Type: object

Data structure of a serialized SDM4FZI project.

alternatives **Required**

root → alternatives

Type: array

List of alternatives

Each item of this array must be:

root → alternatives → Sdm4FziSerializedSerializedAlternative

Type: object

model **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → model

Type: object

Model containing the nodes and links of the diagram

nodeDataArray **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → nodeDataArray

Type: array

List of nodes in this model

Each item of this array must be:

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → nodeDataArray → nodeDataArray items

Any of

DiagramIconNodeData | DiagramTextNodeData | Sdm4FziDiagramItem

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → nodeDataArray → nodeDataArray items → anyOf → DiagramIconNodeData

Type: object

Data of a diagram icon node.

category **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → nodeDataArray → nodeDataArray items → anyOf → DiagramIconNodeData → category

Type: enum (of string)

Specifies the category, used for determining the visual template to use.

Must be one of:

"icon"

text

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → nodeDataArray → nodeDataArray items → anyOf → DiagramIconNodeData → text

Type: string

key

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → nodeDataArray → nodeDataArray items → anyOf → DiagramIconNodeData → key

Type: number

The unique key of the node

class **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → nodeDataArray → nodeDataArray items → anyOf → DiagramIconNodeData → class

Type: string

Specifies a unique identifier which describes the current node type (e.g. process, store or customer).

loc

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → nodeDataArray → nodeDataArray items → anyOf → DiagramIconNodeData → loc

Type: string

The location of the node in the diagram.
Format of this property is the x-coordinate, a space, and then the y-coordinate (e.g. "0 0" or "-200 400").
Increasing values of x are going rightwards and increasing values of y are going downwards.

photoNames **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → nodeDataArray → nodeDataArray items → anyOf → DiagramIconNodeData → photoNames

Type: array of string

File names of the attached photos

Each item of this array must be:

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → nodeDataArray → nodeDataArray items → anyOf → DiagramIconNodeData → photoNames → photoNames items

Type: string

class **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → class

Type: enum (of string)

Internal: Class of the model

Must be one of:

"GraphLinksModel"

copiesArrays **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → copiesArrays

Type: enum (of boolean)

Internal: Makes copies of property values that are Arrays

Must be one of:

true

copiesArrayObjects **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → copiesArrayObjects

Type: enum (of boolean)

Internal: When copying Arrays also copies array items that are Objects

Must be one of:

true

linkFromPortIdProperty **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → linkFromPortIdProperty

Type: enum (of string)

Internal: Name of the property which describes the source port

Must be one of:

"fromPort"

linkToPortIdProperty **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → linkToPortIdProperty

Type: enum (of string)

Internal: Name of the property which describes the target port

Must be one of:

"toPort"

modelData **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → modelData

Type: object

Data associated with this model

viewState

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → modelData → viewState

Type: object

Maintains state of the diagram view.

scale **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → modelData → viewState → scale

Type: number

Scale / Zoom factor of the diagram

position **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → modelData → viewState → position

Type: object

The position of the diagram in the viewport

x **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → modelData → viewState → position → x

Type: number

y **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → modelData → viewState → position → y

Type: number

linkDataArray **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → linkDataArray

Type: array

List of links in this model

Each item of this array must be:

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → linkDataArray → linkDataArray items

Any of

DiagramLink | DiagramItemLink

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → linkDataArray → linkDataArray items → anyOf → DiagramLink

Type: object

The data properties of generic link.

category **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → linkDataArray → linkDataArray items → anyOf → DiagramLink → category

Type: string

The category of the link

class **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → linkDataArray → linkDataArray items → anyOf → DiagramLink → class

Type: string

The class of the link

from

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → linkDataArray → linkDataArray items → anyOf → DiagramLink → from

Type: string or number

The ID of the source node

to

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → linkDataArray → linkDataArray items → anyOf → DiagramLink → to

Type: string or number

The ID of the target node

fromPort

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → linkDataArray → linkDataArray items → anyOf → DiagramLink → fromPort

Type: string

The port on the source node

toPort

root → alternatives → Sdm4FziSerializedSerializedAlternative → model → linkDataArray → linkDataArray items → anyOf → DiagramLink → toPort

Type: string

The port on the target node

name **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → name

Type: string

Name of the alternative

modificationTime **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → modificationTime

