

Schema documentation for fdk_extension.xsd

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Namespace: ""

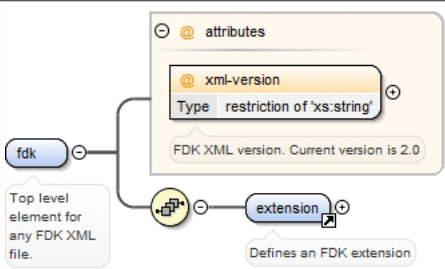
Schema(s)

Main schema fdk_extension.xsd

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

Element(s)

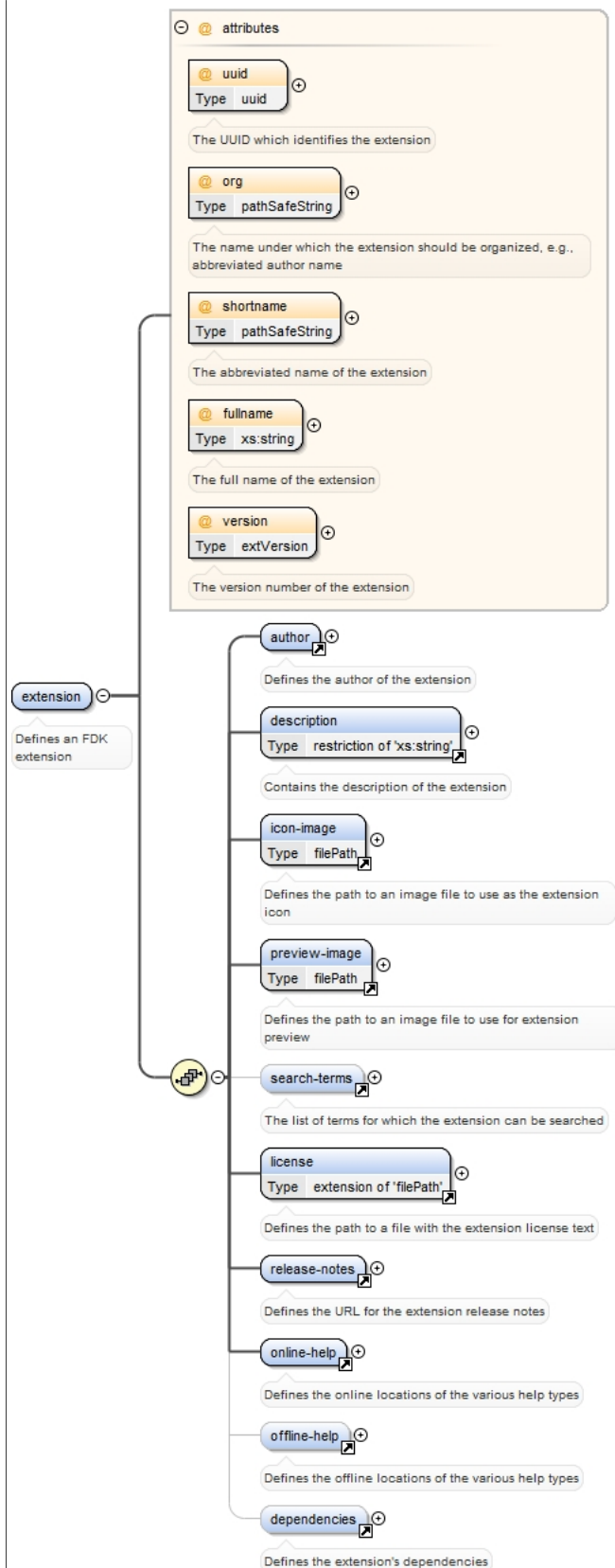
Element fdk

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
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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
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Annotations	A single search term
Diagram	<p>A single search term</p>

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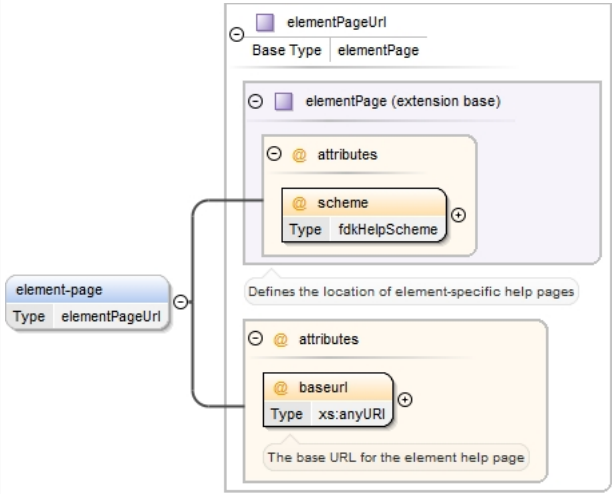
Annotations	Defines the online locations of the various help types
Diagram	<p>The diagram shows an online-help element (Type: <code>indexPageUri</code>) containing three child elements: index-page (Type: <code>indexPageUri</code>), element-page (Type: <code>elementPageUri</code>), and element-guide-page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

