

Widget and Widget properties reference

October 20, 2023

REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

Contents

1	Introduction	1
2	Create the WidgetReference.adoc	2
3	Add test scope / ignore comments	3
4	Update the WidgetReference.adoc	4
5	AngularSliderWidget2D	5
	5.1 Property list	. 5
	5.2 Message list	. 9
6	AnimationControlWidget2D	10
	6.1 Property list	. 10
	6.2 Message list	. 13
7	AnimationWidget2D	14
	7.1 Property list	. 14
	7.2 Message list	. 15
8	AnimationWidget3D	17
	8.1 Property list	. 17
	8.2 Message list	. 17
9	ArabicLayouterPatchWidget	18
	9.1 Property list	. 18
	9.2 Message list	. 18
10	0 BaseLineLayouterWidget2D	19
	10.1 Property list	. 19
	10.2 Message list	. 20
11	1 BlurWidget2D	21
	11.1 Property list	. 21
	11.2 Message list	. 22

12	BlurWidget3D	23
	12.1 Property list	23
	12.2 Message list	24
13	ButtonAnimationWidget2D	25
	13.1 Property list	25
	13.2 Message list	29
14	ButtonGroupWidget2D	30
	14.1 Property list	30
	14.2 Message list	34
15	ButtonImageWidget2D	35
	15.1 Property list	35
	15.2 Message list	37
16	ButtonTextColorWidget2D	38
	16.1 Property list	38
	16.2 Message list	41
17	ButtonTextScrollWidget2D	42
	17.1 Property list	42
	17.2 Message list	43
18	ButtonWidget2D	44
	18.1 Property list	44
	18.2 Message list	48
19	CameraControlWidget2D	50
	19.1 Property list	50
	19.2 Message list	51
20	CanvasLayouterWidget2D	52
	20.1 Property list	52
	20.2 Message list	53
21	ClockWidget2D	54
	21.1 Property list	
	21.2 Message list	55
22	CollapseWidget2D	57
	22.1 Property list	57
	22.2 Message list	58

23	ColorBarWidget2D	59
	23.1 Property list	59
	23.2 Message list	60
24	ColorEffectWidget2D	61
	24.1 Property list	61
	24.2 Message list	62
25	ColorSwitchWidget2D	63
	25.1 Property list	63
	25.2 Message list	65
26	ComboBoxWidget2D	66
	26.1 Property list	66
	26.2 Message list	69
27	ControlTemplateWidget2D	70
	27.1 Property list	70
	27.2 Message list	71
28	CoverflowListWidget2D	72
	28.1 Property list	72
	28.2 Message list	81
29	DelegateWidget2D	82
	29.1 Property list	82
	29.2 Message list	85
30	DirectTextureConsumer2D	86
	30.1 Property list	
	30.2 Message list	89
31	DirectTextureConsumer3D	90
	31.1 Property list	90
	31.2 Message list	90
32	DirectTextureProvider2D	91
	1 7	91
	32.2 Message list	92
33	DirectTextureProvider3D	93
	33.1 Property list	93
	33.2 Message list	93

34	DockSideWidget2D	94
	34.1 Property list	94
	34.2 Message list	95
35	DropDownListWidget2D	96
	35.1 Property list	96
	35.2 Message list	105
36	EditFieldWidget2D	106
	36.1 Property list	106
	36.2 Message list	112
37	EffectControlWidget2D	114
	37.1 Property list	114
	37.2 Message list	117
38	EnableGroupWidget2D	118
	38.1 Property list	118
	38.2 Message list	119
39	FlexBaseLineLayouterWidget2D	120
	39.1 Property list	120
	39.2 Message list	121
40	FlexCanvasLayouterWidget2D	122
	40.1 Property list	122
	40.2 Message list	123
41		124
	41.1 Property list	
	41.2 Message list	125
42	FlexDockSideWidget2D	126
	42.1 Property list	
	42.2 Message list	127
43	FlexDropdownListWidget2D	128
	43.1 Property list	128
	43.2 Message list	141
44		142
	44.1 Property list	142
	44.2 Message list	155

45	FlexOverlayLayouterWidget2D	156
	45.1 Property list	156
	45.2 Message list	157
46	FlexScrollBar2D	158
	46.1 Property list	158
	46.2 Message list	163
47	FlexScrollBarButton2D	164
	47.1 Property list	164
	47.2 Message list	169
48	FlexSizeWidget2D	170
	48.1 Property list	170
	48.2 Message list	171
49	FlexSwitchWidget2D	172
	49.1 Property list	172
	49.2 Message list	173
50	FlexToggleWidget2D	17 4
	50.1 Property list	
	50.2 Message list	175
51	FocusGroupWidget2D	176
	51.1 Property list	176
	51.2 Message list	178
52	GestureWidget2D	179
	52.1 Property list	179
	52.2 Message list	182
53	GizmoWidget2D	185
	53.1 Property list	185
	53.2 Message list	190
54	GridAutoArrangeWidget2D	192
	54.1 Property list	192
	54.2 Message list	193
55	HandWriting_Util_Widget2D	194
	55.1 Property list	
	55.2 Message list	199

56	ImageEffectWidget2D	200
	56.1 Property list	200
	56.2 Message list	201
57	ImageSwitchWidget2D	202
	57.1 Property list	202
	57.2 Message list	208
58	LabelWidget2D	209
	58.1 Property list	209
	58.2 Message list	210
59	LineListWidget3D	211
	59.1 Property list	211
	59.2 Message list	211
60	ListBindingWidget2D	212
	60.1 Property list	212
	60.2 Message list	213
61	ListFixedPageMovementGapWidget2D	214
	61.1 Property list	214
	61.2 Message list	215
62	ListItemAnimationMarkerWidget2D	216
	62.1 Property list	216
	62.2 Message list	217
63	ListMovementAnimationsProviderWidget2D	218
	63.1 Property list	218
	63.2 Message list	219
64	ListOverscrollWidget2D	220
	64.1 Property list	220
	64.2 Message list	221
65	ListScrollAnchorWidget2D	222
	65.1 Property list	
	65.2 Message list	223
66	ListSpeedAnimationWidget2D	224
	66.1 Property list	224
	66.2 Message list	225

67	ListWidget2D	226
	67.1 Property list	226
	67.2 Message list	236
68	MarginWidget2D	244
	68.1 Property list	244
	68.2 Message list	245
69	MarkerWidget2D	246
	69.1 Property list	246
	69.2 Message list	247
70	MeshWidget2D	248
	70.1 Property list	248
	70.2 Message list	250
71	MeterWidget2D	251
	71.1 Property list	251
	71.2 Message list	252
72	MultiSliderHelperWidget3D	253
	72.1 Property list	253
	72.2 Message list	253
73	MultiSliderWidget2D	254
	73.1 Property list	254
	73.2 Message list	257
74	NodeControlWidget2D	258
	74.1 Property list	258
	74.2 Message list	261
75	OPSWidget2D	262
	75.1 Property list	262
	75.2 Message list	263
76	OffscreenTouchProxyWidget2D	264
	76.1 Property list	264
	76.2 Message list	268
77	OverlayLayouterWidget2D	269
	77.1 Property list	269
	77.2 Message list	270

78	PageEditWidget2D	271
	78.1 Property list	271
	78.2 Message list	274
79	PanelSlideWidget2D	276
	79.1 Property list	276
	79.2 Message list	279
80	ProgressBarWidget2D	281
	80.1 Property list	281
	80.2 Message list	282
81	RichTextHighlightWidget2D	283
	81.1 Property list	283
	81.2 Message list	284
82	RichTextMarqueeWidget2D	285
	82.1 Property list	285
	82.2 Message list	286
83	RichTextWidget2D	288
	83.1 Property list	288
	83.2 Message list	292
84	ScopeWidget2D	293
	84.1 Property list	293
	84.2 Message list	294
85	ScrollBarButtonWidget2D	295
	85.1 Property list	295
	85.2 Message list	299
86	ScrollBarWidget2D	300
	86.1 Property list	300
	86.2 Message list	305
87	ScrollableRichTextWidget2D	306
	87.1 Property list	306
	87.2 Message list	309
88	ScrollableTextWidget2D	311
	88.1 Property list	311
	88.2 Message list	317

89	SimpleButtonWidget3D	318
	89.1 Property list	318
	89.2 Message list	319
90	SizeWidget2D	320
	90.1 Property list	320
	90.2 Message list	321
91	SliderWidget2D	322
	91.1 Property list	322
	91.2 Message list	326
92	SolidColorEffectWidget2D	327
	92.1 Property list	327
	92.2 Message list	328
93	SpellerWidget2D	329
	93.1 Property list	329
	93.2 Message list	333
94	StepAnimationWidget2D	335
	94.1 Property list	335
	94.2 Message list	337
95	SurfaceInputRegionWidget2D	338
	95.1 Property list	338
	95.2 Message list	339
96	SurfaceRegionWidget2D	340
	96.1 Property list	340
	96.2 Message list	341
97	SwitchWidget2D	342
	97.1 Property list	
	97.2 Message list	343
98	TextAreaWidget2D	344
	98.1 Property list	344
	98.2 Message list	351
99	TextBaseLineOffsetWidget2D	352
	99.1 Property list	
	99.2 Message list	353

100TextColorWidget2D	354
100.1Property list	354
100.2Message list	355
101TextExtensionWidget2D	356
101.1Property list	356
101.2Message list	357
102TextHighlightWidget2D	358
102.1Property list	358
102.2Message list	359
103TextWaitAnimationWidget2D	360
103.1Property list	360
103.2Message list	361
104TextWidget2D	362
104.1Property list	362
104.2Message list	367
105TextWidget2DV2	368
105.1Property list	368
105.2Message list	370
106TextureImageWidget3D	372
106.1Property list	372
106.2Message list	372
107TimerWidget2D	373
107.1Property list	373
107.2Message list	374
108ToggleWidget2D	375
108.1Property list	375
108.2Message list	376
109TwoDimensionSliderWidget2D	377
109.1Property list	377
109.2Message list	381
110ViewSwitchWidget2D	382
110.1Property list	382
110.2Message list	383

Widget and Widget properties reference	xii
Automatically generated from CGI Studio xml file MetaInfo_0_test.xml.	

Introduction

- The reference document provides a list of all Widgets and of all properties and all messages of these Widgets. (includes each type, bindable property, description, test link and ignore comment if have)
- The reference document is nearly fully generated from the CGI XML file.
- The reference document will be included into the widget document.
- All the information and the update should be collected and verified by the FeatureTrace analysis.
- The extracted details in either of these files is required to be checked: HMI Base Feature Trace and Widget Property Information from HMI Base Widget Guide Documentation

Create the WidgetReference.adoc

- Check path to CGI Studio generated XML file with information of all Widgets.
- Scan CGI Studio generated XML file for Widget information. (e.g., all properties of all Widgets with additional details)
- $\bullet \ \ Collect\ information\ from\ existing\ Widget Reference. a doc.$
- Create Widget Reference adoc file.
- Path of script: \tools\ci_tools\rbcm-jen-hmib\featureTracking\WidRefGen\.

Add test scope / ignore comments

- The test scope link should be added/updated to the document when the creation of TML test case is completed.
- The ignored status should be updated in the column test scope where the feature/property could not be tested.

Update the WidgetReference.adoc

- Using the AddLinkWidRef script to automatically remove old and add new test scope links to WidgetReference.adoc.
- Update the test plan and documents dir path in Configure file at the same path level.
- Open cmd at the current dir then run the command: python AddLinkWidRef.py.
- Path of script for updating the test scope: \views\cmd_super\ai_hmi_cgi\test\HMIBase_TML\TestCases_scripts\TMLDocGeneratorSociety

AngularSliderWidget2D

Name: AngularSliderWidget2D

Description: The slider is the widget for controlling a value by positioning a knob / thumb in a legal range.

Category: Range

Name	Bind able	Type	Description	Test Scope
AngularSliderType	False	Enum	Type of angular slider	
AnimationDuration	False	UShort	Animation duration for which the marker node rotation to be animated	
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies	Ignored:
			the id of the appearance responsible to	Under
			change, based on widget state (enabled,	development
			pressed, active, focused), the images and	
			the colors for the widget node and the	
			descendant nodes. The appearances are	
			registered at start-up.	
BitmapFillNode	False	Node2D	1	
			corresponding to the current value.	
ContinuousUpdateOnDrag	False	Bool	Set to true if value updates are required	
			while dragging, set to false if update is	
			required only at the end of drag.	
ControllerId	True	Short	Identifies the controller attached to this	Ignored: Id
			widget.	of a
			-1 no controller is attached;	controller
			0 default controller for the class is	registered at
			attached (used for derived classes);	start-up. It
			1n id of a controller registered at	cant be
			start-up;	changed
				during run
				time
CurrentValue	True	Float	Current value of the slider marker, should	TC_W02_01
			be in the range between MinVal and	
			MaxVal.	

