

# **ENTERPRISE ARCHITECT**

**User Guide Series** 

# Introducing the Metamodel Views

Author: Sparx Systems Date: 16/10/2024 Version: 17.0



# **Table of Contents**

Introducing the Metamodel Views	3
Built-in Metamodel Diagram View	5
Custom Metamodel Diagram View	9
Define Metamodel Constraints	
Constraints on Meta-Constraint Connector	20
Metamodel Constraints and the Quick Linker	

# **Introducing the Metamodel Views**

Enterprise Architect includes an extremely effective and flexible system of Views of both system-defined and user-defined metamodels. The Views system provides highly focused diagrams that limit the number of elements and connections available to only the core required to achieve a specific task. For example, a Hierarchy View imposed on a Class diagram might limit the only element available to 'Class' and the only connector to 'Inheritance'.

Using the Views system to guide the modeling palette and relationships available, you will build tight and purposeful diagrams that use only the required elements within the current modeling context. Cutting out the noise and reducing the set of constructs available is a great way of making sure a design is addressing the intended purpose and avoiding extraneous elements that might negatively impact the readability and correctness of the model.

## **Metamodel Views**

Category	Description
System	Enterprise Architect provides a wide range of built-in Metamodel Views that address numerous modeling scenarios and domains. Many of the Model Builder patterns are pre-set with a Metamodel View, and the 'Diagram Builder' dialog includes many derivative diagram views that extend and refine the capabilities of the base diagram types.
Custom	In addition to using the system-defined Metamodel based views in Enterprise Architect, it is also possible to create your own Metamodels and easily add them to the current model, where you and other modelers can then apply them to various diagrams as needed. For example, you might define a specific Metamodel set that addresses the needs of Requirements modeling in your organization, and then mandate that all Requirement diagrams use that Metamodel View.

### **View System Facilities**

Facility	Description
Diagram Filter	In addition to limiting the available palette, the View system also allows the modeler to enable a diagram filter that will gray out any elements that are not part of the current view set. This allows the modeler to correct any parts of their model that don't meet the purpose of the selected View, or to filter out elements that are required to be there, but do not form part of the current modeling goal.
Diagram Properties	The 'Properties' dialog for a diagram includes a drop-down list of available Views for the currently selected diagram type. Selecting one of these Views will reduce the palette of constructs available and limit the entries in the Quick Linker. Modelers can easily activate a View or even remove one if necessary - the actual model content will not change.
Diagram Views	The 'Diagram Builder' dialog includes a number of different Views that offer different palette sets and focus goals for diagram types such as UML, SysML, BPMN and UAF, amongst others. If you have the goal of modeling a simple Activity diagram with no advanced features, the Simple Activity View under the UML Activity diagram section could be a better option than using the full Activity

diagram set.

# **Built-in Metamodel Diagram View**

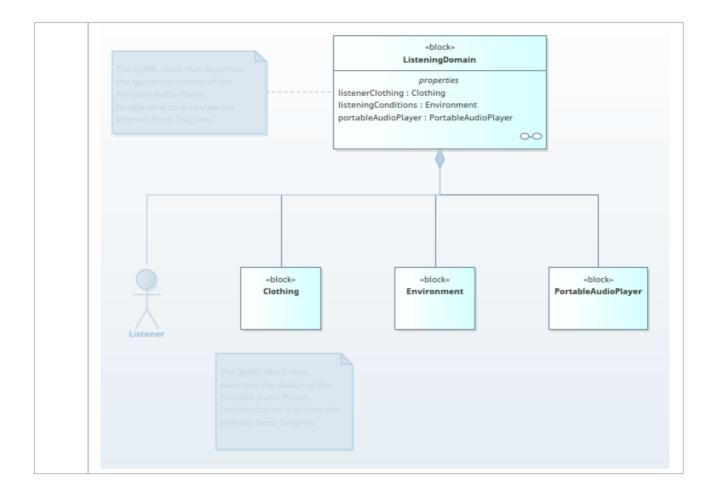
The 'New Diagram' dialog includes a number of different Views that offer different palette sets and focus goals for diagram types such as UML, SysML, BPMN and UAF, amongst others. As an example, if you have the goal of modeling a simple SysML Block Definition diagram with no advanced features, the 'Basic Blocks View' under the 'SysML 1.5 Block Definition Diagram' section might be a better option than using the full Block Definition diagram set. This example is used to provide values in the procedures in this topic.

