

16.1 ~~Extension~~ Classes

16.1.1 Extension

Summary

A characterization of some aspect of an Element that is associated with the Element in a generalized fashion.

Description

An Extension is a characterization of some aspect of an Element that is associated with the Element in a generalized fashion.

Rather than being associated with a particular Element through the typical use of a purpose-specific object property an Extension is associated with the Element it characterizes using a single common generalized object property.

This approach serves multiple purposes:

- Support profile-based extended characterization of Elements**
Element characterization extensions within any profile and name other profiles or namespaces and without requiring local subclass ecosystem interoperability in some cases).
- Support extension of SPDX by adopting individuals or communities uniquely specialized to their particular context.** Enables adopt expressive capabilities along with expressing more arcane Elements not appropriate for standardization across SPDX.
- Support structured capture of expressive solutions for gaps in**
Enables adopting individuals or communities to express Elements not currently defined in SPDX but likely should be. Enables a profile that should be filled, expresses solutions to those gaps in a way that extended solutions with SPDX and does not conflict with current SPDX content exchange ecosystem, provides a clear and structured submission for revision to SPDX standard.

Metadata

<https://spdx.org/rdf/v3/Extension/Extension>

Name	Extension
Instantiability	Abstract

Properties

Property	Type	minCount	maxCount
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Add details of Properties inherited from classes and super-

Add specific Properties to the Extension class

16.2 Properties

16.2.1 cdxPropName

Summary

A name used in a CdxExtension name-value pair.

Description

A cdxPropName is used in a CdxExtension name-value pair.

Unlike key-value stores, cdxProperties support duplicate names, each potentially having different values.

Metadata

<https://spdx.org/rdf/3.0.1/terms/Extension/cdxPropName>

Name	cdxPropName
Nature	DataProperty
Range	xsd:string

Referenced

- /Extension/CdxPropertyEntry

16.2.2 cdxPropValue

Summary

A value used in a CdxExtension name-value pair.

Description

A cdxPropValue is used in a CdxExtension name-value pair.

Unlike key-value stores, cdxProperties support duplicate names, each potentially having different values.

Metadata

<https://spdx.org/rdf/3.0.1/terms/Extension/cdxPropValue>

Name	cdxPropValue
Nature	DataProperty
Range	xsd:string

Referenced

- /Extension/CdxPropertyEntry

16.2.3 cdxProperty

Summary

Provides a map of a property names to a values.

Description

This field provides a mapping of a name to a value.

This is intended to be compatible with the CycloneDX property "properties".

Unlike key-value stores, properties support duplicate names, each potentially having different values.

Metadata

<https://spdx.org/rdf/3.0.1/terms/Extension/cdxProperty>

Name	cdxProperty
Nature	ObjectProperty
Range	CdxPropertyEntry

Referenced

- /Extension/CdxPropertiesExtension