DisabledTouching	True	Bool	Widget can be touched also when it is disabled.	TC_W02_08
DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The TTFis simulation for the gesture action is not
Due	Tura	Daal	Enghla dua a catana data sti an	ready yet.
Drag DragDirection	True False	Bool Enum	Enable drag gesture detection Direction in which drag should be	
DiagDirection	Taise	Liiuiii	detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	TC_W02_08
EnableAnimation	False	Bool	Enable animation for marker node	
FillerPositionIsKnobCenter	False	Bool	Filler starts at center of marker, for example round knob.	
FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	

Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis
				simulation
				for the
				gesture
				action is not
				ready yet.
GestureConfigId	True	UInt	Identifies the gesture configuration used	Ignored: Not
8			for this widget.	tested
			Gesture configurations are registered at	because this
			start-up and attached to widgets using	property is
			numerical ids (0 is used for the default	inherited and
			configuration defined in the widget).	not specific
			For more information please read the	to this
			gesture configuration chapter in the	Widget.
			widget user guide.	
InheritEnabled	True	Bool	If true then this widget is considered	Ignored: Not
			effectively enabled only if both local	tested
			Enabled and the value inherited from the	because this
			ancestor EnableGroupWidget2D are true.	property is
			If this widget has no	inherited and
			EnableGroupWidget2D ancestor or	will be
			InheritEnabled is false then only the local	tested with
			Enabled is used.	Enabled-
				GroupWid-
				get
MarkerMovement	False	Enum	Defines the way the slider marker moves	
			on tap or drag.	
			For TimedStepMovement the marker will	
			move one step on Press and will keep	
			moving one step for every Repeat, this	
			means that PressRepeat needs to be	
			enabled and Drag needs to be disabled to	
W 1 W 1		N. 1.0D	prevent jumping on Drag.	
MarkerNode	False	Node2D	11	
			bitmap used for the slider marker (Knob,	
M. 1 . N 1D'/	E.L.	TIT	Thumb).	
MarkerNormalBitmap	False	UInt	DEPRECATED! Use the appearance	
MarkerSelectedBitmap	False	UInt	concept to change bitmaps based on state. DEPRECATED! Use the appearance	
WarkerSelectedBitiliap	raise	Ullit	concept to change bitmaps based on state.	
MaxVal	True	Float	Maximum value for slider at last marker	TC_W02_04
wax vai	True	rioat	(e.g Tuner 108.0 Mhz)	TC_W02_04
MaximumAngle	False	Float	Angle of the Indicator to represent the	
Maximumangic	Taise	1710at	maximum value	
MinVal	True	Float	Minimum value for slider at first marker	TC_W02_03
	1100	11000	(e.g Tuner 88.0 Mhz)	10_1102_03
MinimumAngle	False	Float	Angle of the Indicator to represent the	
	1 4150	11041	minimum value	
Name	False	CharArr	a)The name of the widget instance	
Node	False	Node2D		
NI O.CC4	True	UShort	Total number steps for the marker	TC_W02_02
NumOfSteps	1 1100		_	
NumOrsteps	1100		movement. The stepsize will be	
NumOrSteps			movement. The stepsize will be calculated based on given range and	
NumOrSteps				

PaddingMaxVal	False	Float	Maximum graphical padding value on right hand, offset in pixel to the last valid marker for maximum value (calculated from the end of the background scale bitmap)	
PaddingMaximumAngle	False	Float	Maximum padding angle for which the marker will be positioned for the maximum value	
PaddingMinVal	False	Float	Minimum graphical padding value on left hand, offset in pixel to the first valid marker for minimum value (calculated from the beginning of the background scale bitmap).	
PaddingMinimumAngle	False	Float	Minimum padding angle for which the marker will be positioned for the minimum value	
PinchSpread	True	Bool	Enable pinch and spread gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
PressHold	True	Bool	Enable hold gesture detection	
PressRepeat	True	Bool	Enable repeat gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
RawTouch	True	Bool	Enable raw touch coordinate routing (mainly for hand writing recognition)	Ignored: Not tested because this property is inherited and not specific to this Widget.
Rotate	True	Bool	Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
RotationType	False	Enum	Type of angular slider rotation	
SliderBackGround	False	Node2D	The Scene Tree Node that renders sliders background grid with scale markers on top.	
SliderOrientation	False	Enum	Defines the orientation of the slider marker movement and the slider bar.	TC W02 02
StepSize	True	Float	Defines the stepsize for movement of slidermarker.	TC_W02_02

Swipe	True	Bool	Enable swipe gesture detection	
SwipeDirection	False	Enum	Direction in which swipe should be	
			detected	
Tap	True	Bool	Enable press and tap gesture detection	
TouchPriority	True	UInt	Increase this priority to handle touch	Ignored: Not
			message for this widget before widgets	tested
			with a lower priority	because this
				property is
				inherited and
				not specific
				to this
				Widget.
Touchable	True	Bool	Widget is Touchable or not	TC_W02_08
TouchableRadius	False	Float	Distance from the center of the angular	
			slider to the required touchable region	
TouchableRadiusOffset	False	Float	Offset from the Touchable radius to be	
			considered as touchable region	
UseNumofSteps	False	Bool	If this property is set to true NumOfSteps	
			will be visible and used, else StepSize	
			will be visible and used.	
UserData	True	UInt	Together with the view and the widget	Ignored: The
			identifier, this user data is a parameter to	infrastruc-
			many messages posted by the widgets	ture is in the
			which can be used in the state machine or	base widget,
			in the data model. Use data binding to	No extra
			change this value dynamically and store	information
X7. 11.1		D 1	extra information in the widgets.	to store here.
Visible	True	Bool	Configures the node property	TC_W02_09
			EnableRendering which is used to	
			determine if the node is rendered or not.	
			A node is effectively rendered if it and all	
			its ancestors have rendering enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
X7. 1.1. F., .1.1. 1	F-1.	D 1	the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then the result is unpredictable.	
			the result is unpredictable.	

Name	Subscritt@escription	Members	Distribu llost
			Scope

AnimationControlWidget2D

Name: AnimationControlWidget2D

Description: Provides support to control (configure, start, stop) an animation. The animation can be defined in SceneComposer

or created internally by this widget. Also provides support to add an animated property to the animation.

Category: Animation

Name	Bind able	Type	Description	Test Scope
AnimatedPropertyEnabled	True	Bool	Adds an animated property for the	TC_W55_17
			associated node to the animation.	
Animation	False	Animation ABraise ation created in Scene Composer		
			which is used as external source.	
AnimationPlayerSource	False	Enum	If source is internal then the animation	
			will be created and destroyed by this	
			widget, otherwise an animation created in	
			SceneComposer must be used.	
Channels	True	Enum	Configures the animation channels based	TC_W55_01
			on the animated property type. By default	
			all the members of the property type will	
			be animated but this allows to animate	
			only the member X or Y from a Vector2.	
			Or just the member Top from a Margin.	
			Ch_0 - X, Red, Left;	
			Ch_1 - Y, Green, Top;	
			Ch_2 - Z, Blue, Width, Right;	
			Ch_3 - W, Alpha, Height, Bottom;	
CurrentFirstKeyframeEnabled	True	Bool	When enabled, the value(s) of the first	TC_W55_10
			keyframe are taken from the node when	
			the animation is started.	
Direction	True	Enum	Specifies if the animation is played	TC_W55_04
			forwards or backwards.	
DirectionEnabled	False	Bool	Enables the configuration of Direction	
			parameter for external animations.	

Duration	True	Int	When that duration has elapsed, playback will stop or act according to the repeat settings.	TC_W55_13
DurationEnabled	False	Bool	Enables the configuration of Duration parameter for external animations.	
EaseParams	True	custom:	//Stringupported yet! Additional parameters required for ease interpolation strategy.	Ignored: This property is not supported yet.
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	Ignored: This property has not been supported for testing for this widget.
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: This property is dependent on Enable- GroupWid- get2D, so it will be tested in En- ableGroup- Widget2D section.
InterpolationStrategy	True	Enum	Interpolation function which calculates the values between keyframes.	TC_W55_18
KeyframeCount	True	UShort	Number of keyframes (it needs to be at least 2).	TC_W55_03
KeyframeValues	True	Float	Values of the keyframes. Depending on the type and the channel configuration of the animated property the number of values for each keyframe is between 1 and 4. 1 value is required for simple types (bool, int, float); 2 values are required for Vector2; 3 values are required for Vector3; 4 values are required for Color, Rectangle and Margin; For example if it is required to animate a property of type Vector2 then 2 values will be required for each keyframe (values at positions 0 and 1 are for the first keyframe and so on).	TC_W55_02
Name	False	CharArr	ayThe name of the widget instance	
Node	False		The associated node of the widget.	

Property	True	Enum	Node property to be animated. Also allows to specify that a widget property should be animated. Only properties of the following types can be animated: bool, int, float, Vector2,	TC_W55_12
			Vector3, Rectangle, Color and Margin.	
RepeatCount	True	UInt	Configures how many times the	
repeatedant	1100		animation is executed when started using	
			Courier messages. RepeatCount has no	
			effect if the animation is started using	
			ShouldRun property.	
RepeatCountEnabled	False	Bool	Enables the configuration of RepeatCount	
r			parameter for external animations.	
RepeatMode	True	Enum	When the animation is played multiple	TC_W55_05
.			times, it can be played from the	
			beginning for each iteration or it can	
			bounce forwards and backwards.	
RepeatModeEnabled	False	Bool	Enables the configuration of RepeatMode	
<u>F</u>			parameter for external animations.	
SequenceTimes	True	Int	Sequence time of the keyframes.	TC_W55_14
ShouldRun	True	Bool	The animation will run when the value of	TC_W55_06
			this property is true. This property is	
			available only if the value of StartMode	
			property is Message.	
SpeedFactor	True	Float	Increases or decreases the animation	TC_W55_07
T			speed.	
SpeedFactorEnabled	False	Bool	Enables the configuration of SpeedFactor	
-F			parameter for external animations.	
StartMode	False	Enum	Configures how the animation is started.	
			StartMode as Message is only supported	
			for external animations and they will be	
			started by posting	
			Courier::AnimationReqMsg messages	
			from the application.	
			If StartMode is Property then the	
			animation will be started based on	
			ShouldRun property.	
StartTime	True	Int	The point in sequence time where the	TC W55 15
	1100		animation playback shall start.	
StartTimeEnabled	False	Bool	Enables the configuration of StartTime	
· · · · · · · · · · · · · · · · · · ·			parameter for external animations.	
Visible	True	Bool	Configures the node property	TC_W55_09
	1100		EnableRendering which is used to	
			determine if the node is rendered or not.	
			A node is effectively rendered if it and all	
			its ancestors have rendering enabled.	
	1	1		
			Please notice that if the same property of	
			Please notice that if the same property of a node is set from multiple sources then	

VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	
Widget	False	Widget	Widget to be animated.	
WidgetProperty	True	custom:	//SWindget property to be animated.	TC_W55_11
			Only properties of the following types	
			can be animated: bool, int, float, Vector2,	
			Vector3, Rectangle, Color and Margin.	

Name	Subscritt@escription	Members	Distribu ffost
			Scope

AnimationWidget2D

Name: AnimationWidget2D

Description: Provides support to create simple animations.