## Working with Diagram Views

Step	Action
1	In the Browser window, click on the Package or element under which to place the diagram. Open the 'New Diagram' dialog, select 'SysML 1.4 Views:: Basic Blocks' and click on the OK button to create the diagram.
	New Diagram         Pgckage :       Domain Model         Diagram :       Domain Model         Type       Select From:         Select From:       Pige         Select From:       Pige         Select From:       Pige Block Definition         SysML 11       SysML 14:BlockDefinition         SysML 12       SysML 14 Views:Basic Blocks         SysML 13       SysML 14 Views:Constraint Blocks         SysML 15       UAF Actual Resources:Connectivity         UAF Actual Resources:Structure
2	Image: Construct of the created diagram, the 'Applied Metamodel' field will show the applied diagram View. You can also click on the drop-down arrow in this field and select another of the available

Diagram Compartments Swi	mlanes and Matrix	
4 General		
Name	SysML Model	
Туре	SysML Block Definition	
Stereotype		
Author	dsymes	
Applied Metamodel	SysML 1.4 Views::Basic Blocks	-
Filter to Metamodel	SysML 1.4 Views::Basic Blocks	
Filter to Context	SysML 1.4 Views::Constraint Blocks	
<ul> <li>Version</li> </ul>	SysML 1.4 Views::Requirement Mappings	
Version	UAF Actual Resources::Connectivity	
Filter to Version	UAF Actual Resources::Structure	
New to Version	UAF Actual Resources::Taxonomy	
Appearance	UAF Dictionary::Dictionary	
Display as	UAF Information::Information Model	
Hand Drawn	UAF Operational::Connectivity	
Whiteboard	UAF Operational::Constraints	
Custom Style	UAF Operational::Processes	
Disable fully scoped object	UAF Operational::Structure	
Display Element Lock Status	UAF Operational::Taxonomy	
Advanced	UAF Operational::Traceability	
MDG Technology	UAF Parameters::Environment	
GUID	UAF Parameters::Measurements	
WebEA	UAF Personnel::Availability Roadmap	
	UAF Personnel::Competence Constraints	
	UAF Personnel::Connectivity	
	UAF Personnel::Drivers Constraints	
	CAP PersonnelDrivers Constraints	

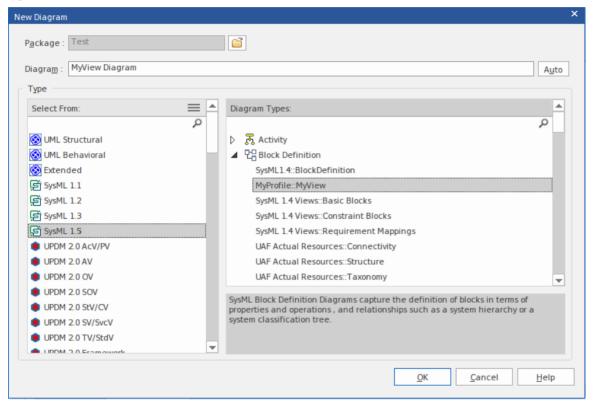
	▼ Ŧ ×
earch	₽ 🔎 ≡
SysML Block Definit	tion
Block	
🔤 Part	
Value Type	
SysML Block Relati	onships
P Aggregation	
Association	
🥕 Composition	
n Generalization	
Basic Blocks	
DistributedPrope	rty
ParticipantPrope	rty
Common	
Common Relations	hips
Artifacts	



# **Custom Metamodel Diagram View**

Enterprise Architect has a wide range of built-in diagram views, but you can also create your own Metamodels that define custom diagram Views. For example, you might define a specific Metamodel that addresses the needs of Requirements modeling in your organization, and then mandate that all Requirements diagrams use that diagram View instead of the built-in Requirement diagram Views. You can quickly add your diagram Views to the current model, where you or other modelers can apply them to your diagrams.

As an illustration, suppose you decide to make available a new SysML 1.4 Block Definition diagram View in your project, called 'MyView'. Users will access it through the 'New Diagram' dialog, expanding the Block Definition diagram type.

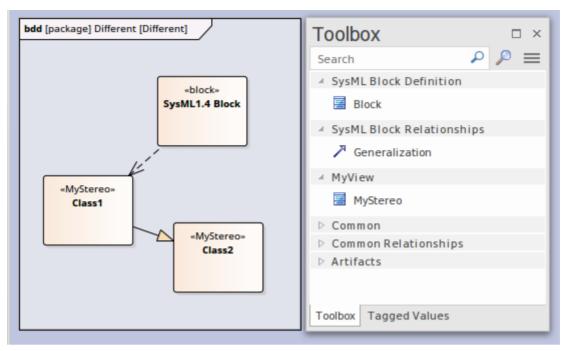


The fully extended name of the diagram View reflects the parent Profile name (MyProfile) and the View name (MyView) - hence 'MyProfile::MyView'. You could call the example View SysML 1.4 Views:: MyView to indicate that it is a member of the SysML 1.4 View suite.

If you are extending a UML base diagram type, with the Profile name 'UML', the equivalent View name could be something such as 'UML::Full Class'.

