7.1.1 ContentIdentifier

Summary

A canonical, unique, immutable identifier

Description

A ContentIdentifier is a canonical, unique, immutable identifier of the content of a software artifact, such as a package, a file, or a snippet.

minCount | maxCount

minCount | maxCount

1

0

It can be used for verifying its identity and integrity.

Type

Type

xsd:string

xsd:anyURI

xsd:anyURI

Metadata

https://spdx.org/rdf/3.0.1/terms/Software/ContentIdentifier

ContentIdentifierType

ContentIdentifierType

Name	ContentIdentifier
Instantiability	Concrete
SubclassOf	/Core/IntegrityMethod

Superclasses

Properties

Property

comment

All properties

Property

• /Core/IntegrityMethod

contentIdentifierType

content Identifier Value

contentIdentifierType

contentIdentifierValue

Add details of missing class of ContentIdentifier

9.1 Software Profile Classes

9.1.1 File

Summary

Refers to any object that stores content on a computer.

Description

Refers to any object that stores content on a computer. The type of content can optionally be provided in the contentType property.

If the isDirectory property is specified and set to true, then the file represents a directory and all content stored in that directory.

Metadata

https://spdx.org/rdf/v3/Software/File

Name	File
Instantiability	Concrete
SubclassOf	/Software/SoftwareArtifact

Properties

Property	Type	minCount	maxCount
contentType	/Core/MediaType	0	1
isDirectory	xsd:boolean	0	1

9.1.2 Package

Summary

Refers to any unit of content that can be associated with a distribution of software.

Description

A package refers to any unit of content that can be associated with a distribution of software. Typically, a package is composed of one or more files.

Any of the following non-limiting examples may be (but are not required to be) represented in SPDX as a package:

- a tarball, zip file or other archive
- a directory or sub-directory
- a separately distributed piece of software which another Package or File uses or depends upon (e.g., a Python package, a Go module, ...)
- a container image, and/or each image layer within a container image
- a collection of one or more sub-packages
- a Git repository snapshot from a particular point in time

Note that some of these could be represented in SPDX as a file as well.

Metadata

https://spdx.org/rdf/v3/Software/Package

Name	byteRange
Nature	DataProperty
Range	/Core/PositiveIntegerRange

Referenced

□ /Software/Snippet

9.2.4 contentType

Summary

Provides information about the concert type of an Element.

Description

This field is a reasonable estimation of the content type of the Element, from a creator perspective. Content type is intrinsic to the Element, independent of how the Element is being disc.

Metadata

https://spdx.org/rdf/v3/Software/contentType

Name	contentType
Nature	DataProperty
Range	/Core/LediaType

Referenced

□ /Software/File

9.2.5 copyrightText

Summary

Identifies the text of one or more copyright notices for a software Package, Fil

Description

A copyrightText consists of the text(s) of the copyright notice(s) found for a sc

If a copyrightText contains text, then it may contain any text related to one or complete) for that software Package, File or Snippet.

If a copyrightText has a "NONE" value, this indicates that the software Packa notice whatsoever.

If a copyrightText has a "NOASSERTION" value, this indicates that one of the creator has attempted to but cannot reach a reasonable objective determination empt to determine this field; or * the SPDX data creator has intentionally provimplied by doing so).

Metadata

https://spdx.org/rdf/v3/Software/copyrightText

Name	copyrightText
1 tuille	copyrightreat

System Package Data Exchange (SPDX), v3.0 - beta 1

Replace contentType with contentIdentifier, contentIdentifierType, and contentIdentifierTypeValue to provide more expression about content

7.2.4 contentIdentifier

Summary

A canonical, unique, immutable identifier of the artifact content, that may be used for verifying its identity and/or integrity.

Description

A contentIdentifier is a canonical, unique, immutable identifier of the content of a software artifact, such as a package, a file, or a snippet.

It may be used for verifying its identity and/or integrity.

Metadata

 $\verb|https://spdx.org/rdf/3.0.1/terms/Software/contentIdentifier| \\$

Name	contentIdentifier
Nature	DataProperty
Range	ContentIdentifier

Referenced

• /Software/SoftwareArtifact

7.2.5 contentIdentifierType

Summary

Specifies the type of the content identifier.

7.2.6 contentIdentifierValue

Summary

Specifies the value of the content identifier.

Description

A contentIdentifierValue specifies the value of a content identifier.

Metadata

 $\verb|https://spdx.org/rdf/3.0.1/terms/Software/contentIdentifierValue|$

Name	contentIdentifierValue
Nature	DataProperty
Range	xsd:anyURI

Referenced

• /Software/ContentIdentifier