Category: Animation

Name	Bind	Type	Description	Test Scope
	able			
Amplitude	False	Float	Amplitude : Courier::Float	
BounceCount	False	Byte	BounceCount : Courier::UInt8	
Channel1	True	custom:	// Stinist @hannel	TC_W01_03
Channel2	True	custom:	//StricogndChannel	TC_W01_03
Direction	True	Enum	Direction of the Animation	TC_W01_01
EaseDirection	False	Enum	Direction of Ease Interpolation	
Enable	True	Bool	Enables this widget. Some widgets (for	Ignored:
			example button) use this property while	This
			others ignore it.	property has
			If InheritEnabled is true then this widget	not been
			is considered effectively enabled only if	supported
			both local Enabled and the value	for testing
			inherited from the ancestor	for this
			EnableGroupWidget2D are true.	widget.
Exponent	False	Float	Exponent : Courier::Float	
ExponentElastic	False	Float	ExponentElastic : Courier::Float	
FunctionType	False	Enum	FunctionType of Ease Interpolation	

InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: This property is dependent on Enable- GroupWid- get2D, so it will be tested in En- ableGroup- Widget2D section.
InterpolationStrategy	False	Enum	Type of Interpolation used for Animation	
KeyFrameCount	False	UInt	Number of Key Frames	
Name	False		ayThe name of the widget instance	
Node	False		The associated node of the widget.	
OscillationCount	False	Byte	OscillationCount : Courier::UInt8	
Power	False	Byte	Power: Courier::UInt8	
PropertyAnimation PropertyAnimation	False	Enum	Animation Type	
RepeatTimes	False	UInt	Number of times the Animation has to	
	1 4150		repeat	
RestitutionCoefficient	False	Float	RestitutionCoefficient : Courier::Float	
SequenceTime	True	1	//StringnceTime	TC_W01_04
ShouldRun	True	Bool	Auto Start the Animation when the view	TC W01 02
			is loaded	10_1,01_02
SpeedFactor	False	Float	Speed of Animation	
ToggleDirection	False	Bool	Change the Animation Direction after	
			completion of Animation	
Visible	True	Bool	Configures the node property	TC_W01_09
			EnableRendering which is used to	
			determine if the node is rendered or not.	
			A node is effectively rendered if it and all	
			its ancestors have rendering enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	
WidgetPropertyNameToAnimate	False	custom:	//Shurowingde the name of the widget property	
			which has to be animated	
WidgetToAnimate	False	Widget	Associate a widget whose property is to	
			be animated	

Name	Subscribes cription	Members	Distribu ffest	1
			Scope	

AnimationAbortI	ndWoodel,	AnimationAbortIndMsg is posted by the		sequen	ti alC_W 01_1:	2
	View,	AnimationWidget2D, each time when the animation		-		
	Con-	is stopped before the completion of one animation				
	troller	cycle, or when the scene is destroyed (switch to				
		another view) before the animation ends.				
AnimationWidget	In Monthey.	AnimationWidgetIndMsg is posted by the	IterationCount:	sequen	ti alC_W 01_1	l
	View,	AnimationWidget2D, each time when the animation	Courier::Int32.			
	Con-	is completed.	+			
	troller					
AnimationWidget	R ∀ipM sg	The Animation can be started/stopped by posting the	AnimationAction	: sequen	tialC_W01_1	1
		AnimationWidgetReqMsg.	Courier::Animati	onAction	ı::Enum.	
			+			

AnimationWidget3D

Name: AnimationWidget3D

Description: Provides support to create simple 3D animations

Category: Animation

8.1 Property list

Name	Bind	Type	Description	Test Scope
	able			
Duration	True	UInt	Set the duration of the animation	
Enabled	False	Bool	Enabled: Enable or disable the widget	
Name	False	CharArr	a The name of the widget instance	
Node	False	Node3D	The associated node of the widget.	
PropertyAnimation	False	Enum	Animation Type	
TargetColor	True	Color	Set the target color of animation	
TargetValue	True	Vector3	Set the target value of animation	

Name	Subscribion Subscription	Members	Distribu ffest
			Scope

ArabicLayouterPatchWidget

Name: ArabicLayouterPatchWidget Description: ArabicLayouterPatchWidget

Category: Layout

9.1 Property list

Name	Bind able	Туре	Description	Test Scope
Enabled	False	Bool	The ArabicLayouterPatch is enabled or	
			disabled for this scene. Last widget in the scene will set the final value.	
Name	False	CharArı	a)The name of the widget instance	
Node	False	Node2D	The associated node of the widget.	

Name	Subscri lides cription	Members	Distribu ffost
			Scope

BaseLineLayouterWidget2D

Name: BaseLineLayouterWidget2D

Description: Sets a baseline layouter and the baseline offset on a composite node or a normal group. Associate the widget directly to the targeted composite or group. Don't use the nested level because it can create confusion and lead to errors.

Category: Layout

Name	Bind	Type	Description	Test Scope
	able			
BaseLineOffset	True	Float	Baseline offset used by the layouter.	
Enable	True	Bool	Enables this widget. Some widgets (for	
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
InheritEnabled	True	Bool	If true then this widget is considered	
			effectively enabled only if both local	
			Enabled and the value inherited from the	
			ancestor EnableGroupWidget2D are true.	
			If this widget has no	
			EnableGroupWidget2D ancestor or	
			InheritEnabled is false then only the local	
			Enabled is used.	
Name	False	CharAı	rayThe name of the widget instance	

NestedLevel	True	UInt	DEPRECATED: This property was required in the past when it was not possible to associate a widget directly to the composite. The value of this property represents the ancestor's level, relative to the associated node, that will be targeted by this widget. This property should not be used because it creates confusion and can lead to errors. Just associate the widget directly to the targeted composite or group.
Node	False	Node2D	
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.

Name	Subscrib@escription	Members	Distribu tiost
			Scope

BlurWidget2D

Name: BlurWidget2D

Description: BlurWidget2D widget

Category: Image

Name	Bind able	Туре	Description	Test Scope
BitmapMask	True	Bitmap	Sets the bitmap, which is used as mask for blur.	TC_W56_05
BlendOutput	True	Bool	Which Rendermode the Blur Output camera will be using	
BlurEnabled	True	Bool	Whether or not blurring is enabled.	TC_W56_03
BlurMaskVariant	True	Enum	Sets the selected shader for blur	Ignored: Not tested because this property can not be set dynamically. But tested statically through the initial screenshot.
BlurRadius	True	Int	Sets the radius of the blur.	TC_W56_02
BlurRadiusToSigma	True	Float	Sets the factor to calculate sigma from the blur radius. Typical values are between 0.5 and 0.33.	TC_W56_04
BlurShaderVariant	False	Enum	Sets the selected shader for blur	
CombineMask	False	Bool	Sets flag to determine if the mask render target is combined with the blurred scene.	
Darken	True	Float	Sets the darkening factor for the shader	TC_W56_01
DirtyAreaRectangle	False	Rectang	leSets the rectangle which is set as dirty area for blurring.	

Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	Ignored: Not tested because this property is inherited and not specific to this Widget
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: Not tested because this property is inherited and will be tested with Enabled-GroupWidget
KeepFrameBufferContent	False	Bool	Sets flag to determine if the content outside the blur mask is taken from the	
			input framebuffer or discarded.	
Multipass	False	Bool	Sets single pass or multi pass blur shader.	
Name	False		a)The name of the widget instance	
Node	False		The associated node of the widget.	
RenderNodeMask	False	Node2E	Sets the node, that defines the position of	
			the bitmap used as mask for blur.	
RenderTargetMask	False	Render	a Sets the render target that is used as mask	
			for blur.	
SubsamplingFactor	False	Int	Sets the subsampling factor for the	
			blurred render target.	
UseManualDirtyArea	False	Bool	Sets flag that determines, if a manually	
			defined dirty area is to be used.	
Visible	True	Bool	Configures the node property	Ignored: Not
			EnableRendering which is used to	tested
			determine if the node is rendered or not.	because this
			A node is effectively rendered if it and all	property is
			its ancestors have rendering enabled.	inherited and
			Please notice that if the same property of	not specific
			a node is set from multiple sources then	to this
			the result is unpredictable.	Widget
VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	

Name	Subscrib@escription	Members	Distribu ffest	
			Scope	

BlurWidget3D

Name: BlurWidget3D

Description: BlurWidget3D widget

Category: Image

Name	Bind able	Туре	Description	Test Scope
BillboardMask	False	Node3D	Sets the render node, that defines the position of the bitmap used as mask for blur.	
BitmapMask	True	Bitmap	Sets the bitmap, which is used as mask for blur.	
BlendOutput	True	Bool	Which Rendermode the Blur Output camera will be using	
BlurEnabled	True	Bool	Whether or not blurring is enabled.	
BlurMaskVariant	True	Enum	Sets the selected shader for blur	
BlurRadius	True	Int	Sets the radius of the blur.	
BlurRadiusToSigma	True	Float	Sets the factor to calculate sigma from the blur radius. Typical values are between 0.5 and 0.33.	
BlurShaderVariant	False	Enum	Sets the selected shader for blur	
CombineMask	False	Bool	Sets flag to determine if the mask render target is combined with the blurred scene.	
Darken	True	Float	Sets the darkening factor for the shader	
DirtyAreaRectangle	False		leSets the rectangle which is set as dirty area for blurring.	
Enabled	False	Bool	Enabled: Enable or disable the widget	
KeepFrameBufferContent	False	Bool	Sets flag to determine if the content outside the blur mask is taken from the input framebuffer or discarded.	
Multipass	False	Bool	Sets single pass or multi pass blur shader.	
Name	False		a)The name of the widget instance	
Node	False	Node3D	The associated node of the widget.	

RenderTargetMask	False	Render 7	afgets the render target that is used as mask	
			for blur.	
SubsamplingFactor	False	Int	Sets the subsampling factor for the	
			blurred render target.	
UseManualDirtyArea	False	Bool	Sets flag that determines, if a manually	
			defined dirty area is to be used.	

Name	Subscribescription	Members	Distribu llost
			Scope

ButtonAnimationWidget2D

Name: ButtonAnimationWidget2D

Description: Button extension widget which provides support to create simple animations started when the button state changes. The button state contains 4 flags (Enabled, Pressed, Active and Focused) which can be set to true or false independently. Therefore we have 8 possible transitions which can be used as triggers for the animation. At least one trigger should be enabled otherwise the animation is never started. Additionally for the flags which are not used as triggers it is possible to set up guards, conditions evaluated when the triggers are received. For example start an animation on button press but only if the button is also active.

Category: Button

Name	Bind	Type	Description	Test Scope
	able			
Amplitude	False	Float	Amplitude : Courier::Float	
BounceCount	False	Byte	BounceCount : Courier::UInt8	
Channel1	True	custom:	//SRimist@hannel	Ignored:
				This
				property will
				be tested for
				Animation
				widget
Channel2	True	custom:	//SterinogadChannel	Ignored:
				This
				property will
				be tested for
				Animation
				widget
CheckActive	True	Bool	If this property is enabled then the button	TC_W60_14
			Active flag will be checked before	
			starting the animation.	
CheckEnabled	True	Bool	If this property is enabled then the button	TC_W60_15
			Enabled flag will be checked before	
			starting the animation.	

CheckFocused	True	Bool	If this property is enabled then the button Focused flag will be checked before starting the animation.	Ignored: The TTFis simulation for the gesture action is not ready yet
CheckPressed	True	Bool	If this property is enabled then the button Pressed flag will be checked before starting the animation.	TC_W60_16
Direction	True	Enum	Direction of the Animation	Ignored: This property will be tested for Animation widget
EaseDirection	False	Enum	Direction of Ease Interpolation	
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	Ignored: This property has not been supported for testing
Exponent	False	Float	Exponent : Courier::Float	
ExponentElastic	False	Float	ExponentElastic : Courier::Float	
FunctionType	False	Enum	FunctionType of Ease Interpolation	
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: This property has not been fully developed
InterpolationStrategy	False	Enum	Type of Interpolation used for Animation	
IsActive	True	Bool	The animation is started only if the button Active flag matches this property.	TC_W60_14
IsEnabled	True	Bool	The animation is started only if the button Enabled flag matches this property.	TC_W60_15
IsFocused	True	Bool	The animation is started only if the button Focused flag matches this property.	Ignored: The TTFis simulation for the gesture action is not ready yet
IsPressed	True	Bool	The animation is started only if the button Pressed flag matches this property.	TC_W60_16
KeyFrameCount	False	UInt	Number of Key Frames	
Name	False		ra)The name of the widget instance	
Node	False		The associated node of the widget.	
OnActivate	True	Bool	If this property is enabled and the button becomes active then the animation will be started. Guards can be configured to provide additional conditions.	TC_W60_10

OnDeactivate	True	Bool	If this property is enabled and the button becomes inactive then the animation will be started. Guards can be configured to provide additional conditions.	TC_W60_12
OnDisable	True	Bool	If this property is enabled and the button becomes disabled then the animation will be started. Guards can be configured to provide additional conditions.	TC_W60_05
OnEnable	True	Bool	If this property is enabled and the button becomes also enabled then the animation will be started. Guards can be configured to provide additional conditions.	TC_W60_07
OnFocus	True	Bool	If this property is enabled and the button gains focus then the animation will be started. Guards can be configured to provide additional conditions.	Ignored: The TTFis simulation for the gesture action is not ready yet
OnLoseFocus	True	Bool	If this property is enabled and the button loses focus then the animation will be started. Guards can be configured to provide additional conditions.	Ignored: The TTFis simulation for the gesture action is not ready yet
OnPress	True	Bool	If this property is enabled and the button is pressed then the animation will be started. Guards can be configured to provide additional conditions.	TC_W60_01
OnRelease	True	Bool	If this property is enabled and the button is released then the animation will be started. Guards can be configured to provide additional conditions.	TC_W60_03
OscillationCount	False	Byte	OscillationCount : Courier::UInt8	
Power	False	Byte	Power : Courier::UInt8	
PropertyAnimation	False	Enum	Animation Type	
RepeatTimes	False	UInt	Number of times the Animation has to repeat	
RestitutionCoefficient	False	Float	RestitutionCoefficient : Courier::Float	
ReverseOnActivate	True	Bool	If this property is enabled then the animation will run backwards when started by OnActivate trigger	TC_W60_11
ReverseOnDeactivate	True	Bool	If this property is enabled then the animation will run backwards when started by OnDeactivate trigger	TC_W60_13
ReverseOnDisable	True	Bool	If this property is enabled then the animation will run backwards when started by OnDisable trigger	TC_W60_06
ReverseOnEnable	True	Bool	If this property is enabled then the animation will run backwards when started by OnEnable trigger	TC_W60_08

ReverseOnFocus	True	Bool	If this property is enabled then the animation will run backwards when started by OnFocus trigger	Ignored: The TTFis simulation for the gesture action is not
ReverseOnLoseFocus	True	Bool	If this property is enabled then the animation will run backwards when started by OnLoseFocus trigger	ready yet Ignored: The TTFis simulation for the gesture action is not ready yet
ReverseOnPress	True	Bool	If this property is enabled then the animation will run backwards when started by OnPress trigger	TC_W60_02
ReverseOnRelease	True	Bool	If this property is enabled then the animation will run backwards when started by OnRelease trigger	TC_W60_04
SequenceTime	True	custom:	//SkripgenceTime	Ignored: This property will be tested for Animation widget
ShouldRun	True	Bool	Auto Start the Animation when the view is loaded	Ignored: This property will be tested for Animation widget
SpeedFactor	False	Float	Speed of Animation	Winger
ToggleDirection	False	Bool	Change the Animation Direction after completion of Animation	
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W60_09
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	
WidgetPropertyNameToAnimate	False	custom:	// Strow gde the name of the widget property which has to be animated	
WidgetToAnimate	False	Widget	Associate a widget whose property is to be animated	

Name	Subscribion Subscription	Members	Distribu llost
			Scope

ButtonGroupWidget2D

Name: ButtonGroupWidget2D

Description: Groups buttons together and provides support for option groups in which maximum one button is active.