The users select the example diagram View to create a very simple SysML 1.4 Block diagram that can have:

- Two types of element:
  - a SysML 1.4 Block element (an extended Class from the SysML 1.4 technology)
  - a MyStereo element that you are defining within your new metamodel 'MyView' as a Class with the stereotype MyStereo
- One type of connector a standard SysML Block Generalization (which is the same as a standard UML Generalization)



The diagram View makes the elements and connector available from the Toolbox, as shown, and from the Quick Linker.

The table *Create Custom Diagram View in a Profile* explains how to create a Metamodel that defines a new diagram View, finishing with the MyView example.

#### Access

Ribbon	Design > Diagram > Toolbox: => Profile > Metamodel
Keyboard Shortcuts	Ctrl+Shift+3 : => Profile > Metamodel

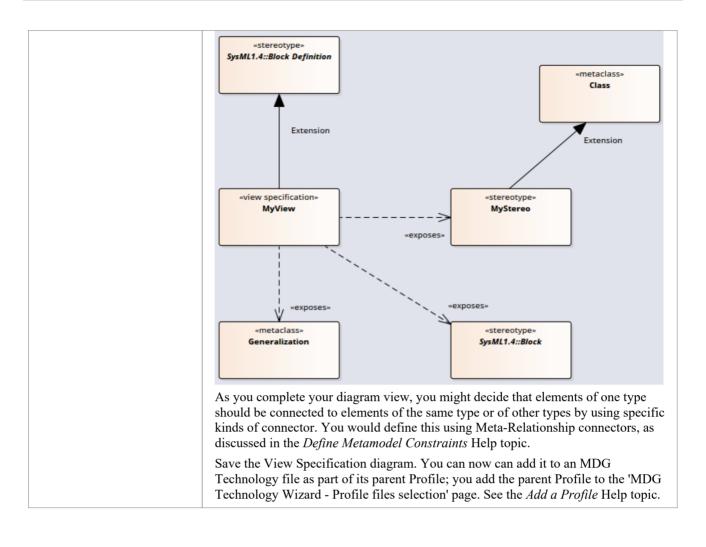
### **Create Custom Diagram View in a Profile**

Operation	Action
Create the Profile diagram	<ul> <li>In your profile Package, create a new Package diagram and, in the Diagram Toolbox, open the 'Profile' page (select the 'Design &gt; Diagram &gt; Toolbox' ribbon option, then click on and select 'Profile').</li> <li>Drag the 'Profile' icon onto the diagram and give it the name 'MyProfile', selecting to add a child Class diagram of the name 'MyView', which you open.</li> <li>Expand the 'Metamodel' page in the Toolbox and note the:</li> <li>'View Specification' element, which you can use to create a custom diagram View</li> <li>'Exposes' connector, which you use to specify the contents of the Toolbox page associated with the custom diagram View</li> </ul>
Add View Specification	Within a Profile, you use the 'View Specification' stereotyped element to identify the new custom diagram View as an extension of an existing built-in or stereotyped

	diagram.
	Drag the 'View Specification' icon onto the Profile diagram, and give the element a name; in our example, 'MyView'.
	The first thing to consider when defining a new View, is what diagram type or types it should be available for. The next two rows show how to define a View for a UML diagram and a Profile diagram.
	In both cases, click on the 'Extension' icon and drag from the View Specification to the diagram-type element, to create the Extension connector.
Extending a UML Diagram Type	To extend a base UML diagram type, drag the 'Class' icon from the Toolbox onto the diagram and, on the Properties window, give the element:
	• The exact name of the diagram type (as listed in the <i>Built-in Diagram Types</i> Help topic) such as 'Logical' (for a Class diagram), and
	• The stereotype < <metaclass>&gt;</metaclass>
	This example shows 'MyView' as previously created, extending the UML Component diagram.
	«view specification»     «metaclass»       MyView     Component
	The result is that in the 'New Diagram' dialog, an extra View is added under the UML Component Diagram type.
Extending a Profiled Diagram Type	To extend a profiled diagram type, such as a BPMN or SysML diagram type, drag the 'Stereotype' icon onto the diagram and give the Stereotype element the exact fully qualified name of the diagram type.
	Because this is a reference to an external stereotype, it should also be marked as Abstract to prevent it being exported into the profile. To do that, display the Properties window, expand the 'Advanced' section and select the 'Abstract' checkbox.
	This example shows 'MyView' as previously created, extending the GRA-UML Component Diagram type.
	«view specification»         MyView         GRA         Component         {abstract}
	The result is that the 'New Diagram' dialog will show the View we are defining under the GRA-UML component diagram.
	Note: If you do not know the fully qualified name of the diagram type you are extending, query the API to get the 'Metatype' field. In a JavaScript console you can use:
	?GetCurrentDiagram().MetaType
	Alternatively, select the diagram in the Browser then look in the docked Properties window where it will be listed under MDG Technology.
Exposing Objects in the Diagram View Toolbox	An Exposes connector adds an object to the Toolbox page for the diagram View. For each element and connector to add to the diagram View's Toolbox page, you drag a 'definition element' onto the diagram and then click on the 'Exposes' icon in the Toolbox 'Profile' page and drag the cursor from the View Specification element to the 'definition element' to create the connector.