Type: string

Last date and time (ISO 8601 format) this alternative had been modified.

resultData

root → alternatives → Sdm4FziSerializedSerializedAlternative → resultData

Type: array

Result data of the last simulation run

Each item of this array must be:

root → alternatives → Sdm4FziSerializedSerializedAlternative → resultData → ResultData

Type: object

Simulation result data.

category

root → alternatives → Sdm4FziSerializedSerializedAlternative → resultData → ResultData → category

Type: string

Category of the data

nodeName **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → resultData → ResultData → nodeName

Type: string

Identifier of the data for mapping from ResultView

values **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → resultData → ResultData → values

Type: array

The actual result values, an array of objects with arbitrary properties
or in case of an error, the HTML-formatted error message

Each item of this array must be:

root → alternatives → Sdm4FziSerializedSerializedAlternative → resultData → ResultData → values → values items

Any of

Record | Option 2

root → alternatives → Sdm4FziSerializedSerializedAlternative → resultData → ResultData → values → values items → anyOf → Record

Type: object

simulationRun

root → alternatives → Sdm4FziSerializedSerializedAlternative → simulationRun

Type: object

Information about the lastest simulation run which has been executed for this alternative

state **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → simulationRun → state

Type: string

State of the simulation run

sentDate **Required**

root → alternatives → Sdm4FziSerializedSerializedAlternative → simulationRun → sentDate

Type: string

Date and time (ISO 8601 format) this simulation run has been sent

requestId

root → alternatives → Sdm4FziSerializedSerializedAlternative → simulationRun → requestId

Type: null or number

ID of the simulation request

resultsReceivedDate

root → alternatives → Sdm4FziSerializedSerializedAlternative → simulationRun → resultsReceivedDate

Type: string

Date and time (ISO 8601 format) when the results for this run have been received

details

root → alternatives → Sdm4FziSerializedSerializedAlternative → simulationRun → details

Type: null or string

lastOpenDate

root → alternatives → Sdm4FziSerializedSerializedAlternative → lastOpenDate

Type: null or string

Last date and time (ISO 8601 format) this alternative had been opened

isMain

root → alternatives → Sdm4FziSerializedSerializedAlternative → isMain

Type: boolean

Defines if this is the main alternative

extensions

root → alternatives → Sdm4FziSerializedSerializedAlternative → extensions

Type: object

Extension point for subprojects

Same definition as Record

name **Required**

root → name

Type: string

Name of the project

description

root → description

Type: string

Description of the project

settings **Required**

root → settings

Type: object

Settings of the project

shiftCalendars **Required**

root → settings → shiftCalendars

Type: array

Unused in SimUI. For now, an empty array should be assigned to this property.

Each item of this array must be:

root → settings → shiftCalendars → SerializedShiftCalendar

Type: object

id **Required**

root → settings → shiftCalendars → SerializedShiftCalendar → id

Type: number

name **Required**

root → settings → shiftCalendars → SerializedShiftCalendar → name

Type: string

shifts

root → settings → shiftCalendars → SerializedShiftCalendar → shifts

Type: array

Each item of this array must be:

root → settings → shiftCalendars → SerializedShiftCalendar → shifts → SerializedShiftCalendarShift

Type: object

id **Required**

root → settings → shiftCalendars → SerializedShiftCalendar → shifts → SerializedShiftCalendarShift → id

Type: string

name **Required**

root → settings → shiftCalendars → SerializedShiftCalendar → shifts → SerializedShiftCalendarShift → name

Type: string

startTime **Required**

root → settings → shiftCalendars → SerializedShiftCalendar → shifts → SerializedShiftCalendarShift → startTime

Type: string

endTime **Required**

root → settings → shiftCalendars → SerializedShiftCalendar → shifts → SerializedShiftCalendarShift → endTime

Type: string

pauses **Required**

root → settings → shiftCalendars → SerializedShiftCalendar → shifts → SerializedShiftCalendarShift → pauses

Type: array

Each item of this array must be:

root → settings → shiftCalendars → SerializedShiftCalendar → shifts → SerializedShiftCalendarShift → pauses → SerializedShiftPause

Type: object

startTime **Required**

root → settings → shiftCalendars → SerializedShiftCalendar → shifts → SerializedShiftCalendarShift → pauses → SerializedShiftPause → startTime

