

12.2 ArtifactPackage

ArtifactPackage is the containing element for artifacts involved in a structured assurance case.

Superclass

Base::ArtifactElement

Associations

artifactElement:Base::ArtifactElement[0..*] (composition) – a collection of ArtifactElements forming a artifact package in a structured assurance case.

Semantics

ArtifactPackages contain ArtifactElements that represent the artifact forming part of a structured assurance case. ArtifactPackages can also be nested.

12.3 ArtifactGroup

ArtifactGroup can be used to associate a number of ArtifactElements to a common group (e.g., representing a common type or purpose, or being of interest to a particular stakeholder).

Superclass

Base::ArtifactElement

Associations

artifactElement:ArtifactElement[0..*] – an optional collection of ArtifactElements organised within the ArtifactGroup.

Semantics

ArtifactGroup can be used to associate a number of ArtifactElements to a common group (e.g., representing a common type or purpose, or being of interest to a particular stakeholder). The name and the description of the ArtifactGroup should provide the semantic for understanding the ArtifactGroup. ArtifactGroups serve no structural purpose in the formation of the argument network, nor are they meant as a structural packaging mechanism (this should be done using ArtifactPackage).

12.4 ArtifactPackageBinding

The ArtifactPackageBinding is a sub type of ArtifactPackage used to record ArtifactAssetRelationships between the ArtifactAssets of two or more ArtifactPackages.

Superclass

ArtifactPackage

Associations

participantPackage:ArtifactPackage[2..*] - the ArtifactPackages containing the ArtifactAssets being related together by the ArtifactPackageBinding.

Semantics

ArtifactPackageBindings can be used to map dependencies between the cited ArtifactAssets of two or more ArtifactPackages. For example, a binding could be used to record a ‘derivedFrom’ ArtifactAssetRelationship between the ArtifactAsset of one package to the ArtifactAsset of another.

Constraints