	The type of definition element depends on whether you are exposing a base UML element or a stereotyped element, as shown in the next two rows.
Exposing UML Element Types	If you are using base UML element or connectors in your custom diagram View, then for each element or connector:
	1. Drag the 'Metaclass' icon from the Toolbox 'Profile' page onto the diagram and give it the name of the base element or connector type it represents and
	2. Add the Exposes connector between the View Specification element and the Metaclass element
	For example:
	«view specification» MyView (*view specification» (*metaclass» Port (*metaclass» Port (*metaclass» Port (*metaclass» Port (*metaclass) Port
Exposing Profiled Element Types	If you are defining a new stereotyped object in the diagram view, or using stereotyped elements already defined in other profiles, then for each element or connector:
	1. Drag the 'Stereotype' icon from the Toolbox 'Profile' page onto the diagram, and give the element the name of the stereotyped element or connector it represents
	2. If the Stereotype is defined in another profile, expand the 'Advanced' section of the Properties window and select the 'Abstract' checkbox
	3. If the Stereotype is being defined here, add to the diagram the base element that the Stereotype extends, and create an Extension connector between the Stereotype and base element
	4. Add the Exposes connector between the View Specification element and the Stereotype element
	For example:

	<pre> sysML1.4:: () block  view specification* MyView  sysML1.4:: () ProxyPort  SysML1.4:: () FullPort  *exposes*  MyStereo ()  </pre> <pre> </pre>
Completing the Example	With reference to the earlier rows in the table, on the MyView Class diagram (the child of the MyProfile diagram):
	1. Create the View Specification element MyView.
	<ol> <li>Create the Stereotype element SysML1.4::Block Definition and set it to Abstract.</li> </ol>
	3. Connect the View Specification to the SysML1.4::Block Definition with an Extension connector.
	4. Create a Metaclass element called Generalization.
	5. Create a Stereotype element called SysML1.4::Block and set it to Abstract.
	<ol> <li>Create a Stereotype element called MyStereo and a Metaclass element called UML Class and connect the Stereotype to the Metaclass with an Extension connector.</li> </ol>
	<ol> <li>Connect the View Specification element to the Generalization element, the SysML1.4::Block element and the MyStereo element, each with an Exposes connector.</li> </ol>
	This illustration represents the diagram that you have created:



# **Define Metamodel Constraints**

When extending UML to develop a domain-specific Profile, Enterprise Architect allows you to specify constraints to restrict the connectors that can be drawn from a Stereotype, either using the Quick Linker or from the Toolbox. These constraints are defined using the relationships under the 'Metamodel' page of the 'Profile' toolbox.

#### Access

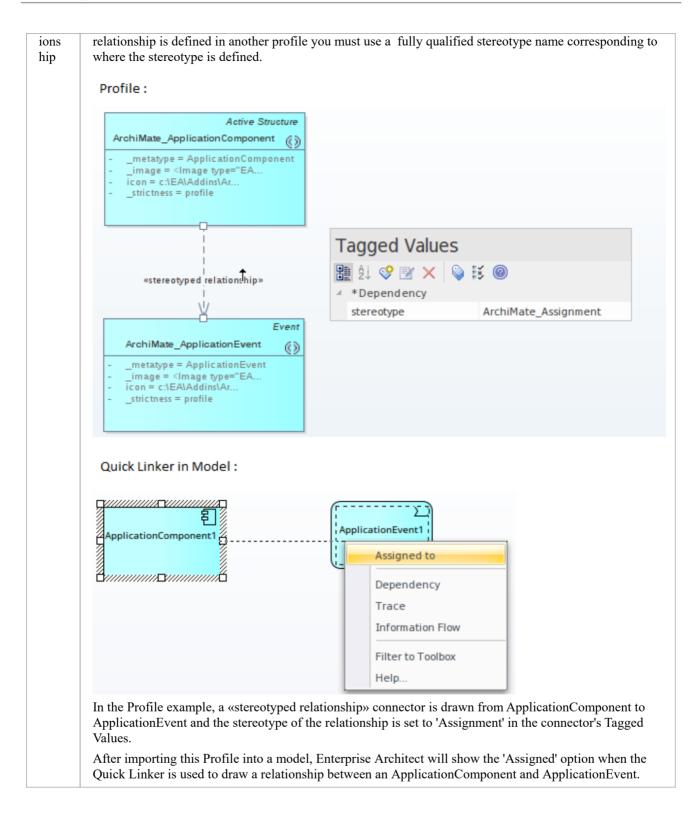
Ribbon	Design > Diagram > Toolbox: => Profile
Keyboard Shortcuts	Ctrl+Shift+3

### Add Metamodel Constraints to a Profile

Item	Detail
Meta -Rel ation ship	A «metarelationship» connector between two Stereotypes is used to specify a valid UML Connector between these two Stereotypes. The name of the UML Connector should be set in the tag 'metaclass' on the «metarelationship» connector.