Element online-help / index-page

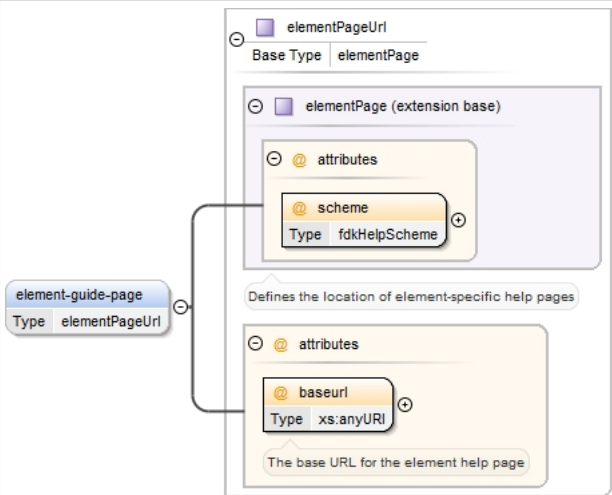
Namespace	No namespace				
Diagram	<p>The diagram illustrates the structure of the index-page element (Type: <code>indexPageUri</code>). It is an extension of the indexPage base type. The indexPage base type has two attributes: caption (Type: <code>xs:string</code>) and baseurl (Type: <code>xs:anyURI</code>). 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"> • <code>indexPage</code> • <code>indexPageUri</code> 				
Attributes	QName	Type	Fixed	Default	Use
	baseurl	<code>xs:anyURI</code>			required
		The base URL for the help index page			
	caption	<code>xs:string</code>			required
		The string with which the help index page is presented			

Element online-help / element-page

Namespace	No namespace
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Diagram					
Type hierarchy	<ul style="list-style-type: none"> • elementPage <ul style="list-style-type: none"> • elementPageUrl 				
Attributes	QName	Type	Fixed	Default	Use
	baseUrl	xs:anyURI			required
	The base URL for the element help page				
	scheme	fdKHelpScheme			required

Element online-help / element-guide-page

Namespace	No namespace				
Diagram					
Type hierarchy	<ul style="list-style-type: none"> • elementPage <ul style="list-style-type: none"> • elementPageUrl 				
Attributes	QName	Type	Fixed	Default	Use
	baseUrl	xs:anyURI			required
	The base URL for the element help page				
	scheme	fdKHelpScheme			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} , element-page{0,1} , element-guide-page{0,1}
Children	element-guide-page, element-page, index-page
Instance	<pre> <offline-help> <index-page caption="" path="">{0,1}</index-page> <element-page path="" scheme="">{0,1}</element-page> <element-guide-page path="" scheme="">{0,1}</element-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 / element-page

Namespace	No namespace
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Diagram	<p>The diagram illustrates the relationship between <code>elementPagePath</code> and <code>elementPage</code>. <code>elementPagePath</code> is a base type of <code>elementPage</code>. <code>elementPage</code> has two attributes: <code>path</code> (Type: <code>filePathAttr</code>) and <code>scheme</code> (Type: <code>fdkHelpScheme</code>). <code>elementPagePath</code> is a base type of <code>elementPage</code>. <code>elementPage</code> has two attributes: <code>path</code> (Type: <code>filePathAttr</code>) and <code>scheme</code> (Type: <code>fdkHelpScheme</code>). <code>elementPagePath</code> is a base type of <code>elementPage</code>. <code>elementPage</code> has two attributes: <code>path</code> (Type: <code>filePathAttr</code>) and <code>scheme</code> (Type: <code>fdkHelpScheme</code>).</p>				
Type hierarchy	<ul style="list-style-type: none"> • <code>elementPage</code> • <code>elementPagePath</code> 				
Attributes	QName	Type	Fixed	Default	Use
	<code>path</code>	<code>filePathAttr</code>			required
		The base path for the element help page			
	<code>scheme</code>	<code>fdkHelpScheme</code>			required

Element offline-help / element-guide-page

Namespace	No namespace				
Diagram	<p>The diagram illustrates the relationship between <code>elementPagePath</code> and <code>elementPage</code>. <code>elementPagePath</code> is a base type of <code>elementPage</code>. <code>elementPage</code> has two attributes: <code>path</code> (Type: <code>filePathAttr</code>) and <code>scheme</code> (Type: <code>fdkHelpScheme</code>). <code>elementPagePath</code> is a base type of <code>elementPage</code>. <code>elementPage</code> has two attributes: <code>path</code> (Type: <code>filePathAttr</code>) and <code>scheme</code> (Type: <code>fdkHelpScheme</code>). <code>elementPagePath</code> is a base type of <code>elementPage</code>. <code>elementPage</code> has two attributes: <code>path</code> (Type: <code>filePathAttr</code>) and <code>scheme</code> (Type: <code>fdkHelpScheme</code>).</p>				
Type hierarchy	<ul style="list-style-type: none"> • <code>elementPage</code> • <code>elementPagePath</code> 				
Attributes	QName	Type	Fixed	Default	Use
	<code>path</code>	<code>filePathAttr</code>			required
		The base path for the element help page			
	<code>scheme</code>	<code>fdkHelpScheme</code>			required

