element help page".</p>				
Type hierarchy	<ul style="list-style-type: none"> • <code>elementPage</code> • <code>elementPageUrl</code> 				
Attributes	QName	Type	Fixed	Default	Use
	<code>baseUrl</code>	<code>xs:anyURI</code>			required
		The base URL for the element help page			
	<code>scheme</code>	<code>fdkHelpScheme</code>			required

Element `online-help` / `module-guide-page`

Namespace	No namespace				
Diagram	<p>The diagram illustrates the relationship between <code>elementPageUrl</code> and <code>elementPage</code>. <code>elementPageUrl</code> is a base type of <code>elementPage</code>. <code>elementPage</code> has two attributes: <code>scheme</code> (type <code>fdkHelpScheme</code>) and <code>baseUrl</code> (type <code>xs:anyURI</code>). <code>elementPageUrl</code> is a specialization of <code>elementPage</code> with an additional attribute: <code>baseUrl</code> (type <code>xs:anyURI</code>). The <code>baseUrl</code> attribute in <code>elementPageUrl</code> is described as "The base URL for the element help page".</p>				
Type hierarchy	<ul style="list-style-type: none"> • <code>elementPage</code> • <code>elementPageUrl</code> 				
Attributes	QName	Type	Fixed	Default	Use
	<code>baseUrl</code>	<code>xs:anyURI</code>			required
		The base URL for the element help page			
	<code>scheme</code>	<code>fdkHelpScheme</code>			required

Element `offline-help`

Namespace	No namespace
Annotations	Defines the offline locations of the various help types

Diagram	
Used by	Element extension
Model	index-page{0,1} , module-help-page{0,1} , module-guide-page{0,1}
Children	index-page, module-guide-page, module-help-page
Instance	<pre> <offline-help> <index-page caption="" path="">{0,1}</index-page> <module-help-page path="" scheme="">{0,1}</module-help-page> <module-guide-page path="" scheme="">{0,1}</module-guide-page> </offline-help> </pre>

Element offline-help / index-page

Namespace	No namespace				
Diagram					
Type hierarchy	<ul style="list-style-type: none"> indexPage <ul style="list-style-type: none"> indexPagePath 				
Attributes	QName	Type	Fixed	Default	Use
	caption	xs:string			required
		The string with which the help index page is presented			
	path	filePathAttr			required
		The base path for the help index page			

Element offline-help / module-help-page

Namespace	No namespace
-----------	--------------

Diagram					
Type hierarchy	<ul style="list-style-type: none"> • elementPage <ul style="list-style-type: none"> • elementPagePath 				
Attributes	QName	Type	Fixed	Default	Use
	path	filePathAttr			required
		The base path for the element help page			
	scheme	fdkHelpScheme			required

Element offline-help / module-guide-page

Namespace	No namespace				
Diagram					
Type hierarchy	<ul style="list-style-type: none"> • elementPage <ul style="list-style-type: none"> • elementPagePath 				
Attributes	QName	Type	Fixed	Default	Use
	path	filePathAttr			required
		The base path for the element help page			
	scheme	fdkHelpScheme			required

Element dependencies

Namespace	No namespace
Annotations	Defines the extension's dependencies

Diagram	
Used by	Element <code>extension</code>
Model	fdk-extension
Children	fdk-extension
Instance	<pre><dependencies> <fdk-extension eid=" " uuidref=" " version=" ">{1,1}</fdk-extension> </dependencies></pre>

Element fdk-extension

Namespace	No namespace				
Annotations	A FDK extension dependency				
Diagram					
Used by	Element <code>dependencies</code>				
Attributes	QName	Type	Fixed	Default	Use
	eid	fdkEid			required
	uuidref	uuid			required
		The UUID of the depending FDK extension			
	version	extDepVersion			required

Simple Type(s)

Simple Type emailAddress

Namespace	No namespace				
Annotations	String that is an email address				
Diagram					
Facets	pattern	[^@]+@[^\ .]+\ .\ .+			
Used by	Attribute	author/@email			

Simple Type filePathAttr

Namespace	No namespace				
Annotations	String that contains a path to a file or directory				
Diagram					
Used by	Attributes	elementPagePath/@path, filePath/@path, indexPagePath/@path			

