

Backward traceability – specification

Property Name	Description	Applied For:	Reference Through:	Value elements type	Example
Manifested in Artifacts	The property shows which components are manifested in an artifact.	Artifact	Relationships: Manifestation	Component	<pre> graph BT MagicTest.mdb[«artifact» MagicTest.mdb] -- «manifest» --> TestDB[«component» TestDB] </pre>
Specifying Class	The property shows the classes representing the component specification from the Design model.	Component	Relationships: Abstraction	Class	<pre> graph BT subgraph Design_magic_test_service [Design::magictest::service::] TestManager[«TestManager» +getTest(testid : int)] SystemAccess[«SystemAccess» +authorize(username : String, pass
+changePassword(username : Strir] end subgraph Implementation_Components_Business_Logic_Tier [Implementation::Components:: Business Logic Tier::] TestManager_EJB[«EJBSessionBean» TestManager] SystemAccess_EJB[«EJBSessionBean» SystemAccess] end TestManager_EJB -- «abstraction» --> TestManager SystemAccess_EJB -- «abstraction» --> SystemAccess </pre>
Specifying Component	The property shows the components that are realized by classifiers through component realization.	Classifier	Relationships: Component Realization, Realization	Component	<pre> graph BT SystemAccess[«EJBSessionBean» SystemAccess] -- realization -- > Business_Logic_Tier[«subsystem» Business Logic Tier] </pre>
Specifying Use Case	The property shows the use cases (from the Requirements model) representing the class specification.	Class	Relationships: Abstraction	Use Case	<pre> graph BT User((User)) --- Login[Requirements::MagicTest:: Security:: Login] LoginDialog[Design::magictest::ui:: LoginDialog +handleLogin() +connect() -showPasswordChangedMsg() -showIncorrectLoginMsg() ...] -- «abstraction» --> Login </pre>

Specifying Use Case	The property shows the use cases that specify the given use case in the higher level of abstraction. For example, the Business Use Case specifies the Requirements Use Case.	Use Case	Relationships: Abstraction	Use Case	<pre> graph BT Administrate((Administrate)) ModifyUser((Modify User)) RemoveUser((Remove User)) Administrate -.-> «abstraction» ModifyUser Administrate -.-> «abstraction» RemoveUser </pre>
Realized Interface	The property shows the interfaces specifying the contract, in which the related classifier conforms to.	Classifier	Relationships: Interface Realization	Interface	<pre> classDiagram class NotificationService { +send(address : String, message : String) } class NotificationServer { <<component>> } NotificationServer -- > NotificationService </pre>
Specifying Element, All Specifying Elements <div> Available in Enterprise Architect only. </div>	The Specifying Element property gathers specifying elements from the upper abstraction level. The All Specifying Elements property transitively gathers specifying elements from all upper abstraction levels.	Element	Relationships: Abstraction, Component Realization, Interface Realization.	Element	<pre> graph TD subgraph Requirements_model [Requirements model] UC[UC] Activity[Activity] Iteration[Iteration] end subgraph Design_model [Design model] Class[Class] end subgraph Implementation_model [Implementation model] Component[Component] Artifact[Artifact] Interface[Interface] end UC --> Activity Activity --> Iteration UC --> Class Class --> Component Component --> Artifact Component --> Interface Artifact --> Interface UC -.-> OwnedBehavior UC Class -.-> Abstraction Class Component -.-> Manifestation Component Interface -.-> Interface Realization Interface </pre>