

An ArgumentPackage can provide ArgumentPackageInterfaces, which export ArgumentationElements to be used by other ArgumentPackages. ArgumentPackageInterfaces contain citations to ArgumentationElements (e.g. an ArgumentPackageInterface may contain an 'asCited' Claim, with its 'citedElement' pointing to the Claim inside the ArgumentPackage). An

11.5 ArgumentPackageBinding

ArgumentElement within the ArgumentPackage can be bound together by means of ArgumentPackageBinding. ArgumentPackageBinding bind the participant packages by means of ~~argument elements that connect the cited elements of~~ the participant packages.

Superclass

ArgumentPackage

Associations

participantPackage:ArgumentPackage[2..*] - the ArgumentPackages being mapped together by the ArgumentPackageBinding.

Semantics

ArgumentPackageBindings can be used to map resolved dependencies between the Claims of two or more ArgumentPackages.

For example, one ArgumentPackage may contain a claim that needsSupport (i.e. currently has no supporting argument). An ArgumentPackageBinding can be used to record the mapping by means of containing a structured argument linking ArgumentElements that cite the claims in question.

ArgumentPackageBinding is a sub type of ArgumentPackage, it is used to record the argument that connects the arguments of two or more ArgumentPackages.

Constraints

The participantPackages should be only ArgumentPackages

OCL: self.participantPackage->forall(pp|pp.oclIsTypeOf(Argument::ArgumentPackage))

The ArgumentElements contained by an ArgumentPackageBinding must be ArgumentElement citations to ArgumentElements contained within the ArgumentPackages associated by the participantPackage association.

and self.argumentationElement->forAll(e|e.isCitation = true and e.citedElement <> null)

11.6 ArgumentPackageInterface

ArgumentPackageInterface is a kind of ArgumentPackage that defines an interface that may be exchanged between users. An ArgumentPackage may declare one or more ArgumentPackageInterface.

Superclass

ArgumentPackage

Associations

implements:ArgumentPackage[1] – a reference to the ArgumentPackage which the ArgumentPackageInterface declares.

Semantics

ArgumentPackageInterfaces can be used to declare (by means of containing ArgumentElement based citations) the ArgumentAssets contained in an ArgumentPackage that form part of the explicit, declared, interface of the ArgumentPackage.

For example, whilst an ArgumentPackage may contain many Claims, it may be desirable to create an ArgumentPackageInterface that cites only a subset of those claims that are intended to be mapped / used (e.g. by means of an ArgumentPackageBinding) by other ArgumentPackages. There may be more than one ArgumentPackageInterface for a given ArgumentPackage that reveal different aspects of the ArgumentPackage for different audiences.

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