	Profile :
	<pre>*stereotype* ServiceSpecification instanceType = UAFP::ActualService metatype = ServiceSpecification strictness = profile *metarelationship*</pre>
	Quick Linker in Model : *ServiceSpecifica ServiceSpecification1 Generalization SameAs Dependency Trace Information Flow Filter to Toolbox Help
	In the Profile example, a «metarelationship» connector is drawn from ServiceSpecification to ServiceInterface and the name of the UML Connector is specified in the 'Tags' tab of the Properties window for the connector. After importing this Profile into a model, Enterprise Architect will show the UML Connector when the Quick Linker is used to draw a relationship between a ServiceSpecification and ServiceInterface.
Meta -Con strai nt	A «metaconstraint» connector between two Stereotypes is used to specify a constraint between these two Stereotypes. The constraint should be set in the tag 'umlRole' on the Meta-Constraint connector.

	Profile :
	«stereotype» ActualProjectMilestone
	_metatype = ActualProjectMi _strictness = profile actualMilestoneKind: ActualMilestoneKind
	Image: Stereotype *   Image: Stereotype * <tr< th=""></tr<>
	In the Profile example, a «metaconstraint» connector is drawn from ActualProjectMilestone to ProjectMilestone and the constraint is specified as classifier on the tag 'umlRole' in the connector's Tagged Values. After importing this Profile into a model, Enterprise Architect will show only the ProjectMilestone
	stereotyped elements when assigning a classifier for ActualProjectMilestone element. Constraint values for the tag 'umlRole' include:
	• classifier – restricts the classifier for the source Stereotype element to the target Stereotype element
	• type – restricts the type for the source Stereotype element to the target Stereotype element
	<ul> <li>behavior - restricts the behavior for the source Stereotype element to the target Stereotype element</li> </ul>
	• conveyed - restricts the conveyed element for the source Stereotype element to the target Stereotype element
	• slot - restricts the slot for the source Stereotype element to the target Stereotype element
	<ul> <li>client/source/end[0].role/informationSource – restricts the source of a connector to the target Stereotype element</li> </ul>
	• supplier/target/end[1].role/informationTarget - restricts the target of a connector to the target Stereotype element
	• realizingConnector/realizingActivityEdge/realizingMessage - restricts the relationship that can realize an information flow
	• typedElement/instanceSpecification – when dropping as classifier from the Browser window, this constraint restricts the type to the target Stereotype element
	• owner/class/activity/owningInstance – restricts the container of this element to the target Stereotype element; this constraint is used to create embedded element rules for the Quick Linker and validate nesting during Model Validation
	• ownedElement/ownedAttribute/ownedOperation/ownedParameter/ownedPort – restricts the element/attribute/operation/parameter/port that can be owned by the source Stereotype element; this constraint is typically used to validate nesting during Model Validation
	<ul> <li>annotatedElement/constrainedElement – restricts the target of a Note Link connector to the target Stereotype element</li> </ul>
Stere otyp	You can use a «stereotyped relationship» connector between two Stereotypes or Metaclasses to specify a valid stereotyped connector between <i>instances</i> of those elements.
ed Relat	When specifying the relationship, if the relationship being referenced is defined in the profile in which the rule is defined, the stereotype property can be set to only the name of that stereotype. However, if the



### **Special Metaclasses**

You can specify the source of a connector to be a superclass of all specialized forms, and the target to a special metaclass that specifies a relationship to the actual metaclass when it is used. You use one of these terms as the element name for a Class element with the stereotype «metaclass».

Item	Detail
sour ce.m etaty pe	The target element must match the exact stereotype defined at the source.
sour ce.m etaty pe.ge neral	The target element can match the exact stereotype used at the source, and any concrete (isAbstract=false) generalized stereotypes.
sour ce.m etaty pe.sp ecifi c	The target element can match the exact stereotype used at the source, and any concrete (isAbstract=false) specialized stereotypes.
sour ce.m etaty pe.b oth	The target element can match the exact stereotype used at the source, and any concrete (isAbstract=false) generalized or specialized stereotypes.
<pro file_ nam e&gt;::*</pro 	Replace ' <profile_name>' with the name of a profile; this will expand to a list of all the concrete stereotypes in the given profile.</profile_name>
<non e&gt;</non 	Use this metaclass name when you want to prevent the source element from inheriting the specified connector from its supertypes.

# **Constraints on Meta-Constraint Connector**

When creating a domain-specific Profile, Enterprise Architect allows you to specify constraints between related Stereotypes. As an example, you can restrict the element that can be set as a classifier on a Stereotyped element.