Annotations	String that can safely be used as, e.g., a directory name	
Diagram		
Facets	pattern	[a-zA-Z0-9_\-]+
Used by	Attributes	extension/@org, extension/@shortname

Simple Type extVersion

Namespace	No namespace	
Annotations	Version number of an extension on the format A.B.C, where A, B and C can contain multiple digits	
Diagram		
Facets	pattern	\d+(\.\d+)+
Used by	Attribute	extension/@version

Complex Type(s)

Complex Type filePath

Namespace	No namespace				
Annotations	Defines the path to a file				
Diagram					
Used by	Elements icon-image, license, preview-image				
Attributes	QName	Type	Fixed	Default	Use
	path	filePathAttr			required
	The path to the target file, relative to the XML file				

Complex Type indexPageUrl

Namespace	No namespace				
Diagram					

Type hierarchy	<ul style="list-style-type: none"> • indexPage <ul style="list-style-type: none"> • indexPageUrl 				
Used by	Element online-help/index-page				
Attributes	QName	Type	Fixed	Default	Use
	baseurl	xs:anyURI			required
		The base URL for the help index page			
	caption	xs:string			required
		The string with which the help index page is presented			

Complex Type indexPage

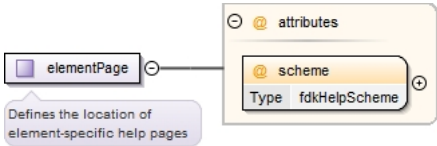
Namespace	No namespace				
Annotations	Defines the location of the help index page				
Diagram					
Used by	Complex Types indexPagePath, indexPageUrl				
Attributes	QName	Type	Fixed	Default	Use
	caption	xs:string			required
		The string with which the help index page is presented			

Complex Type elementPageUrl

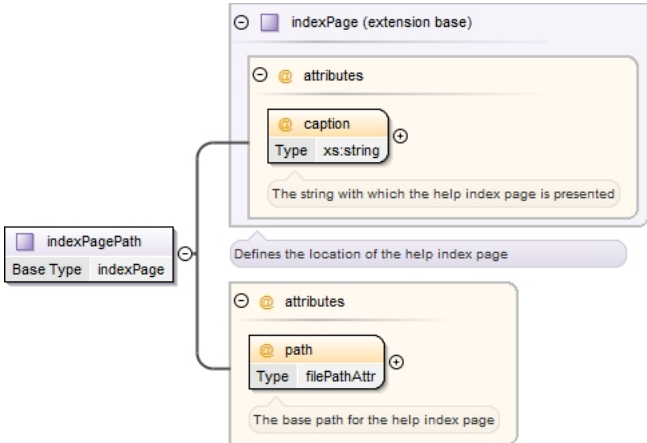
Namespace	No namespace				
Diagram					
Type hierarchy	<ul style="list-style-type: none"> • elementPage <ul style="list-style-type: none"> • elementPageUrl 				
Used by	Elements online-help/module-guide-page, online-help/module-help-page				
Attributes	QName	Type	Fixed	Default	Use
	baseurl	xs:anyURI			required
		The base URL for the element help page			
	scheme	fdkHelpScheme			required

Complex Type elementPage

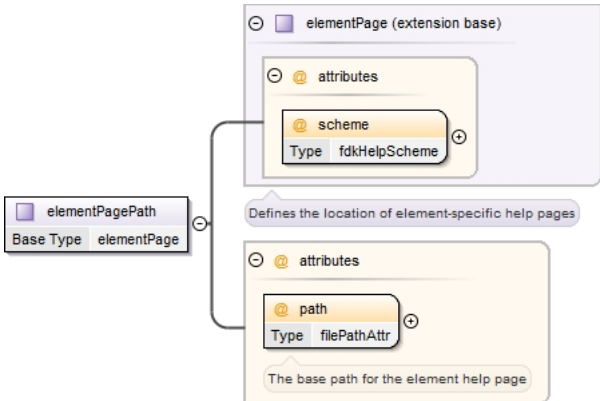
Namespace	No namespace				
Annotations	Defines the location of element-specific help pages				

Diagram					
Used by	Complex Types elementPagePath, elementPageUrl				
Attributes	QName	Type	Fixed	Default	Use
	scheme	fdkHelpScheme			required