Category: Button

Name	Bind	Type	Description	Test Scope
	able			
ActiveIndex	True	Int	Index of the active button. If set to -1 no	TC_W61_01
			button will be active.	
AdornerContainerNode	False	Node2D	If the container node is specified, then the	
			adorner will be added into this node,	
			otherwise it will be added as direct child	
			of the scene.	
AnimationDuration	True	UInt	Duration of the button slide animation. If	TC_W61_02
			set to 0 the duration configured in the	
			adorner manager will be used.	
AnimationEnabled	True	Bool	Enables the button slide animation. The	TC_W61_03
			animation will be started only if both this	
			property and the parameter	
			ButtonGroupReqMsg.Animate are true.	
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies	Ignored:
			the id of the appearance responsible to	Under
			change, based on widget state (enabled,	development
			pressed, active, focused), the images and	
			the colors for the widget node and the	
			descendant nodes. The appearances are	
			registered at start-up.	

ControllerId	True	Short	Identifies the controller attached to this widget1 no controller is attached; 0 default controller for the class is attached (used for derived classes); 1n id of a controller registered at start-up;	Ignored: Id of a controller registered at start-up. It cant be changed during run time
DisabledTouching	True	Bool	Widget can be touched also when it is disabled.	Ignored: Not tested because this property is inherited and not specific to this Widget.
DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The TTFis simulation for the gesture action is not ready yet.
Drag	True	Bool	Enable drag gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
DragDirection	False	Enum	Direction in which drag should be detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	TC_W61_08

FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	
Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not ready yet.
GestureConfigId	True	UInt	Identifies the gesture configuration used for this widget. Gesture configurations are registered at start-up and attached to widgets using numerical ids (0 is used for the default configuration defined in the widget). For more information please read the gesture configuration chapter in the widget user guide.	Ignored: Not tested because this property is inherited and not specific to this Widget.
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: Not tested because this property is inherited and will be tested with Enabled-GroupWidget
Name	False		The name of the widget instance	2
Node	False		The associated node of the widget.	
PinchSpread	True	Bool	Enable pinch and spread gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.

PressHold	True	Bool	Enable hold gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
PressRepeat	True	Bool	Enable repeat gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
RawTouch	True	Bool	Enable raw touch coordinate routing (mainly for hand writing recognition)	Ignored: Not tested because this property is inherited and not specific to this Widget.
Rotate	True	Bool	Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
Swipe	True	Bool	Enable swipe gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
SwipeDirection	False	Enum	Direction in which swipe should be detected	
Тар	True	Bool	Enable press and tap gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.

TouchPriority	True	UInt	Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.
Touchable	True	Bool	Widget is Touchable or not	Ignored: Not tested because this property is inherited and not specific to this Widget.
UserData	True	UInt	Together with the view and the widget identifier, this user data is a parameter to many messages posted by the widgets which can be used in the state machine or in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	Ignored: The infrastructure is in the base widget, No extra information to store here.
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W61_09
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subsci	ib Des cription	Members	Distrib	u ilos t
					Scope
ButtonGroupReq	MVgew		Action:		
			enButton-		
			GroupAction.		
			ButtonIndex:		
			Courier::Int.		
			Animate: bool.		
			+		

ButtonImageWidget2D

Name: ButtonImageWidget2D

Description: Provides support to create buttons for which the background or the icon reflects the state of that button. This widget should be attached to a bitmap render node and the button widget should be attached to the same node or an ancestor of it.

Category: Button

Name	Bind	Type	Description	Test Scope
	able			
ActiveDisabledBitmap	True	Image21	Bitmap used when the button is Disabled,	TC_W05_01
			not Pressed, Active and not Focused.	
ActiveNormalBitmap	True	Image21	Bitmap used when the button is Enabled,	TC_W05_01
			not Pressed, Active and not Focused.	
ActivePressedBitmap	True	Image21	Bitmap used when the button is Enabled,	
			Pressed, Active and not Focused.	
ActivePressedDisabledBitmap	True	Image21	Bitmap used when the button is Disabled,	
			Pressed, Active and not Focused.	
Color	True	Color	Color to be set on the effect of the	TC_W05_03
			RenderNode.	
DisabledBitmap	True	Image21	Bitmap used when the button is Disabled,	TC_W05_01
			not Pressed, not Active and not Focused.	
Enable	True	Bool	Enables this widget. Some widgets (for	TC_W05_08
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	

FallbackStrategyEnabled	True	bitmap is not set ar is enabled other bit otherwiase a null b the bitmap brush. I works as follows: f	current state. If that and the fallback strategy	TC_W05_02
FocusedActiveDisabledBitmap	True	Image2D Bitmap used when not Pressed, Active		Ignored: Not tested because focus states are not supported in the test app.
FocusedActiveNormalBitmap	True	Image2D Bitmap used when not Pressed, Active	and Focused.	Ignored: Not tested because focus states are not supported in the test app.
FocusedActivePressedBitmap	True	Image2D Bitmap used when Pressed, Active and		Ignored: Not tested because focus states are not supported in the test app.
FocusedActivePressedDisabledBitmap	True	Image2D Bitmap used when Pressed, Active and		Ignored: Not tested because focus states are not supported in the test app.
FocusedDisabledBitmap	True	Image2D Bitmap used when not Pressed, not Ac	-	Ignored: Not tested because focus states are not supported in the test app.
FocusedNormalBitmap	True	Image2D Bitmap used when not Pressed, not Ac		Ignored: Not tested because focus states are not supported in the test app.

FocusedPressedBitmap FocusedPressedDisabledBitmap	True		D Bitmap used when the button is Enabled, Pressed, not Active and Focused. D Bitmap used when the button is Disabled, Pressed, not Active and Focused.	Ignored: Not tested because focus states are not supported in the test app. Ignored: Not tested because focus states are not supported in the test app.
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: Not tested because this property is inherited and will be tested with Enabled-GroupWidget
Name	False	CharArı	a The name of the widget instance	
Node	False	Node2D	The associated node of the widget.	
NormalBitmap	True	Image21	Bitmap used when the button is Enabled,	TC_W05_01
			not Pressed, not Active and not Focused.	
PressedBitmap	True	Image21	D Bitmap used when the button is Enabled, Pressed, not Active and not Focused.	
PressedDisabledBitmap	True	Image21	D Bitmap used when the button is Disabled, Pressed, not Active and not Focused.	
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W05_09
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscrib@escription	Members	Distribu ifost
			Scope

ButtonTextColorWidget2D

Name: ButtonTextColorWidget2D

Description: Changes the color of a text depending on the button state. This extension widgets uses two more widgets in the same scene: one button widget from which it will get the state and one text widget on which it will set the text color depending on the button state. Those two widgets should be linked to nodes which are ancestors of this widget's node. A particular situation would be when the button widget, the text widget and the button text color widget are linked to the same node.

Category: Button

Name	Bind able	Туре	Description	Test Scope
ActiveDisabledTextColor	True	Color	Text color used when the button is Disabled, not Pressed, Active and not Focused.	Ignored: Not tested because this property is having a reported problem but the fix is not available. Kindly see in RTC_950198.
ActiveNormalTextColor	True	Color	Text color used when the button is Enabled, not Pressed, Active and not Focused.	Ignored: Not tested because this property is having a reported problem but the fix is not available. Kindly see in RTC_950198.

ActivePressedDisabledTextColor	True	Color	Text color used when the button is Disabled, Pressed, Active and not	
			Focused.	
ActivePressedTextColor	True	Color	Text color used when the button is Enabled, Pressed, Active and not Focused.	
DisabledTextColor	True	Color	Text color used when the button is Disabled, not Pressed, not Active and not Focused.	Ignored: Not tested because this property is having a reported problem but the fix is not available. Kindly see in RTC_950198.
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	TC_W06_03
FocusedActiveDisabledTextColor	True	Color	Text color used when the button is Disabled, not Pressed, Active and Focused.	Ignored: Not tested because focus states are not supported in the test app.
FocusedActiveNormalTextColor	True	Color	Text color used when the button is Enabled, not Pressed, Active and Focused.	Ignored: Not tested because focus states are not supported in the test app.
FocusedActivePressedDisabledTextColor	True	Color	Text color used when the button is Disabled, Pressed, Active and Focused.	Ignored: Not tested because focus states are not supported in the test app.
FocusedActivePressedTextColor	True	Color	Text color used when the button is Enabled, Pressed, Active and Focused.	Ignored: Not tested because focus states are not supported in the test app.

FocusedDisabledTextColor	True	Color	Text color used when the button is Disabled, not Pressed, not Active and Focused.	Ignored: Not tested because focus states are not supported in the test app.
FocusedNormalTextColor	True	Color	Text color used when the button is Enabled, not Pressed, not Active and Focused.	Ignored: Not tested because focus states are not supported in the test app.
FocusedPressedDisabledTextColor	True	Color	Text color used when the button is Disabled, Pressed, not Active and Focused.	Ignored: Not tested because focus states are not supported in the test app.
FocusedPressedTextColor	True	Color	Text color used when the button is Enabled, Pressed, not Active and Focused.	Ignored: Not tested because focus states are not supported in the test app.
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: Not tested because this property is inherited and will be tested with Enabled-GroupWidget
Name	False	CharArr	a The name of the widget instance	
Node	False		The associated node of the widget.	
NormalTextColor	True	Color	Text color used when the button is Enabled, not Pressed, not Active and not Focused.	Ignored: Not tested because this property is having a reported problem but the fix is not available. Kindly see in RTC_950198.

OutlineColorConfiguration	True	Bool	If set to true this widget will configure the outline color property of the text widget instead of the text color. Please refer to the outline effects documentation for information on how to render text with outline.	TC_W06_02
PressedDisabledTextColor	True	Color	Text color used when the button is Disabled, Pressed, not Active and not Focused.	
PressedTextColor	True	Color	Text color used when the button is Enabled, Pressed, not Active and not Focused.	
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W06_09
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscrib@escription	Members	Distribu tiost
			Scope

ButtonTextScrollWidget2D

Name: ButtonTextScrollWidget2D

Description: Scrolls the text associated with a button widget. This extension widgets uses two more widgets in the same scene: one button widget from which it will get the state and one text widget on which it will set the text scrolling depending on the button state. Those two widgets should be linked to nodes which are ancestors of this widget's node. A particular situation would be when the button widget, the text widget and the button text scroll widget are linked to the same node.

Category: Button

Name	Bind able	Type	Description	Test Scope
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor	
			EnableGroupWidget2D are true.	
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	
Name	False	CharAr	ra)The name of the widget instance	
Node	False	Node2I	The associated node of the widget.	
ScrollOnFocusGain	True	Bool	Starts scrolling the text when the button gains the focus.	
StopOnSpeedLock	True	Bool	Stops scrolling the text when the speedlock is enabled.	

Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.

Name	Subscribes cription	Members	Distribu ffest
			Scope

ButtonWidget2D

Name: ButtonWidget2D

Description: Interactive widget which sends reaction messages when pressed or released. The button state contains several flags (enabled, pressed, active and focused) which are set in various ways. Additional widgets like ButtonImageWidget2D or Button-TextColorWidget2D are required to model the appearance of a button which provides feedback about its state. See the widget documentation for more details.