A Meta-Constraint connector, on the 'Metamodel' page of the 'Profile' toolbox, between two Stereotypes is used to specify the constraint between the two Stereotypes. The constraint should be set in the tag 'umlRole' on the Meta-Constraint connector.

#### Access

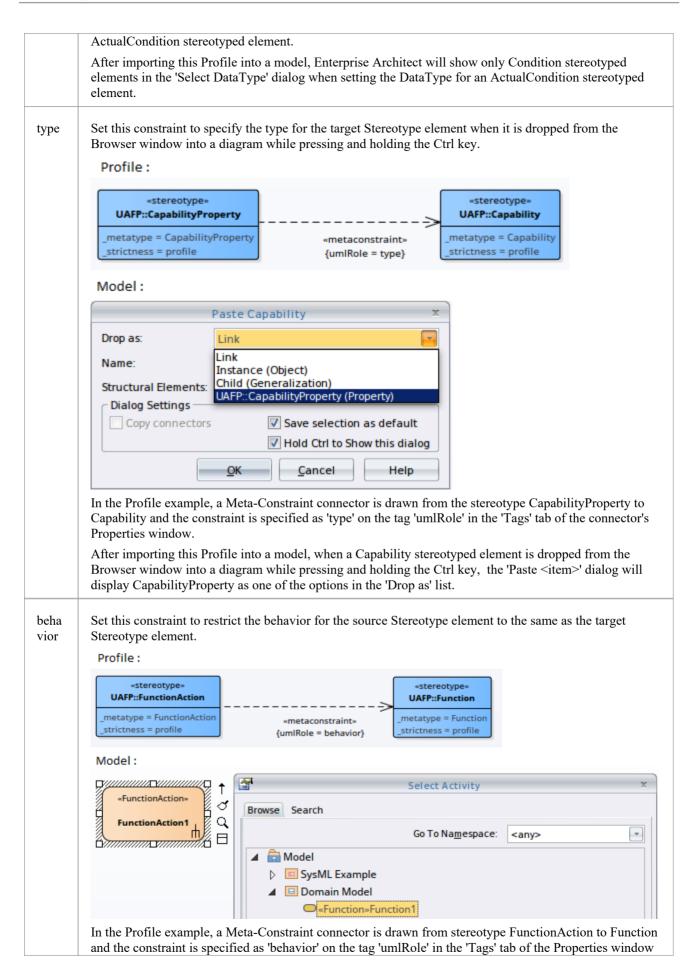
Ribbon	Design > Diagram > Toolbox : => Profile > Metamodel
Keyboard Shortcuts	Ctrl+Shift+3 : => Profile > Metamodel

## **Constraint values for tag 'umlRole'**

(NOTE: The table below presents all of the acceptable constraint values for the tag 'umlRole'. The values are case-sensitive and should be entered just as they are shown in the table.)

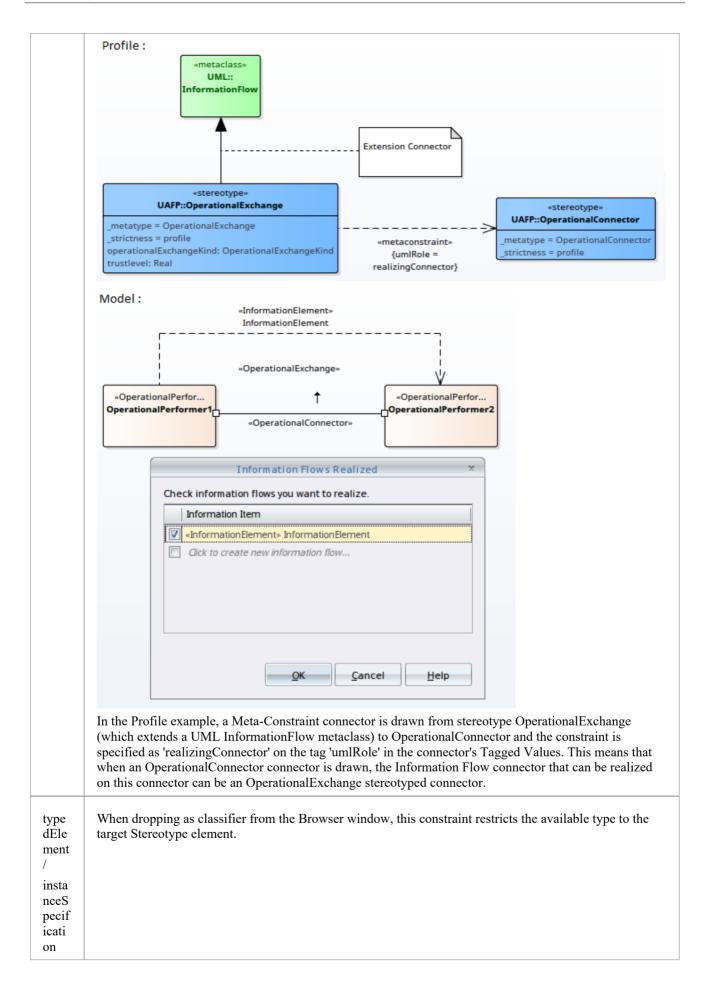
Constraint values for the tag 'umlRole' on the Meta-Constraint connector are:

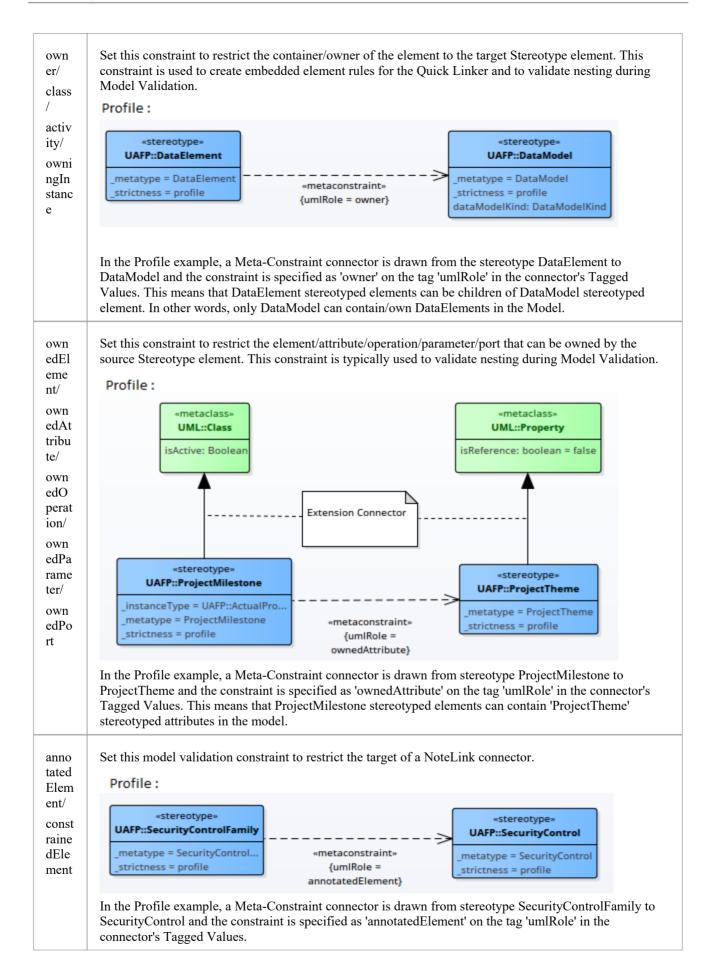
Constr aint	Description
class ifier	Set this constraint to restrict the classifier for the source Stereotype element as the target Stereotype element. Profile :
	*stereotype*       *stereotype*         UAFP::ActualCondition
	Model :
	*ActualConditions     ActualCondition1     Image: Search     Browse     Go To Namespace:     Image: Search     Image:
	In the Profile example, a Meta-Constraint connector is drawn from the stereotype ActualCondition to Condition and the constraint is specified as 'classifier' on the tag 'umlRole' in the connector's list of Tagged Values. This means that only a 'Condition' stereotyped element can be set as the classifier for an



	for the connector. This means that only a 'Function' stereotyped element can be set as classifier for a FunctionAction stereotyped element.
	After importing this Profile into a model, Enterprise Architect will show only Function stereotyped elements in the 'Select Activity' dialog when setting the behavior for a FunctionAction stereotyped element.
conv eyed	Set this constraint to restrict the Information Items that can be conveyed on a Stereotype that extends the Information Flow connector.
	«stereotype»
	UAFP::OperationalExchange «stereotype» UAFP::
	_metatype = OperationalExchange _strictness = profile operationalExchangeKind: OperationalExchangeKind trustlevel: Real
	In the Profile example, a Meta-Constraint connector is drawn from stereotype OperationalExchange to OperationalExchangeItem and the constraint is specified as 'conveyed' on the tag 'umlRole' in the 'Tags' tab of the Properties window for the connector. This means that when an OperationalExchange connector is drawn, the Information Items that can be conveyed on the connector are restricted to OperationalExchangeItem stereotyped elements.
slot	Set this constraint to restrict the slot for the Stereotype element as the target Stereotype element.
	Profile : "metaclass" UML::Object "metaclass" UML::Slot
	$\uparrow \qquad \uparrow$
	«stereotype»       «metaconstraint»       «stereotype»         UAFP::Project       (umlRole = classifier)       UAFP::ActualProject       uAFP::
	_instanceType = UAFP::ActualProject _metatype = Project _strictness = profile _strictness = profile
	In the Profile example, a Meta-Constraint connector is drawn from the stereotype ActualProject to ActualProjectRole and the constraint is specified as 'slot' on the tag 'umlRole' in the connector's Tagged Values. Note that the stereotype 'ActualProject' extends UML Object and can classify stereotype 'Project'. When an instance specification for the Project element is created (by dropping it from the Browser window into a diagram while pressing and holding the Ctrl key) in the model:
	The created instance specification will be stereotyped ActualProject
	<ul> <li>Any Property in the 'Project' stereotyped element will be created as an 'ActualProjectRole' stereotyped Property in the instance specification</li> </ul>
clien t/	Set this Model Validation constraint to restrict the start element of a Stereotyped connector.
sour ce/	
end[ 0].ro le/	
infor mati onSo urce	