Type: string

endTime **Required**

root → settings → shiftCalendars → SerializedShiftCalendar → shifts → SerializedShiftCalendarShift → pauses → SerializedShiftPause → endTime

Type: string

type **Required**

root → settings → shiftCalendars → SerializedShiftCalendar → shifts → SerializedShiftCalendarShift → pauses → SerializedShiftPause → type

Type: string

name

root → settings → shiftCalendars → SerializedShiftCalendar → shifts → SerializedShiftCalendarShift → pauses → SerializedShiftPause → name

Type: string

activeOnMonday **Required**

root → settings → shiftCalendars → SerializedShiftCalendar → shifts → SerializedShiftCalendarShift → activeOnMonday

Type: boolean

activeOnTuesday **Required**

root → settings → shiftCalendars → SerializedShiftCalendar → shifts → SerializedShiftCalendarShift → activeOnTuesday

Type: boolean

activeOnWednesday **Required**

root → settings → shiftCalendars → SerializedShiftCalendar → shifts → SerializedShiftCalendarShift → activeOnWednesday

Type: boolean

activeOnThursday **Required**

root → settings → shiftCalendars → SerializedShiftCalendar → shifts → SerializedShiftCalendarShift → activeOnThursday

Type: boolean

activeOnFriday **Required**

root → settings → shiftCalendars → SerializedShiftCalendar → shifts → SerializedShiftCalendarShift → activeOnFriday

Type: boolean

activeOnSaturday **Required**

root → settings → shiftCalendars → SerializedShiftCalendar → shifts → SerializedShiftCalendarShift → activeOnSaturday

Type: boolean

activeOnSunday **Required**

root → settings → shiftCalendars → SerializedShiftCalendar → shifts → SerializedShiftCalendarShift → activeOnSunday

Type: boolean

modelling

root → settings → modelling

Type: object

Project-wide modelling settings.

gridSnapEnabled

root → settings → modelling → gridSnapEnabled

Type: boolean

gridVisible

root → settings → modelling → gridVisible

Type: boolean

guidedDragging

root → settings → modelling → guidedDragging

Type: boolean

linkValidationEnabled

root → settings → modelling → linkValidationEnabled

Type: boolean

Indicates if links should be validated against the predefined rules or if all links are allowed by default.

simulation

root → settings → simulation

Type: object

Project-wide simulation settings.

randomNumbersVariant Required

root → settings → simulation → randomNumbersVariant

Type: number

simulationStartDate Required

root → settings → simulation → simulationStartDate

Type: string

simulationEndDate Required

root → settings → simulation → simulationEndDate

Type: string

initialStatsOffsetInHours Required

root → settings → simulation → initialStatsOffsetInHours

Type: number

The initial offset in hours after which the recording of the statistics should be started by the simulator.

createdWithVersion **Required**

root → createdWithVersion

Type: string

Latest SimUI framework version the project is compatible with

mainVersion **Required**

root → mainVersion

Type: string

Latest main application version the project is compatible with.

resultView

root → resultView

Type: object

Definition of the view to display the simulation results.

sections **Required**

root → resultView → sections

Type: array

List of sections to be displayed in the result view.

Each item of this array must be:

root → resultView → sections → ResultSection

Type: object

A section within the result view.

class **Required**

root → resultView → sections → ResultSection → class

Type: string

Unique identifier for the section.

i18nTitle **Required**

root → resultView → sections → ResultSection → i18nTitle

Type: object

Translations for the title of the section.

en

root → resultView → sections → ResultSection → i18nTitle → en

Type: string or object

Specifies the English translation.

Additional Properties

Each additional property must conform to the following schema

root → resultView → sections → ResultSection → i18nTitle → additionalProperties

Type: string or object

showFromBeginning

root → resultView → sections → ResultSection → showFromBeginning

Type: boolean

Flag if the section should be visible initially. Default: false

i18nText

root → resultView → sections → ResultSection → i18nText

Type: object

Translations for the text of a section.

Same definition as i18nTitle

widgets

dynamicExpansion

root → dynamicExpansion

Type: object

Dynamic extensions for the project.

modelling

root → dynamicExpansion → modelling

Type: object

toolbox

root → dynamicExpansion → modelling → toolbox

Type: object

Custom toolbox for the project

id

root → dynamicExpansion → modelling → toolbox → id

Type: string

Specifies a unique ID of the toolbox.

version

root → dynamicExpansion → modelling → toolbox → version

Type: string

Specifies the version of the toolbox.

items **Required**

root → dynamicExpansion → modelling → toolbox → items

Type: array

Specifies the node items which are provided by the toolbox.