Category: Button

Name	Bind able	Туре	Description	Test Scope
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies the id of the appearance responsible to change, based on widget state (enabled, pressed, active, focused), the images and the colors for the widget node and the descendant nodes. The appearances are registered at start-up.	Ignored: Under development
ControllerId	True	Short	Identifies the controller attached to this widget1 no controller is attached; 0 default controller for the class is attached (used for derived classes); 1n id of a controller registered at start-up;	Ignored: Id of a controller registered at start-up. It cant be changed during run time
DisabledTouching	True	Bool	Widget can be touched also when it is disabled.	TC_W04_03

DoubleTap	True	Bool	Enable double tap gesture detection Enable drag gesture detection	Ignored: This property is tested through Button in List of List- Combination Widget 2D Ignored: Not tested
				because this property is inherited and not specific to this Widget.
DragDirection	False	Enum	Direction in which drag should be detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
EditorFocused	False	Bool	Sets the focused flag in order to preview the appearance in SceneComposer. It has no effect in the simulation or on the target.	
EditorPressed	False	Bool	Sets the pressed flag in order to preview the appearance in SceneComposer. It has no effect in the simulation or on the target.	
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	TC_W04_08
FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.

FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	
Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not ready yet.
GestureConfigId	True	UInt	Identifies the gesture configuration used for this widget. Gesture configurations are registered at start-up and attached to widgets using numerical ids (0 is used for the default configuration defined in the widget). For more information please read the gesture configuration chapter in the widget user guide.	Ignored: Not tested because this property is inherited and not specific to this Widget.
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: Not tested because this property is inherited and will be tested with Enabled-GroupWidget
IsActive Name	True	Bool	Indicates if the button is active. For toggle/radio button active means checked/selected. For normal button active means that the option/action is active (for example track is playing, station is tuned, etc).	TC_W04_02
Node PinchSpread	False True	Node2D Bool	Enable pinch and spread gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
PostButtonReactionMsg	False	Bool	ButtonReactionMsg messages will be posted only if this property is true.	TC_W04_01

PressHold	True	Bool	Enable hold gesture detection	Ignored: This
				property is
				tested
				through
				Button in
				List of List-
				Combination
D. D. A		D 1	E 11	Widget 2D
PressRepeat	True	Bool	Enable repeat gesture detection	Ignored: This
				property is
				tested
				through
				Button in
				List of List-
				Combination
				Widget 2D
RawTouch	True	Bool	Enable raw touch coordinate routing	Ignored: Not
			(mainly for hand writing recognition)	tested
				because this
				property is
				inherited and
				not specific
				to this
Detect	T	D 1	Endland and and discount	Widget.
Rotate	True	Bool	Enable rotate gesture detection	Ignored: Not tested
				because this
				property is
				inherited and
				not specific
				to this
				Widget.
Swipe	True	Bool	Enable swipe gesture detection	Ignored: Not
				tested
				because this
				property is
				inherited and
				not specific
				to this
SwimaDinaction	False	Enum	Direction in which awing should be	Widget.
SwipeDirection	raise	Ellulli	Direction in which swipe should be detected	
Тар	True	Bool	Enable press and tap gesture detection	Ignored:
r	1100	2501	press and mp gestare detection	This
				property is
				tested
				through
				Button in
				List of List-
				Combination
TimerConfiguration				Widget 2D
	False	Enum	Configures the timer.	

TouchHandler	True	Int	Specifies the id of the touch handler for this button. A touch handler can provide a custom sensitive area for buttons (for example circle, triangle, etc). Touch handlers are registered at application start-up.	Ignored: Not tested because this property is inherited and not specific to this Widget.
TouchPriority	True	UInt	Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.
Touchable	True	Bool	Widget is Touchable or not	TC_W04_01
TouchableArea	False	Kectan	button. X and Y are coordinates relative to the upper left corner of the node effective bounding rectangle. If width or height are zero or negative the effective bounding rectangle of the node will be used as touchable area (X and Y will also be ignored).	
UserData	True	UInt	Together with the view and the widget identifier, this user data is a parameter to many messages posted by the widgets which can be used in the state machine or in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	Ignored: The infrastructure is in the base widget, No extra information to store here.
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W04_09
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscritt@escription	Members	Distribu ffost
			Scope

ButtonListItemUp	od ©osg ro Model		ListId: Courier::UInt32.		TC_W25_04
			Hdl: Courier::UInt32.		
			SubHdl: Courier::UInt32.		
			Reaction: enReaction. +		
ButtonReactionMs	s © ontro	ller,	enReaction:	sequen	tialC_W25_04
	View,		enReaction.		
	Model	ı	1	'	
	l		SurfaceId:	'	
	l		Courier::UInt32.	'	
	l		+	'	
ButtonSlideMsg	Contro	ller,	Event:	sequen	tialC_W04_11
	Model		hmibase::widget::		enGestureEvent::E

CameraControlWidget2D

Name: CameraControlWidget2D

Description: Controls the properties of a camera allowing to expose them outside composites or to change them using data

binding sources. *Category:* Common

Name	Bind able	Type	Description	Test Scope
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	
InheritEnabled True		Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	
Name	False	CharArr	a)The name of the widget instance	
Node	False	Node2D	The associated node of the widget.	

UseForTouch	True	Bool	Enables the associated camera to be used in the beginning of the touch session for checking if the touch coordinates are inside the bounding rectangle of a widget's node. Cameras which render into window surfaces usually need to have it enabled. Cameras which render into framebuffers need it sometimes disabled to prevent the buttons from being touchable outside their visual position.	
UseForTouchEnabled	False	Bool	Enables the configuration of the camera internal property UseForTouch.	
Viewport	True	Rectan	gleSets the Viewport property of the associated camera.	TC_W62_04
ViewportEnabled	False	Bool	Enables the configuration of the camera property Viewport.	
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscribles cription	Members	Distribu ffost
			Scope

CanvasLayouterWidget2D

Name: CanvasLayouterWidget2D

Description: DEPRECATED! Don't use this widget! Use an overlay layouter instead. Sets a canvas layouter (position will be

kept as defined and layouting will be forwarded to the child nodes) on a node.

Category: Deprecated

Name	Bind	Туре	Description	Test Scope
	able			
Enable	True	Bool	Enables this widget. Some widgets (for	
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
InheritEnabled	True	Bool	If true then this widget is considered	
			effectively enabled only if both local	
			Enabled and the value inherited from the	
			ancestor EnableGroupWidget2D are true.	
			If this widget has no	
			EnableGroupWidget2D ancestor or	
			InheritEnabled is false then only the local	
			Enabled is used.	
LayoutChildren	True	Bool	The value that will be st for the	
•			LayoutChildren property of the	
			ancestor's FlexCanvasLayouter instance.	
Name	False	CharAı	TayThe name of the widget instance	
NestedLevel	True	UInt	The ancestor's level, relative to the	
			associated node, that will have the	
			layouter set to an FlexCanvasLayouter.	
Node	False	Node2I	<u> </u>	

Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.

Name	Subscribes cription	Members	Distribu ffest
			Scope

ClockWidget2D

Name: ClockWidget2D

Description: ClockWiget is used to display an analogue clock with a clock face as background image and two or three clock hand images for hours, minute and second. The clock is skinable, meaning the complete set of images(clock face and hands) can be changed during runtime.

Category: Extra

Name	Bind able	Type	Description	Test Scope
ClockFaceImageName	False	custom:	//SMraime for the clock face image (e.g.	
C			'ClockFaceBmp'.	
Enable	True	Bool	Enables this widget. Some widgets (for	Ignored:
			example button) use this property while	This
			others ignore it.	property has
			If InheritEnabled is true then this widget	not been
			is considered effectively enabled only if	supported
			both local Enabled and the value	for testing.
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
Hour	True	Byte	The hour value (023).	TC_W07_02
HourImageName	False	custom:	//SMraime for the hour image stored in the	
			asset. The can be used with an image set	
			of 60 images, in this case the name	
			should contain a placeholder [%d] for the	
			hours index. If the name has no	
			placeholder, than only one single image	
			will be uploaded and internal SetRotate()	
			will update the hour (e.g.	
			'ClockHour_%02dBmp').	
ImagePath	False	custom:	//Parthgo the clock images which must	
			include a placeholder [%d] for the skin	
			index (e.g. 'Wid-	
			gets#Scenes2D#Bitmaps#Clock#Skin%d')	

InheritEnabled	True	Bool	If true then this widget is considered	Ignored: Not
			effectively enabled only if both local	tested
			Enabled and the value inherited from the	because this
			ancestor EnableGroupWidget2D are true.	property is
			If this widget has no	inherited and
			EnableGroupWidget2D ancestor or	will be
			InheritEnabled is false then only the local	tested with
			Enabled is used.	Enabled-
				GroupWid-
				get
Minute	True	Byte	The Minute value (059).	TC_W07_02
MinuteImageName	False	custom:	//SMaimage for the hour image stored in the	
			asset. The can be used with an image set	
			of 60 images, in this case the name	
			should contain a placeholder [%d] for the	
			minutes index. If the name has no	
			placeholder, than only one single image	
			will be uploaded and internal SetRotate()	
			will update the minute (e.g.	
			'ClockMin_%02dBmp').	
Name	False	CharArı	a)The name of the widget instance	
Node	False		The associated node of the widget.	
Second	True	Byte	The Second value (059).	TC_W07_02
SecondImageName	False		//Svinner for the hour image stored in the	16_1107_02
Secondinagervanie	1 disc	Custom.	asset. The can be used with an image set	
			of 60 images, in this case the name	
			should contain a placeholder [%d] for the	
			seconds index. If the name has no	
			placeholder, than only one single image	
			will be uploaded and internal SetRotate()	
			will update the seconds (e.g.	
			'ClockSec_%02dBmp').	TG W/07 04
SkinIndex	True	Byte	The index of the skin $(0,1,)$.	TC_W07_01
SmoothRotation	False	Bool	Hour and minute hands movement will	
			be smooth, if it sets to true	
Visible	True	Bool	Configures the node property	TC_W07_09
			EnableRendering which is used to	
			determine if the node is rendered or not.	
			A node is effectively rendered if it and all	
			its ancestors have rendering enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	
		1	and result is unpredictable.	

Name	Subscr	ib loes cription	Members	Distrib	u ffost
					Scope

CollapseWidget2D

Name: CollapseWidget2D

Description: DEPRECATED! Don't use this widget! Instead set the Collapsible property of the node and hide it using the Visible

property of any widget attached to it. Collapses a node by settings its size to (0,0) and its visibility to false.

Category: Deprecated

Name	Bind able	Туре	Description	Test Scope
Collapsed	True	Bool	Whether the ancestor will be collapsed or	
			not.	
Enable	True	Bool	Enables this widget. Some widgets (for	
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
InheritEnabled	True	Bool	If true then this widget is considered	
			effectively enabled only if both local	
			Enabled and the value inherited from the	
			ancestor EnableGroupWidget2D are true.	
			If this widget has no	
			EnableGroupWidget2D ancestor or	
			InheritEnabled is false then only the local	
			Enabled is used.	
Name	False	CharAı	ra The name of the widget instance	
NestedLevel	True	UInt	The ancestor's level, relative to the	
			associated node, that will be collapsed.	
Node	False	Node21	The associated node of the widget.	

Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.

Name	Subscribes cription	Members	Distribu ffest
			Scope

ColorBarWidget2D

Name: ColorBarWidget2D

Description: Provides support for a horizontal or a vertical color bar. The color bar thickness is 1 pixel (use node scale or stretch to achieve a different thickness) and its length is the sum of all segments length. Each segment is defined by a length and a color.

Category: Common

Colors Enable	True True	Color Bool	Colors used for segments	TO WAC 01
			Colors used for segments	TC W/46 01
Enable	True	Rool	Colors doed for segments	TC_W46_01
		DUUI	Enables this widget. Some widgets (for	Ignored:
			example button) use this property while	This
			others ignore it.	property is
			If InheritEnabled is true then this widget	inherited and
			is considered effectively enabled only if	not specific
			both local Enabled and the value	to this
			inherited from the ancestor	Widget.
			EnableGroupWidget2D are true.	
Id	True	UInt	Unique identifier of a widget.	TC_W46_03
			ColorBarDataUpdMsg identifies this Id	
			to send update to specific widget	
InheritEnabled	True	Bool	If true then this widget is considered	Ignored:
			effectively enabled only if both local	This
			Enabled and the value inherited from the	property is
			ancestor EnableGroupWidget2D are true.	inherited and
			If this widget has no	not specific
			EnableGroupWidget2D ancestor or	to this
			InheritEnabled is false then only the local	Widget.
			Enabled is used.	
Lengths	True	UInt	Array of length defines length of each	TC_W46_02
			segment in the color bar.	
Name	False		ayThe name of the widget instance	
Node	False	Node2D	The associated node of the widget.	
Orientation	False	Enum Setup the orientation of color bar, should		
			be vertical or horizontal	

Visible	True	Bool	Configures the node property	TC_W46_09
			EnableRendering which is used to	
			determine if the node is rendered or not.	
			A node is effectively rendered if it and all	
			its ancestors have rendering enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	

Name	Subscr	ib loes cription	Members	Distrib	น ปิ๊อร t
					Scope
ColorBarDataUpo	lWigw	Response from DataModel.	Id: ::Can-		TC_W46_03
			dera::UInt32.		
		Properties:			
		Id: Define the id of bar item	Data: tColor-		
		Data: The data array, define the color and length of	BarDataPtr.		
		each bar	+		

ColorEffectWidget2D

Name: ColorEffectWidget2D

Description: Manipulates the Color property of the existing effect of a RenderNode.

