



Supported SysML Concepts in Ansys medini® analyze™ version 2026 R1

IBM Rhapsody	Cameo (MagicDraw)	Enterprise Architect	SCADE Architect	Ansys SAM	Ansys medini analyze
<ul style="list-style-type: none"> Package UseCase 	<ul style="list-style-type: none"> Package UseCase 	Package	Package	<ul style="list-style-type: none"> Package Import 	SysMLPackage
<ul style="list-style-type: none"> Activity_D Block 	Block	<ul style="list-style-type: none"> Class Block Component 	Block (Definition)	Part Definition	SysMLBlock
Project	Project	Model	Project	Project	SysMLModel
InterfaceBlock ¹	InterfaceBlock ¹	InterfaceBlock ¹	--	PortDefinition	SysMLPortDefinition
Part	Part	Part	<ul style="list-style-type: none"> Block (unique) Block (replica) 	Part	SysMLPart
ValueType ²	ValueType ²	ValueType ²	--	AttributeDefinition	SysMLValueType
Block ¹⁵	<ul style="list-style-type: none"> Block¹⁵ Signal¹⁶ 	Block ¹⁵	--	ItemDefinition	SysMLItemDefinition
FlowProperty, FlowProperties ³	FlowProperty, FlowProperties ³	FlowProperty ³	--	Item	SysMLItemUsage or SysMLValueProperty
Enum ⁴	Enum ⁴	Enum ⁴	--	EnumerationDefinition	SysMLEnumerationDefinition
Enum Literal ⁵	Enum Literal ⁵	Enum Literal ⁵	--	Enumeration	SysMLEnumerationUsage
ValueProperty ⁶	ValueProperty ⁶	ValueProperty ⁶	--	Attribute	SysMLValueProperty
<ul style="list-style-type: none"> FlowPort⁷ ProxyPort⁷ Standard Port^{7,9} 	<ul style="list-style-type: none"> FlowPort⁷ ProxyPort⁷ Standard Port^{7,9} 	Port/FlowPort ^{7,8}	FlowPort	Port	SysMLPortUsage
Association ¹⁷ <ul style="list-style-type: none"> None Composite -- 	Association ¹⁷ <ul style="list-style-type: none"> None Composite Shared¹⁸ 	Association ¹⁷ <ul style="list-style-type: none"> None, Shared Composite -- 	--	--	SysMLConnectionDefinition <ul style="list-style-type: none"> None Composite Shared¹⁸
--	Actor	--	--	--	SysMLActor
<ul style="list-style-type: none"> Connector Flow 	<ul style="list-style-type: none"> Connector Flow 	<ul style="list-style-type: none"> Connector Information Flow 	Connector	<ul style="list-style-type: none"> Connector Interface 	SysMLConnector
ActivityDiagram	ActivityDiagram	Activity (Top-Level)	Activity (Diagram)		SysMLActivity
Action	Action	Action (kind: Atomic)	--		SysMLAction
SendAction	SendAction	Action (kind: SendSignal)	--		SysMLAction (Stereotype "SendAction")
AcceptEventAction	AcceptEventAction	Action (kind: AcceptEvent)	--		SysMLAction (Stereotype "AcceptEventAction")
CallBehavior	CallBehavior	Action (kind: CallBehavior)	--		SysMLAction (Stereotype "CallBehavior")
CallOperation	CallOperation	Action (kind: CallOperation)	--		SysMLAction (Stereotype "CallOperation")
ObjectNode	ObjectNode	Object, CentralBufferNode	--		SysMLObjectNode
Transition	Transition	ObjectFlow, ControlFlow	--		SysMLActivityEdge
DefaultTransition	DefaultTransition	--	--		SysMLInitialNode + SysMLActivityEdge

--	--	ActivityInitial	--		SysMLInitialNode
--	--	• ActionPin (input) • ActionPin (output)	--		• SysMLPin with direction "in" • SysMLPin with direction "out"
--	--	ActionPin	--		SysMLPin
--	--	ObjectNode	--		SysMLObjectNode
InterruptibleRegion	InterruptibleRegion	--	--		SysMLStructuredActivity (Stereotype "InterruptibleRegion")
--	--	• Activity (Nested) • InterruptibleActivityRegion • ExpansionRegion • ExceptionHandler • ActivityPartition	--		SysMLStructuredActivity
SwimLane	SwimLane	--	--		SysMLStructuredActivity (Stereotype "SwimLane")
• ActivityFinal • FlowFinal	• ActivityFinal • FlowFinal	• ActivityFinal • FlowFinal	--		SysMLFinalNode
• DecisionNode • MergeNode	• DecisionNode • MergeNode	• DecisionNode • MergeNode	--		SysMLDecisionMerge
• JoinConnector • Fork	• JoinConnector • Fork	Synchronization	--		SysMLForkJoin
• Allocation ¹⁰ • Dependency	Allocation ¹⁰	--	--	AllocationUsage	SysMLAbstraction (Stereotype "allocate")
--	• Dependency • Usage ¹⁴	Dependency	--	Dependency	SysMLDependency
Operation ¹¹	--	--	--		SysMLActivity (Stereotype "function")
Requirement ¹¹	--	--	--		SysMLAbstraction (Stereotype "requirement")
Satisfaction ¹¹	--	--	--		SysMLAbstraction (Stereotype "allocate")
Imported as screenshots ¹¹	BDD, IBD, and Activity diagrams are imported ¹²	Imported as screenshots ¹³	IBD diagrams, imported as read-only ¹²	Imported as screenshots ¹³	DIAGRAMS

FOOTNOTES

1. Import only to SysMLv2 concept
2. SysMLv2 concept, corresponds to ValueType in SysML 1.x
3. Import only to SysMLv2 concepts, when using SysML Profile
4. SysMLv2 concept, corresponds to Enum in SysML 1.x
5. SysMLv2 concept, corresponds to Literals in SysML 1.x
6. SysMLv2 concept, corresponds to ValueProperty in SysML 1.x
7. SysMLv2 concept, corresponds to Port in SysML 1.x
8. Import can be customized
9. Import can be disabled
10. Allocations to other Dependencies are not imported
11. Experimental feature

12. The imported diagrams are read-only and show only elements that are imported
13. Import is optional. See also *Importing Diagrams from Enterprise Architect* in this chapter.
14. A Usage is translated into a SysMLDependency with stereotype "uses"
15. A Block that is used to type a Flow Property is translated into a SysMLItemDefinition
16. A Signal that is used to type a Port is translated into a SysMLPortDefinition containing one instance of the SysMLItemDefinition
17. Associations involving Actors are supported for all three kinds: none, composite, shared
18. To create or import shared associations, you must select **Enable experimental SysML v2 features** in medini analyze project settings.