Each item of this array must be:

root → dynamicExpansion → modelling → toolbox → items → items items

Any of

ToolboxNodeData | ToolboxItem

root → dynamicExpansion → modelling → toolbox → items → items items → anyOf → ToolboxNodeData

Type: object

i18n **Required**

root → dynamicExpansion → modelling → toolbox → items → items items → anyOf → ToolboxNodeData → i18n

Type: object

Specifies the translated name of this item.
This object has one key per language. The key must be the two-letter language code.

```
en
```

group

root → dynamicExpansion → modelling → toolbox → items → items items → anyOf → ToolboxNodeData → group

Type: string

Class of the group this node belongs to.

hideInPalette

root → dynamicExpansion → modelling → toolbox → items → items items → anyOf → ToolboxNodeData → hideInPalette

Type: boolean

Specifies whether this item should be hidden in the toolbox.
Hiding this item is the toolbox also disables copying of the item in the diagram.
Defaults to false.

key

root → dynamicExpansion → modelling → toolbox → items → items items → anyOf → ToolboxNodeData → key

Type: number

The unique key of the node

category Required

root → dynamicExpansion → modelling → toolbox → items → items items → anyOf → ToolboxNodeData → category

Type: string

Specifies the category, used for determining the visual template to use.

class Required

root → dynamicExpansion → modelling → toolbox → items → items items → anyOf → ToolboxNodeData → class

Type: string

Specifies a unique identifier which describes the current node type (e.g. process, store or customer).

loc

root → dynamicExpansion → modelling → toolbox → items → items items → anyOf → ToolboxNodeData → loc

Type: string

The location of the node in the diagram.
Format of this property is the x-coordinate, a space, and then the y-coordinate (e.g. "0 0" or "-200 400").
Increasing values of x are going rightwards and increasing values of y are going downwards.

links **Required**

root → dynamicExpansion → modelling → toolbox → links

Type: array

Specifies the links which can be created between nodes.

Each item of this array must be:

root → dynamicExpansion → modelling → toolbox → links → ToolboxLink

Type: object

A link definition for a link between items the user can draw.

category **Required**

root → dynamicExpansion → modelling → toolbox → links → ToolboxLink → category

Type: string

Specifies the category, used for determining the visual template to use.

class **Required**

root → dynamicExpansion → modelling → toolbox → links → ToolboxLink → class

Type: string

Specifies a unique identifier of this link type.

color **Required**

root → dynamicExpansion → modelling → toolbox → links → ToolboxLink → color

Type: string

Specifies the color.

i18n **Required**

root → dynamicExpansion → modelling → toolbox → links → ToolboxLink → i18n

Type: object

Specifies the translated name.
This object has one key per language. The key must be the two-letter language code.

Same definition as i18n

groups

root → dynamicExpansion → modelling → toolbox → groups

Type: array

Specifies the groups into which the node items can be categorized.

Each item of this array must be:

root → dynamicExpansion → modelling → toolbox → groups → ToolboxGroup

Type: object

Definition for groups of a toolbox.
Assigning nodes to the same group will display them grouped together in the toolbox.

class **Required**

root → dynamicExpansion → modelling → toolbox → groups → ToolboxGroup → class

Type: string

Unique identifier of the group

i18n **Required**

root → dynamicExpansion → modelling → toolbox → groups → ToolboxGroup → i18n

Type: object

Translations of the group name

Same definition as i18n

backgroundImage

root → dynamicExpansion → modelling → backgroundImage

Type: string

Custom background image (base64-encoded) for the project

backgroundImageScale

root → dynamicExpansion → modelling → backgroundImageScale

Type: number

Custom background image scale

simulation

root → dynamicExpansion → simulation

Type: object

modelType

root → dynamicExpansion → simulation → modelType

Type: string

Name of the simulation model to execute.

modelVersion

root → dynamicExpansion → simulation → modelVersion

Type: string

Version of the simulation model

extensions

root → extensions

Type: object

Additional properties (unknown to SimUI) added by the application implementing the SimUI framework.

Same definition as Record

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