Category: Common

Name	Bind able	Туре	Description	Test Scope
Color	True	Color	Color to be set on the effect of the	TC_W45_01
Enable	True	Bool	RenderNode. Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor	Ignored: This derived property is not used in ColorEffect widget.
InheritEnabled	True	Bool	EnableGroupWidget2D are true. If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: Not tested because this property is inherited and will be tested with Enabled-GroupWidget
Name	False	CharAr	raThe name of the widget instance	
Node	False	Node2I	The associated node of the widget.	

Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W45_09
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscribes cription	Members	Distribu ffest
			Scope

ColorSwitchWidget2D

Name: ColorSwitchWidget2D

Description: Selects a color from an array based on an index or a source widget state and sets it on a target color property of an

effect or another widget. *Category:* Common

Name	Bind able	Type	Description	Test Scope
Colors	True	Color	Colors : Can-	TC_W42_02
			dera::ArrayProperty <candera::color></candera::color>	
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while	Ignored: This
			others ignore it.	property has
			If InheritEnabled is true then this widget	not been
			is considered effectively enabled only if	supported
			both local Enabled and the value	for testing.
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
Index	True	UInt	Index used to select the color.	TC_W42_01
IndexSource	False	Enum	Specifies how the index is determined. It	
			can be explicitely specified using the	
			Index property or it can be obtained based	
			on the state of another widget associated	
			to the same node or an ancestor node.	
InheritEnabled	True	Bool	If true then this widget is considered	Ignored: Not
			effectively enabled only if both local	tested
			Enabled and the value inherited from the	because this
			ancestor EnableGroupWidget2D are true.	property is
			If this widget has no	inherited and
			EnableGroupWidget2D ancestor or	will be
			InheritEnabled is false then only the local	tested with
			Enabled is used.	Enabled-
				GroupWid-
				get

Name	False	CharArr	a)The name of the widget instance	
Node	False		The associated node of the widget.	
StateFlags	False	Enum	Specifies which flags of the source widget	
			state are used to determine the index.	
			The number of colors required for the	
			Colors array property depends on the	
			number of flags which are used:	
			- 1 flag (Enabled, Pressed, Active,	
			Focused)	
			=> 2 colors [0, 1],	
			- 2 flags (PressedEnabled, ActiveEnabled,	
			ActivePressed, FocusedEnabled,	
			FocusedPressed, FocusedActive)	
			=> 4 colors [00, 01, 10, 11],	
			- 3 flags (ActivePressedEnabled,	
			FocusedPressedEnabled,	
			FocusedActivePressed)	
			=> 8 colors [000, 001, 010, 011, 100,	
			101, 110, 111],	
			- 4 flags (FocusedActivePressedEnabled)	
			=> 16 colors [0000, 0001, 0010, 0011,	
			0100, 0101, 0110, 0111, 1000, 1001,	
			1010, 1011, 1100, 1101, 1110, 1111].	
			The order or the flags should match the	
			order of the colors.	
			For example, PressedEnabled requires 4	
			colors:	
			NotPressed_NotEnabled=Colors[0],	
			- NotPressed_Enabled=Colors[1],	
			- Pressed_NotEnabled=Colors[2],	
			- Pressed_Enabled=Colors[3].	
Target	False	Enum	Specifies how the target color property is	
			determined. It can be a property of an	
			effect contained in the node or it can be a	
			property of a widget associated to the	
			same node as this widget.	
Visible	True	Bool	Configures the node property	TC_W42_09
			EnableRendering which is used to	
			determine if the node is rendered or not.	
			A node is effectively rendered if it and all	
			its ancestors have rendering enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	

Name	Subscribion Subscription	Members	Distribu ffost
			Scope

ComboBoxWidget2D

Name: ComboBoxWidget2D

Description: Provides support to implement comboboxes which are combination between a button (or other touchable item) and

a drop down panel

Category: Under construction

Name	Bind	Туре	Description	Test Scope
	able			
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies	
			the id of the appearance responsible to	
			change, based on widget state (enabled,	
			pressed, active, focused), the images and	
			the colors for the widget node and the	
			descendant nodes. The appearances are	
			registered at start-up.	
ButtonNode	False	Node2D	The node acting as a selection button and	
			when it is pressed, content of the combo	
			box will be open/closed.	
ComboBoxId	True	UInt	A unique identifier of the combo box.	
ContentNode	False	Node2D	The node containing the actual content of	
			the combobox. This node should have	
			additional group node (For layouting	
			purpose), where contents like button, text,	
			bg shall be added.Don't use any layouters	
			on the content node as widget will	
			overrite with its custom layouter. Also	
			make sure ArabicLayouterPatchWidget	
			should be added in the scene for	
			layouting the content node correctly	

ContentSize	True	Vector2	The size to be set for the content node	
			[Total size of drondown panel]. For	
			example, adding 3 button inside the drop	
			down panel where each button size is	
			(W*H) 200*50 then total size to be set on	
			the property is 200*150	
ControllerId	True	Short	Identifies the controller attached to this	
Controlleria	Truc	Short	widget.	
			-1 no controller is attached;	
			0 default controller for the class is	
			attached (used for derived classes);	
			1n id of a controller registered at	
			=	
DisabledTouching	True	Bool	start-up; Widget can be touched also when it is	
Disabled fouching	True	BOOI	disabled.	
DoubleTap	True	Bool	Enable double tap gesture detection	
Drag	True	Bool	Enable drag gesture detection	
DragDirection DragDirection	False	Enum	Direction in which drag should be	
Bruggmeenon	Taise	Linain	detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the	
2 rug2 rop2 tourium on2 muore u	1140	2001	target of a drag and drop operation.	
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the	
BrugBropsourceEnaorea	Truc	Bool	source of a drag and drop operation.	
Enable	True	Bool	Enables this widget. Some widgets (for	
Endoic	Truc	Door	example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
FocusControllerSet	True	Short	The application can associate a list of	
rocuscontrollerset	True	Short	focus controllers (ControllerSet) to a	
			numerical id. Those controllers can be	
			used for a widget based on the same id.	
FocusOrder	True	Short	Focus order. Zero has the highest priority.	
FocusParentNode	False		Node of the parent focus group. If it is	
rocust arentivode	Taise	NoueZD	not specified a search will be performed	
			to find a focus group linked to the closest	
			ancestor node.	
Focusable	Truc	Bool		
	True True	UInt	Widget can gain the focus.	
GestureConfigId	True	Oint	Identifies the gesture configuration used	
			for this widget.	
			Gesture configurations are registered at	
			start-up and attached to widgets using	
			numerical ids (0 is used for the default	
			configuration defined in the widget).	
			For more information please read the	
			gesture configuration chapter in the	
			widget user guide.	

InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local	
			Enabled is used.	
Name	False	CharArr	a The name of the widget instance	
Node	False		The associated node of the widget.	
PinchSpread	True	Bool	Enable pinch and spread gesture detection	
PressHold	True	Bool	Enable hold gesture detection	
PressRepeat	True	Bool	Enable repeat gesture detection	
RawTouch	True	Bool	Enable raw touch coordinate routing	
			(mainly for hand writing recognition)	
Rotate	True	Bool	Enable rotate gesture detection	
Swipe	True	Bool	Enable swipe gesture detection	
SwipeDirection	False	Enum	Direction in which swipe should be	
			detected	
Tap	True	Bool	Enable press and tap gesture detection	
TouchPriority	True	UInt	Increase this priority to handle touch	
			message for this widget before widgets	
			with a lower priority	
Touchable	True	Bool	Widget is Touchable or not	
UserData	True	UInt	Together with the view and the widget	
			identifier, this user data is a parameter to	
			many messages posted by the widgets	
			which can be used in the state machine or	
			in the data model. Use data binding to	
			change this value dynamically and store	
			extra information in the widgets.	
ViewportNode	False	Node2D	The node is mapped to list node. In order	
T T			to properly position the content of the	
			combo box above or below the combox	
			box button its requited to know the	
			available space in the viewport hence the	
			list node should be mapped to viewport	
			node.	
Visible	True	Bool	Configures the node property	
			EnableRendering which is used to	
			determine if the node is rendered or not.	
			A node is effectively rendered if it and all	
			its ancestors have rendering enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	

Name	Subscriboescription	Members	Distribu ffest
			Scope
ComboBoxReqM	sgView	ComboBoxId:	sequential
		::Courier::UInt32.	
		Action:	
		enComboBox-	
		Action::Enum.	
		+	
ComboBoxUpdN	s M odel.	ComboBoxId:	sequential
	Con-	::Courier::UInt32	
	troller		
		IsContentOpen:	
		bool. +	

ControlTemplateWidget2D

Name: ControlTemplateWidget2D

Description: DEPRECATED! Don't use this widget! Use ListBindingWidget2D instead.

Category: Deprecated

Name	Bind	Type	Description	Test Scope
	able			
Enable	True	Bool	Enables this widget. Some widgets (for	
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
EnabledBindingIndex	False	Int	Binds the Enabled property of a widget to	
_			an integer value.	
InheritEnabled	True	Bool	If true then this widget is considered	
			effectively enabled only if both local	
			Enabled and the value inherited from the	
			ancestor EnableGroupWidget2D are true.	
			If this widget has no	
			EnableGroupWidget2D ancestor or	
			InheritEnabled is false then only the local	
			Enabled is used.	
ItemsBindingIndex	False	Int	Binds the property List.ListId to an	
			integer value. It can also be used to fill a	
			sublist with a vector data. See the list	
			widget user guide.	
Name	False	CharAı	raThe name of the widget instance	
NameBindingIndex	False	Int	Binds the Name property of a widget to a	
			text value.	
Node	False	Node2l	The associated node of the widget.	

SelectedBindingIndex	False	Int	Binds a widget property to an integer value. The following widget properties can be bound: Button.IsActive, ButtonGroup.ActiveIndex, Collapse.Collapsed, ColorSwitch.Index, ImageSwitch.Index, List.StartIndex, Switch.Index, TextColor.Active and Toggle.Enabled.
TextBindingIndex	False	Int	Binds the Text property of a widget to a text value. The following widgets support it: Text, Label, ScrollableText and TextArea.
UserDataBindingIndex	False	Int	Binds the UserData to an integer value.
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.

Name	Subscribescription	Members	Distribu ffost
			Scope

CoverflowListWidget2D

Name: CoverflowListWidget2D

Description: Particular implementation of the ListWidget2D, specialized for coverflow.

Category: List

Name	Bind able	Туре	Description	Test Scope
AcceptImmediatePositioning	True	Bool	If set to true, immediate positioning is	
			taken into consideration. Please check	
			the other properties to enable immediate	
			positioning for different events.	
AcceptImmediatePositioningOnFirstApper	anTeue	Bool	If set to true, the first ListChangeMsg	
			with ListChangeSet that is received after	
			rendering is enabled for the view and if	
			immediate positioning is activated, then	
			the position is set to the received value	
			without using an animation; further	
			position setting uses an animation. If set	
			to false, then the immediat positioning is	
			ignored and the animation is always used	
			to scroll to the given position.	
Accept Immediate Positioning On Item Scroll	True	Bool	If set to true, if a ListChangeMsg with	
			ListChangeDown or ListChangeUp is	
			received and immediate positioning is	
			activated, then the position is set to the	
			received value without using an	
			animation. If set to false, then the	
			immediate positioning is ignored and the	
			animation is always used to scroll to the	
			given position.	