	Profile :
	<pre>*stereotype* UAFP::FunctionControlFlow metatype = FunctionControlFlow _strictness = profile *metaconstraint* {umlRole = target} *stereotype* UAFP::FunctionAction metatype = FunctionAction _strictness = profile</pre>
	In the Profile example, a Meta-Constraint connector is drawn from stereotype 'FunctionControlFlow' to 'FunctionAction' and the constraint is specified as 'source' on the tag 'umlRole' in the connector's Tagged Values. This means that when a FunctionControlFlow connector is drawn, the source element should be a FunctionAction stereotyped element. Otherwise, Enterprise Architect will flag an error when performing a Model Validation.
supp lier/ targe t/ end[ 1].ro le/ infor mati onTa rget	Set this model validation constraint to restrict the target element of a Stereotyped connector.
reali zing Con nect or/ reali zing Acti vity Edge / reali zing Mess age	Set this constraint to restrict the relationship that can realize an Information Flow connector.





When the Profile is imported into a model, the target of a NoteLink connector from a
SecurityControlFamily stereotyped element should be a SecurityControl stereotyped element. Otherwise,
Enterprise Architect will flag an error when performing a Model Validation.

# Metamodel Constraints and the Quick Linker

When you drag the Quick Linker arrow to create a relationship to another element, a menu of available connector types and - if no target element is selected on the diagram - a menu of available element types display. The tables in this topic show where the names of the connector and element types are drawn from when you have - or have not - provided values for the Metamodel constraint properties.

# **Rule Filtering**

The metamodel constraints primarily define what connections are valid. The Quick Linker is built from these valid relationships and is then filtered in a number of ways in order to present the relevant relationships to the user.

Item	Detail
Tool box Filte ring	By default for all new diagrams the elements and relationships offered by the Quick Linker are restricted to match the types available in the toolbox. This can be changed by the user on a diagram by selecting the Complete view for the diagram or unchecking the 'Filter to Toolbox' option within the Quick Linker menu.
Com mon Relat ions hips	<ul> <li>Relationships defined with the _IsCommon property will not be offered as suggestions when a new element also needs to be created.</li> <li>These UML relationships include this behavior when they are used with a metarelationship:</li> <li>Abstraction</li> <li>Dependency</li> <li>InformationFlow</li> <li>Realization</li> <li>Usage</li> </ul>

# **Connector Labels**

This table identifies the points from which the Quick Linker can retrieve names to display in the menu for the available connector types.

Item	Detail
Mea ning Forw ards and Mea ning Back ward s	Stereotypes with values defined in the _MeaningForwards and _MeaningBackwards properties will use those values to describe the connector in the Quick Linker menu. Note: If _MeaningBackwards is not defined for a stereotype, the Quick Linker will offer an option to create the relationship in the backwards or reverse direction.
Meta type Nam	Stereotypes with values defined in the _Metatype properties will use those values to describe the connector in the Quick Linker menu when no 'name' properties are defined.

e	
Stere otyp e Nam e	If no _MeaningForwards, _MeaningBackwards or _Metatype values are defined, the stereotype name will be used as the menu label for a relationship.
Meta class Nam e	When using a Metarelationship connector to include UML relationships between your stereotypes, you do not have control of the labels used for the relationship. The Quick Linker will use the same labels as are used when those relationships are available between UML elements.

### **Element Labels**

When you have dragged the Quick Linker to empty space, a menu displays the types of target element available. This table identifies where the Quick Linker retrieves names from to display in the menu of available elements.

Item	Detail
Meta type Nam e	Stereotypes with values defined in the _metatype properties will use those values to describe the element in the Quick Linker menu.
Stere otyp e Nam e	If no _MeaningForwards, _MeaningBackwards or metatype values are defined, the name of the stereotype will be used as the menu label for an element.
Meta class Nam e	When using a Metarelationship connector or Stereotypedrelationship connector to link your stereotypes to UML elements, you do not have control of the labels used for the element. The Quick Linker will use the same labels as are used when those elements are connected under UML.