Element dependencies

Namespace	No namespace
Annotations	Defines the extension's dependencies

Diagram	
Used by	Element extension
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 dependencies				
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			

Simple Type fdkHelpScheme

Namespace	No namespace	
Annotations	Supported schemes for organization of the element and element guide help pages	
Diagram		
Facets	enumeration	asf-docs
Used by	Attribute	elementPage/@scheme

Simple Type uuid

Namespace	No namespace	
Annotations	String that is a UUID (RFC 4122), or "Atmel.ASF"	
Diagram		
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	Attributes	extension/@uuid, fdk-extension/@uuidref

Simple Type extDepVersion

Namespace	No namespace	
Annotations	Version number of a depending extension, either specific ("A.B.C"), "latest", latest in a range with "+" (f.ex. "A.B.+") or within a range (f.ex. "(, A.B.C)", "[A.B.C, D.E.F)" or "[A.B.C,)")	
Diagram		
Facets	pattern	(\d+(\.\d+)*)(\.\d+)? latest (((\[\ \]\)\d+(\.\d+)*\ \)\, ((\d+(\.\d+)*\ \)\ \)\) \))
Used by	Attribute	fdk-extension/@version

Simple Type fdkEid

Namespace	No namespace	
Annotations	String that contains the ID of a depending extension	
Diagram		
Facets	pattern	[a-z0-9\.\-_\+]
Used by	Attribute	fdk-extension/@eid

Simple Type pathSafeString

Namespace	No namespace	
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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

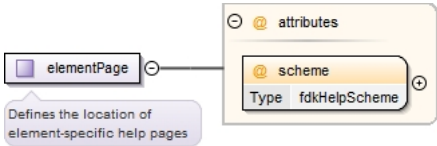
Namespace	No namespace				
Annotations	Defines the location of the help index page				
Diagram					
Used by	Complex Types indexPagePath, indexPageUrl				
Attributes	QName	Type	Fixed	Default	Use
	caption	xs:string			required
		The string with which the help index page is presented			

Complex Type elementPageUrl

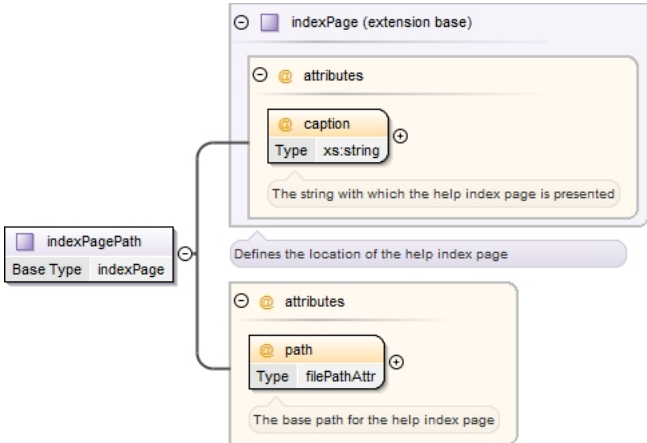
Namespace	No namespace				
Diagram					
Type hierarchy	<ul style="list-style-type: none"> • elementPage <ul style="list-style-type: none"> • elementPageUrl 				
Used by	Elements online-help/element-guide-page, online-help/element-page				
Attributes	QName	Type	Fixed	Default	Use
	baseurl	xs:anyURI			required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

Complex Type elementPage

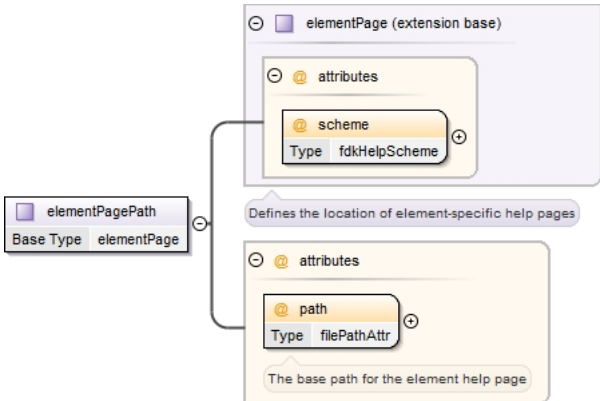
Namespace	No namespace				
Annotations	Defines the location of element-specific help pages				

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/element-guide-page, offline-help/element-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

Namespace	No namespace
Annotations	The base URL for the help index page
Used by	Complex Type <code>indexPageUrl</code>

Namespace	No namespace
Facets	enumeration <i>asf-docs</i>
Used by	Complex Type <i>elementPage</i>

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

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

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

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

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

Namespace	No namespace
Facets	pattern <code>[a-z0-9\._\-]+</code>
Used by	Element <code>fdk-extension</code>

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