## Package Dependencies panel

Before exporting or sharing a package as a independent used project, you need to identify and analyze package dependencies first. The **Package Dependencies** panel will help you with that. The **Package Dependencies** panel is displayed when you select to share or export packages.

Before hiding a package, you can identify and analyze package usages and usages of all elements in the package first. The **Package Usage** window will help you with that. The **Package Usage** panel is displayed when you choose to check usages of elements in the selected packages for hiding.

යිස් Package Dependencies					
Package Dependencies					@ # ×
See the dependencies in the tab	ble below.				
e‡e\$B; ₽8 €					
Status	Element Type	Dependency Type	Depends On	Project	Part of Cyclic Dependency
日 💁 Package MagicLibrar	y Requirement	s has dependencies	on Magic Library		<b>^</b>
🖂 🔄 MagicLibrary Requirer	ments depends o	1:			
A Error	Model	Client Dependency	<sup>7</sup> Usage [MagicLibrary Requirements		•
🖃 📴 The package 'Analysi	is and Design' l	nas dependencies to	the following project(s):Magic Librar	yAnalysis and Design.m	dzip
🕀 🔂 Analysis and Design d	lepends on:				
🖂 🔿 : UserSession depend	ds on:				
🛕 Warning	Property	Туре	UserSession	Analysis and Design.mdzip	• •
					OK Help

Package Dependencies panel

යිස් Package Depender	ncies					
Package Dependencies					e 9	×
Shared package(s) depend Solve errors before saving 마: 마호 담 ۞ 많	on external project elements project.					
Status	Element Type	Dependency Type	Depends On	Project	Part of Cyclic Dependency	
🗆 📴 The package 'Ana	alysis and Design' has de	pendencies to the followi	ng used project(s):Analy	sis and Design.mdzip		
🖃 🔷 : UserSession de	epends on:					
🛕 Warning	Property	Туре	UserSession	Analysis and Design.mdzip	•	
⊟ → synchCall addCu	stomerToItemReservations(-	, -) depends on:				
🛕 Warning	Message	Signature	addCustomerToItem	Analysis and Design.mdzip	•	
⊕ → synchCall reserver	eItem(-) depends on:					Ŧ
				Share	Cancel Help	

Package Dependencies panel when checking dependencies on package sharing

소참 Package Depender	ncies				
Package Dependencies					@ # X
The package depends on e Solve errors before export 약 며 : 말 이 많					
Status	Element Type	Dependency Type	Depends On	Project	Part of Cyclic Dependency
🖃 🛅 The package 'Us	ers' has dependencies to	the following used	project(s):MagicLibrary I	Requirements.mdzip	·
🖂 🔿 🗄 Edit librarian's	profile depends on:				E
🔥 Warning	Property	Туре	<ul> <li>Edit librarian's profile</li> </ul>	MagicLibrary Requirements.mdzip	
🖂 🔶 🛛 : Search for an i	item depends on:				
🛕 Warning	Property	Туре	<ul> <li>Search for an item</li> </ul>	MagicLibrary Requirements.mdzip	•
🕀 🔿 : Order items de	epends on:				-
				Export	Cancel Help

Package Dependencies panel when checking dependencies on package exporting

යිස් Package Dependencies යිස් Package USB used by:					
Package USB used by:					@ # ×
The package(s) you selected to hide are used by non-hidden elements of the model. Ignoring these errors will have such usages deleted along with the hidden elements in the model you a	re working with.				
약 🕸 🐘 💭 😨 😫 雛 🥩 🛠 🕒 🛅 Change Hidden Packages 🛛 Filter:	<all> ~</all>	<all> ~</all>	<all> ~</all>	<all></all>	~
Results (2)	Туре	Used element	Used as	Project	
	Block	Power Plug	Supplier of Dependency		
USB	Block	USB USB	Supplier of Refine		

Package Usage search window when checking usages on package hiding

The Package Dependencies panel has a table which shows the list of dependencies and buttons for managing data displayed in this table.

Button	Description
Expand All Tree Branches	Expands all nodes in the package dependencies tree.
Collapse All Tree Branches	Collapses all nodes in the package dependencies tree.
Display the Full Path of the elements	Displays the element full path next to the element name.
Solve	The button is enabled, when a dependency with <b>Error</b> status is selected in the table and a solution for the problem can be found. Clicking the button opens the dialog for choosing the solution for a specific dependency problem.
	This button is only visible when exporting or sharing a package.
Select in Containment Tree	Shows the selected element in the Browser. The button is available, when a dependency is selected in the table.
Refresh	Performs dependency analysis and refreshes the dependency table with the new analysis results.
Change Shares	Opens the Shared Packages dialog wherein you can select another packages to be shared.
	This button is visible only when sharing a package.
Change Exports	Opens the <b>Export Package to New Project</b> dialog wherein you can select another packages to be exported. This button is visible only when exporting a package.
	This buildn is visible only when exporting a package.
Share	Closes the <b>Package Dependencies</b> panel and makes the package shared. The button is available, when the <b>Check Dependencies on Package Export/Sharing</b> environment option is set to <i>Allow dependencies</i> (to open the <b>Environment Options</b> dialog, select <b>Options</b> > <b>Environment</b> ).
	This button is visible only when sharing a package.
Export	Closes the <b>Package Dependencies</b> panel and opens the <b>Save as/ Commit Settings</b> dialog for saving/committing the package as separate project. The button is available, when the <b>Check Dependencies on Package Export/Sharing</b> environment option is set to <i>Allow dependencies</i> (to open the <b>Environment Options</b> dialog, select <b>Options</b> > <b>Environment</b> ).
	This button is visible only when exporting a package.

Column	Description
Status	Shows severity of the element dependency problem. The status can be Error, Warning, or Info.
	Dependencies that have Error status:
	<ul> <li>used project depends on the project</li> </ul>
	Dependencies that have Warning status:
	cyclic used project depends on other used projects
	Dependencies that have Info status:
	<ul> <li>project element depends on elements from shared packages (shared packages can belong both to the project and external project)</li> </ul>

Element Type	Displays element type.
Dependency Type	Displays dependency type.
Depends On	Displays the model element, on which the package/model element is dependent.
Project	Displays the name of the used project file that owns the model element, on which the package/model element depends.
Part of Cycling Dependency	Indicates that the element is a part of the cycling dependency*.

## \* Cyclic dependency method by the term of term

- M(1..X) are other used projects
  Identifying Package Dependencies
  AnAlyM(x) is elemented dependencies
  Unresolved dependencies
  M(y) M(x) is a dependency of at least one element in used project M(y) on used project M(x),

then this chain is called a cyclic dependency and every atomic dependency in this chain is considered as part of cyclic dependency.