Complex Type indexPagePath

Namespace	No namespace				
Diagram					
Type hierarchy	<ul style="list-style-type: none"> indexPage <ul style="list-style-type: none"> indexPagePath 				
Used by	Element offline-help/index-page				
Attributes	QName	Type	Fixed	Default	Use
	caption	xs:string			required
	The string with which the help index page is presented				
	path	filePathAttr			required
	The base path for the help index page				

Complex Type elementPagePath

Namespace	No namespace				
Diagram					
Type hierarchy	<ul style="list-style-type: none"> elementPage <ul style="list-style-type: none"> elementPagePath 				

Used by	Elements offline-help/module-guide-page, offline-help/module-help-page				
Attributes	QName	Type	Fixed	Default	Use
	path	filePathAttr			required
	scheme	fdkHelpScheme			required

Attribute(s)

Attribute author / @name

Namespace	No namespace
Annotations	The full name of the author
Used by	Element author

Attribute author / @website

Namespace	No namespace
Annotations	The website of the author
Used by	Element author

Attribute author / @email

Namespace	No namespace
Annotations	The email address of the author
Facets	pattern [^@]+@[^\ .]+ \. . +
Used by	Element author

Attribute filePath / @path

Namespace	No namespace
Annotations	The path to the target file, relative to the XML file
Used by	Complex Type filePath

Attribute license / @caption

Namespace	No namespace
Annotations	The string with which the license is presented
Used by	Element license

Attribute release-notes / @caption

Namespace	No namespace
Annotations	The string with which the release notes are presented
Used by	Element release-notes

Attribute release-notes / @url

Namespace	No namespace
Annotations	The URL for the release notes
Used by	Element release-notes

Attribute indexPage / @caption

Namespace	No namespace
Annotations	The string with which the help index page is presented

Used by	Complex Type	indexPath
---------	--------------	-----------

Attribute indexPathUrl / @baseurl

Namespace	No namespace	
Annotations	The base URL for the help index page	
Used by	Complex Type	indexPathUrl

Attribute elementPage / @scheme

Namespace	No namespace	
Facets	enumeration	append
	enumeration	asf-docs
Used by	Complex Type	elementPage

Attribute elementPageUrl / @baseurl

Namespace	No namespace	
Annotations	The base URL for the element help page	
Used by	Complex Type	elementPageUrl

Attribute indexPathPath / @path

Namespace	No namespace	
Annotations	The base path for the help index page	
Used by	Complex Type	indexPathPath

Attribute elementPagePath / @path

Namespace	No namespace	
Annotations	The base path for the element help page	
Used by	Complex Type	elementPagePath

Attribute fdk-extension / @uuidref

Namespace	No namespace	
Annotations	The UUID of the depending FDK extension	
Facets	pattern	[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12} Atmel\.ASF
Used by	Element	fdk-extension

Attribute fdk-extension / @version

Namespace	No namespace	
Facets	pattern	(\d+(\.\d+)*)(\.\d+)? latest (((\[\ \ \]\d+(\.\d+)*\ \ \), ((\d+(\.\d+)*\ \ \) \) \)))
Used by	Element	fdk-extension

Attribute fdk-extension / @eid

Namespace	No namespace	
Facets	pattern	[a-z0-9\.\-_\+]

Used by	Element	fdk-extension
---------	---------	---------------

Attribute extension / @uuid

Namespace	No namespace	
Annotations	The UUID which identifies the extension	
Facets	pattern	[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12} Atmel\.ASF
Used by	Element	extension

Attribute extension / @org

Namespace	No namespace	
Annotations	The name under which the extension should be organized, e.g., abbreviated author name	
Facets	pattern	[a-zA-Z0-9\-_]+
Used by	Element	extension

Attribute extension / @shortname

Namespace	No namespace	
Annotations	The abbreviated name of the extension	
Facets	pattern	[a-zA-Z0-9\-_]+
Used by	Element	extension

Attribute extension / @fullname

Namespace	No namespace	
Annotations	The full name of the extension	
Used by	Element	extension

Attribute extension / @version

Namespace	No namespace	
Annotations	The version number of the extension	
Facets	pattern	\d+(\.\d+)+
Used by	Element	extension

Attribute fdk / @xml-version

Namespace	No namespace	
Annotations	FDK XML version. Current version is 2.0	
Facets	enumeration	2.0
Used by	Element	fdk