Accept Immediate Positioning On Page Scroll	True	Bool	If set to true, if a ListChangeMsg with ListChangePageDown or ListChangePageUp is received and immediate positioning is activated, then the position is set to the received value without using an animation. If set to false, then the immediat positioning is ignored and the animation is always used to scroll to the given position.	
AcceptImmediatePositioningOnPositionSet	True	Bool	If set to true, if a ListChangeMsg with ListChangeSet is received and immediate positioning is activated, then the position is set to the received value without using an animation. If set to false, then the immediat positioning is ignored and the animation is always used to scroll to the given position.	
AnimationOffset	False	Short	Offset from first visible item to the position of the first animated item, give a negative value for the offset to the first invisible item of the list	
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies the id of the appearance responsible to change, based on widget state (enabled, pressed, active, focused), the images and the colors for the widget node and the descendant nodes. The appearances are registered at start-up.	Ignored: Under development
AutoViewportSize	False	Bool	If enabled, the size of the viewport will be calculated as NumberOfItems multiplied with the size of the InvalidItemTemplate. This is done for the direction of scrolling; the other direction will remain unmodified.	
BufferSize	True	UInt	Used for windowed data. The buffer size of the elements requested prior and after the visible ones.	
CachedLayout	False	Bool	Caches the layout of the list entries, if set to true the layout calculation is done only once for each list item and than cached.	
ConfigureFocusGroup	True	Bool	Focus group is configured explicitelly or uses default configuration.	Ignored: The TTFis simulation for the gesture action is not ready yet.
ControllerId	True	Short	Identifies the controller attached to this widget1 no controller is attached; 0 default controller for the class is attached (used for derived classes); 1n id of a controller registered at start-up;	Ignored: Id of a controller registered at start-up. It cant be changed during run time
Coverflow	True	Bool	True if the list is a coverflow.	

CustomAnimationsGroupNode	False	Node2D		
			placeholders for the real items in the list.	
			The animated properties will be aplied to	
			the nodes that will be added by the list to	
	F 1	A • • •	the ItemsNode.	
CustomListAnimations	False	Animati	orArray of animations for all visible list elements.	
DefaultFocusOrder	True	Short	Focus order of the element which should	Ignored: The
	1100		become focused when this group	TTFis
			becomes active.	simulation
				for the
				gesture
				action is not
				ready yet.
DisabledTouching	True	Bool	Widget can be touched also when it is disabled.	
DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The
				TTFis
				simulation
				for the
				gesture
				action is not
Drag	True	Bool	Enable drag gesture detection	ready yet.
DragAndSwipeOnNeed	True	Bool	If true then drag and swipe will be	
Drag mas wipe on reed	Truc	Booi	dynamically disabled when a new touch	
			session starts if all items are visible.	
DragDirection	False	Enum	Direction in which drag should be	
			detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the	Ignored: The
			target of a drag and drop operation.	TTFis
				simulation
				for the gesture
				action is not
				ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the	Ignored: The
			source of a drag and drop operation.	TTFis
				simulation
				for the
				gesture
				action is not
DynamiaCaid	Ealer	Do -1	Whathan on not the guid is not another.	ready yet.
DynamicGrid	False	Bool	Whether or not the grid is automatically adapting to the text size.	
DynamicGridEmptyCellsPolicy	False	Enum	The policy to distribute the empty spaces	
,			in the last row of the list	
Enable	True	Bool	Enables this widget. Some widgets (for	
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	

ExpandAutoScroll	True	Bool	Wether or not expand animations scroll the list so that the expanded item fully fits inside the viewport.	
FixedPageScrolling	True	Bool	Works only of all the data is available(no windowed data). Should be used only with small lists. If set to true, the pages always start at a fix position, similar to a book. If set to false, the pages are always considered relative to the current start index.	
FixedPageScrollingOffset	True	Float	Percentage of the viewport needed to be scrolled/swiped with the touch in order to go to the next/previous page.	
FocusAnchorId	True	UInt		Ignored: Not available in CGI config- uration, not mentioned in user guide
FocusAnchorMode	False	Enum		
FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusLayer	True	Short	Specifies to which focus layer this group belongs. There should be distinct layers for main surface screens, subspeller, popups to prevent focusing of elements in the main screen when a popup is displayed. Only elements in the groups with the highest layer will be focused.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False		Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	-
FocusWrapAround	True	Bool	Focus wraps around to first/last element.	Ignored: The TTFis simulation for the gesture action is not ready yet.

Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis
				simulation
				for the
				gesture
				action is not
				ready yet.
FocusedIndex	True	Int	The index of the currently focused item.	Ignored: The
			·	TTFis
				simulation
				for the
				gesture
				action is not
				ready yet.
FocusedNode	False	Node2D	The node that will highlight the focused	January January
			node.	
GestureConfigId	True	UInt	Identifies the gesture configuration used	
			for this widget.	
			Gesture configurations are registered at	
			start-up and attached to widgets using	
			numerical ids (0 is used for the default	
			configuration defined in the widget).	
			For more information please read the	
			gesture configuration chapter in the	
			widget user guide.	
IgnoreListChangeMsg	False	Enum	Defines when the ListChangeMsg will be	
			ignored douring the list scrolling or	
			swiping	
InheritEnabled	True	Bool	If true then this widget is considered	
			effectively enabled only if both local	
			Enabled and the value inherited from the	
			ancestor EnableGroupWidget2D are true.	
			If this widget has no	
			EnableGroupWidget2D ancestor or	
			InheritEnabled is false then only the local	
			Enabled is used.	
InvalidItemTemplate	False	Node2D	Template used for not yet available data	
-			or if no other template is found for some	
			data.	
ItemsNode	False	Node2D	The list items will be added as children of	
			this node.	
LimitExceededDownAnimation	False	Animati	orAnimation that is played when the user	
			wants to exceed the list on bottom. It is	
			only played if	
			LimitExceededDownAnimationType is	
			CustomAnimation or circular scrolling is	
			not enabled.	
LimitExceededDownAnimationTime	True	UInt	Defines the how much time (ms) the	
			exceeded down animation takes.	
LimitExceededDownAnimationType	True	Enum	Sets the kind of animation that will be	
			played if the lists limit is exceeded on	
1			bottom of the list.	

LimitExceededDownBounceAmplitude	True	Vector2	Amplitude vector used for generating the margin bounce animation.	Ignored: It is related to animation, cannot test by automation.
LimitExceededUpAnimation	False		orAnimation that is played when the user wants to exceed the list on top. It is only played if LimitExceededUpAnimationType is CustomAnimation or circular scrolling is not enabled.	
LimitExceededUpAnimationTime	True	UInt	Defines the how much time (ms) the exceeded up animation takes.	
LimitExceededUpAnimationType	True	Enum	Sets the kind of animation that will be played if the lists limit is exceeded on top of the list.	
LimitExceededUpBounceAmplitude	True	Vector2	Amplitude vector used for generating the margin bounce animation.	Ignored: It is related to animation, cannot test by automation.
LimitReachedDownAnimation	False	Animati	orAnimation that is played when the user reaches the list on top during swipe, scroll or set. It is only played if LimitReachedDownAnimationType is CustomAnimation or circular scrolling is not enabled.	
LimitReachedDownAnimationTime	True	UInt	Defines the how much time (ms) the reached down animation takes.	
LimitReachedDownAnimationType	True	Enum	Sets the kind of animation that will be played if the lists limit is reached during swipe, scroll or set on bottom of the list.	
LimitReachedDownBounceAmplitude	True	Vector2	Amplitude vector used for generating the margin bounce animation.	Ignored: It is related to animation, cannot test by automation.
LimitReachedUpAnimation	False	Animati	orAnimation that is played when the user reaches the list on top during swipe, scroll or set. It is only played if LimitReachedUpAnimationType is CustomAnimation or circular scrolling is not enabled.	
LimitReachedUpAnimationTime	True	UInt	Defines the how much time (ms) the reached up animation takes.	
LimitReachedUpAnimationType	True	Enum	Sets the kind of animation that will be played if the lists limit is reached during swipe, scroll or set on top of the list.	
LimitReachedUpBounceAmplitude	True	Vector2	Amplitude vector used for generating the margin bounce animation.	Ignored: It is related to animation, cannot test by automation.

ListAlignment	False	Enum	Only applicable for lists with less then	
6			the maximum number of visible items. If	
			set to 'End' the items will be aligned at	
			the end of the list.	
ListId	True	UInt	A unique identifier of the list that will be	
			used to request data to the model and	
			react to data sent from the model.	
LockOutFixMovementOffset	False	Float	Offset in percent of the viewport required	
	- 3323		for LockOutType LockOutFixMovement.	
Name	False	CharArı	ayThe name of the widget instance	
Node	False		The associated node of the widget.	
NumberOfItems	True	UInt	The number of items is only available for	
			itemwise	
			lists(PixelWiseScrollingEnabled set to	
			false). For stack layouted lists it has the	
			meaning of the number of elements that	
			would be visible. For grid layouted lists it	
			has the meaning of the number of	
			columns(for horizontal scrolling) or	
			rows(for vertical scrolling) that will be	
			seen. The number of rows(for horizontal	
			scrolling) or columns(for vertical	
			scrolling) will be taken from the	
			GridLayouter.	
PageIndicationAccuracy	False	Float	Accuracy of the current page position	
,			indication.	
PinchSpread	True	Bool	Enable pinch and spread gesture	Ignored: Not
			detection	tested
				because this
				property is
				inherited and
				not specific
				to this
				Widget.
PixelWiseAnimationTime	True	UInt	Time in ms to finish the pixel wise	
			animation	
PixelWiseScrollingEnabled	True	Bool	If set to true, scrolling is done pixel by	
			pixel, meaning that an item can be	
			partially visible. If set to false, scrolling	
			is done item by item; items ar always	
			completely visible.	
PostListChanged	False	Bool	If true, the list will post a	
			ListChangedUpdMsg message everytime	
			the first visible index changes.	
PreparedItemsBufferSize	False	Byte	Number of additional items being	
			prepared when the list is idle	
PreparedItemsUpdateTriggerOffset	False	Byte	Offset to the edge of the	
			PreparedItemsBuffer - the prepared item	
			buffer will be updated and old items	
			discarded as soon as this offset is reached	

PreserveFocus	True	Bool	Current focused element is preserved when group becomes inactive.	Ignored: The TTFis simulation for the gesture action is not ready yet.
PreserveScrollIndex	False	Bool	If enabled, and the list is cached, the widget will remember the last scrolled position and set the same on re-entering the List View, unless set to a different value by the model.	
PressHold	True	Bool	Enable hold gesture detection	
PressRepeat	True	Bool	Enable repeat gesture detection	
RawTouch	True	Bool	Enable raw touch coordinate routing (mainly for hand writing recognition)	Ignored: Not tested because this property is inherited and not specific to this Widget.
Rotate	True	Bool	Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
ScrollAnimationInput	False	Enum	Input of scroll animation - Either pixel position or index of list items	
ScrollbarAlwaysVisible	True	Bool	If set to true, scrollbar is always visible, regardless if it's needed or not. If set to false, it's only visible if needed.	
ScrollingOrientation	True	Enum	Scrolling orientation: vertical or horizontal	
ScrollingType	False	Enum	Sets the way this list scrolls: Default beginning to end, continous or last page not filled.	
ShortPixelWiseAnimationTime	True	UInt	Short time in ms to finish the pixel wise animation; used when setting the position with a ListChangeSet request type	
ShowItemsOnViewActivated	False	Bool	Whether items are visible or not on view shown, before receiving a ListCustomAnimationReqMsg.	
Snap	False	Enum	Specifies how the list should behave after scrolling. SnapToEdge - List will snap to the nearest edge, SnapToCenter - List will snap to the center	TC_W27_04
SnapHoldTime	False	UInt	Timeout in milliseconds, if reached no snapping will be done	
SnapOffsetThreshold	False	UInt	Threshold of offsetDelta = Abs(offsetTop - offsetBottom) in pixels - if the offset delta is smaller than the threshold the snap will be done to the edge closer to the touch position	

StartIndex	True	Int	The index of the first visible item.	
			Negative indices are accepted in case of	
			circular scrolling.	
Swipe	True	Bool	Enable swipe gesture detection	
SwipeDirection	False	Enum	Direction in which swipe should be	
1			detected	
SwipingAcceleration	True	Float	Acceleration used to slow down swiping	
SwipingDistanceThreshold	True	UInt	Deprecated. Please do not use this, as it	Ignored:
			will be removed in a future version.	Deprecated
			Minimum distance in display units	
			needed to drag in order to begin scrolling	
SwipingMaxDistance	True	Float	Maximum distance that can be covered	
			within one swipe	
SwipingTimerThreshold	True	UInt	Minimum time in ms needed to press in	
			order to focus an item	
SwipingVelocityThreshold	True	Float	Deprecated. Please do not use this, as it	Ignored:
			will be removed in a future version.	Deprecated
			Minimum velocity in display units/ms	_
			needed to move with in order to begin	
			swiping	
Tap	True	Bool	Enable press and tap gesture detection	
TemplateGroup	False	Node2D	The parent of template nodes. Template	
			nodes will be cloned based on the item	
			needed to be displayed and the clone will	
			be added to the ItemsNode.	
TemplateScrollAnimations	False	Animati	orArray of template animations for list	
			scrolling.	
TouchPriority	True	UInt	Increase this priority to handle touch	Ignored: Not
			message for this widget before widgets	tested
			with a lower priority	because this
				property is
				inherited and
				not specific
				to this
				Widget.
Touchable	True	Bool	Widget is Touchable or not	
UpdateTriggerOffset	True	UInt	Used for windowed data. The offset	
			relative to the first or last visible item	
			index, respectively used to request new	
			data when reached.	
UsableViewportPadding	False	Margin	Viewport offset for visible items in the	
			list - useful in case the list is overlapped	
			by some other content.	
UserData	True	UInt	Together with the view and the widget	Ignored: The
			identifier, this user data is a parameter to	infrastruc-
			many messages posted by the widgets	ture is in the
			which can be used in the state machine or	base widget,
			in the data model. Use data binding to	No extra
			in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	No extra information to store here.

Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.

Name	Subscribes cription	Members	Distribu ffest
			Scope

DelegateWidget2D

Name: DelegateWidget2D

Description: Delegates updates and messages to a widget controller. The widget controllers are registered at start-up and at-

tached to widgets using the property ControllerId.

Category: Common

Name	Bind	Type	Description	Test Scope
	able			
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies	Ignored:
			the id of the appearance responsible to	Under
			change, based on widget state (enabled,	development
			pressed, active, focused), the images and	
			the colors for the widget node and the	
			descendant nodes. The appearances are	
			registered at start-up.	
ControllerId	True	Short	Identifies the controller attached to this	Ignored: Id
			widget.	of a
			-1 no controller is attached;	controller
			0 default controller for the class is	registered at
			attached (used for derived classes);	start-up. It
			1n id of a controller registered at	cant be
			start-up;	changed
				during run
				time
DisabledTouching	True	Bool	Widget can be touched also when it is	
			disabled.	
DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The
				TTFis
				simulation
				for the
				gesture
				action is not
				ready yet.

Drag	True	Bool	Enable drag gesture detection	
DragDirection	False	Enum	Direction in which drag should be detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	
FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	
Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not ready yet.

GestureConfigId	True	UInt	Identifies the gesture configuration used for this widget. Gesture configurations are registered at start-up and attached to widgets using numerical ids (0 is used for the default configuration defined in the widget). For more information please read the gesture configuration chapter in the widget user guide.	
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	
Name	False		ra)The name of the widget instance	
Node PinchSpread	False True	Bool	The associated node of the widget. Enable pinch and spread gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
PressHold	True	Bool	Enable hold gesture detection	
PressRepeat	True	Bool	Enable repeat gesture detection	
RawTouch	True	Bool	Enable raw touch coordinate routing (mainly for hand writing recognition)	Ignored: Not tested because this property is inherited and not specific to this Widget.
Rotate	True	Bool	Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
Swipe	True	Bool	Enable swipe gesture detection	
SwipeDirection	False	Enum	Direction in which swipe should be detected	
Tap TouchPriority	True True	Bool UInt	Enable press and tap gesture detection Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.

Touchable	True	Bool	Widget is Touchable or not	
UserData	True	UInt	Together with the view and the widget	Ignored: The
			identifier, this user data is a parameter to	infrastruc-
			many messages posted by the widgets	ture is in the
			which can be used in the state machine or	base widget,
			in the data model. Use data binding to	No extra
			change this value dynamically and store	information
			extra information in the widgets.	to store here.
Visible	True	Bool	Configures the node property	
			EnableRendering which is used to	
			determine if the node is rendered or not.	
			A node is effectively rendered if it and all	
			its ancestors have rendering enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	

Name	Subscrib Des cription	Members	Distribu ffost
			Scope

DirectTextureConsumer2D

Name: DirectTextureConsumer2D

Description: DirectTextureConsumer2D

Category: DirectTexture

Name	Bind	Type	Description	Test Scope
	able			
AlignSlaveSurfacePosition	True	Bool	set to true if position of slave surface	
			should be aligned to widget position	
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies	Ignored:
			the id of the appearance responsible to	Under
			change, based on widget state (enabled,	development
			pressed, active, focused), the images and	
			the colors for the widget node and the	
			descendant nodes. The appearances are	
			registered at start-up.	
Camera	False	Camera	212 The camera on which the slave surface	
			should be synced	
ControllerId	True	Short	Identifies the controller attached to this	Ignored: Id
			widget.	of a
			-1 no controller is attached;	controller
			0 default controller for the class is	registered at
			attached (used for derived classes);	start-up. It
			1n id of a controller registered at	cant be
			start-up;	changed
				during run
				time
DisabledTouching	True	Bool	Widget can be touched also when it is	
			disabled.	

DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The TTFis simulation for the gesture action is not ready yet.
Drag	True	Bool	Enable drag gesture detection	ready yet.
DragDirection	False	Enum	Direction in which drag should be	
D D C C E 11 1	- TD	D 1	detected	T 1 701
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	
FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	3,5-4
Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not ready yet.

GestureConfigId	True	UInt	Identifies the gesture configuration used for this widget. Gesture configurations are registered at start-up and attached to widgets using numerical ids (0 is used for the default configuration defined in the widget). For more information please read the gesture configuration chapter in the widget user guide.	
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	
InstanceId	True	UInt	same unique identifier as the one used for the related provider instance	
Name	False	CharArr	ayThe name of the widget instance	
Node	False	Node2D	The associated node of the widget.	
NodeSizeBasedReposition	True	Bool	set to true if slave surface to be repostioned if Node size is equal to surface size	
PinchSpread	True	Bool	Enable pinch and spread gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
PressHold	True	Bool	Enable hold gesture detection	
PressRepeat	True	Bool	Enable repeat gesture detection	
RawTouch	True	Bool	Enable raw touch coordinate routing (mainly for hand writing recognition)	Ignored: Not tested because this property is inherited and not specific to this Widget.
RawTouchSupport	True	Bool	enable when all kind of touch events are required. This will overrule the settings done in category Gestures!!! Handle with care as this will produce some bus load during move	
ReplacementNode	False	Node2D		

Rotate	True	Bool	Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
SlaveSurfaceId	True	UInt	reposition the surface with this id on every position change of the connected node	
Swipe	True	Bool	Enable swipe gesture detection	
SwipeDirection	False	Enum	Direction in which swipe should be detected	
Tap	True	Bool	Enable press and tap gesture detection	
TouchPriority	True	UInt	Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.
Touchable	True	Bool	Widget is Touchable or not	
UserData	True	UInt	Together with the view and the widget identifier, this user data is a parameter to many messages posted by the widgets which can be used in the state machine or in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	Ignored: The infrastructure is in the base widget, No extra information to store here.
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscritt@escription	Members	Distribu lfost
			Scope

DirectTextureConsumer3D

Name: DirectTextureConsumer3D Description: Direct Texture Consumer

Category: Examples

31.1 Property list

Name	Bind	Type	Description	Test Scope
	able			
Camera	False	Node3D	Camera used for intersection test.	
Enabled	False	Bool	Enabled: Enable or disable the widget	
Name	False	CharArrayThe name of the widget instance		
Node	False	Node3D	The associated node of the widget.	

Name	Subscribescription	Members	Distribu liost
			Scope

DirectTextureProvider2D

Name: DirectTextureProvider2D

Description: DirectTextureProvider2D

Category: DirectTexture

Name	Bind able	Туре	Description	Test Scope
Camera	False	Camera	217 The camera which contains the screen	
			content	
Camera2	False	Camera	2DAnother camera used for triple buffering	
			only	
Camera3	False	Camera	2DAnother camera used for triple buffering	
			only	
Enable	True	Bool	Enables this widget. Some widgets (for	
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
FrameBuffer	False	Render	and the off screen render target where to	
			render the content to	
FrameBuffer2	False	Render	argeother off screen render target used for	
			triple buffering only	
FrameBuffer3	False Render Targeother off screen ren		argeother off screen render target used for	
			triple buffering only	

InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.
InstanceId	True	UInt	System wide unique id to identify the offscreen content
Name	False	Chon A m	
Node	False	Node2D	a)The name of the widget instance The associated node of the widget.
ReleaseBufferOnHide		Bool	set to true if buffer to be released when
ReleasebullerOllfilde	True	D001	view is hidden
Visible	True	Bool	7 - 2 · 7 - 2 · 7 - 2 · 7 · 7 · 7 · 7 · 7 · 7 · 7 · 7 · 7 ·
Visible	True	DOOL	Configures the node property
			EnableRendering which is used to determine if the node is rendered or not.
			A node is effectively rendered if it and all
			its ancestors have rendering enabled.
			Please notice that if the same property of
			a node is set from multiple sources then
X7: '11 T2 11 1	F 1	D 1	the result is unpredictable.
VisibleEnabled	False	Bool	Enables the configuration of the node
			property EnableRendering which is used
			to determine if the node is rendered or
			not. A node is effectively rendered if it
			and all its ancestors have rendering
			enabled.
			Please notice that if the same property of
			a node is set from multiple sources then
			the result is unpredictable.

Name	Subscr	ih Des cription	Members	Distrib	น โโอร t
					Scope

DirectTextureProvider3D

Name: DirectTextureProvider3D

Description: Direct Texture Widget

Category: Examples

33.1 Property list

Name	Bind	Type	Description	Test Scope
	able			
Camera	False	Node3D	Camera used for intersection test.	
Enabled	False	Bool	Enabled: Enable or disable the widget	
FrameBuffer	False	Render Targetme buffer object		
Name	False	CharArı	a)The name of the widget instance	
Node	False	Node3D	The associated node of the widget.	

Name	Subscri lides cription	Members	Distribu ffost
			Scope

DockSideWidget2D

Name: DockSideWidget2D

Description: DEPRECATED! Don't use this widget!

Category: Deprecated

Name	Bind able	Type	Description	Test Scope
DockSide	True	Enum	The value to set for the DockSide	
			property of the ancestor node.	
Enable	True	Bool	Enables this widget. Some widgets (for	
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
InheritEnabled	True	Bool	If true then this widget is considered	
			effectively enabled only if both local	
			Enabled and the value inherited from the	
			ancestor EnableGroupWidget2D are true.	
			If this widget has no	
			EnableGroupWidget2D ancestor or	
			InheritEnabled is false then only the local	
			Enabled is used.	
Name	False	CharArrajThe name of the widget instance		
NestedLevel	True	UInt	The ancestor's level, relative to the	
			associated node, that will have the	
			DockSide property modified.	
Node	False	Node2I	The associated node of the widget.	

Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.

Name	Subscribes cription	Members	Distribu ffest
			Scope

DropDownListWidget2D

Name: DropDownListWidget2D

Description: Provides support to implement comboboxes (which are composed by a button and a dropdown list).

Category: List

Name	Bind	Type	Description	Test Scope
	able			
AcceptImmediatePositioning	True	Bool	If set to true, immediate positioning is	
			taken into consideration. Please check	
			the other properties to enable immediate	
			positioning for different events.	
AcceptImmediatePositioningOnFirstApper	an Er ue	Bool	If set to true, the first ListChangeMsg	
			with ListChangeSet that is received after	
			rendering is enabled for the view and if	
			immediate positioning is activated, then	
			the position is set to the received value	
			without using an animation; further	
			position setting uses an animation. If set	
			to false, then the immediat positioning is	
			ignored and the animation is always used	
			to scroll to the given position.	
AcceptImmediatePositioningOnItemScroll	True	Bool	If set to true, if a ListChangeMsg with	
			ListChangeDown or ListChangeUp is	
			received and immediate positioning is	
			activated, then the position is set to the	
			received value without using an	
			animation. If set to false, then the	
			immediate positioning is ignored and the	
			animation is always used to scroll to the	
			given position.	

AcceptImmediatePositioningOnPageScroll		Bool	If set to true, if a ListChangeMsg with ListChangePageDown or ListChangePageUp is received and immediate positioning is activated, then the position is set to the received value without using an animation. If set to false, then the immediat positioning is ignored and the animation is always used to scroll to the given position.	
AcceptImmediatePositioningOnPositionSet		Bool	If set to true, if a ListChangeMsg with ListChangeSet is received and immediate positioning is activated, then the position is set to the received value without using an animation. If set to false, then the immediat positioning is ignored and the animation is always used to scroll to the given position.	
AnimationOffset	False	Short	Offset from first visible item to the position of the first animated item, give a negative value for the offset to the first invisible item of the list	
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies the id of the appearance responsible to change, based on widget state (enabled, pressed, active, focused), the images and the colors for the widget node and the descendant nodes. The appearances are registered at start-up.	Ignored: Under development
AutoViewportSize	False	Bool	If enabled, the size of the viewport will be calculated as NumberOfItems multiplied with the size of the InvalidItemTemplate. This is done for the direction of scrolling; the other direction will remain unmodified.	
BufferSize	True	UInt	Used for windowed data. The buffer size of the elements requested prior and after the visible ones.	
ButtonNode	False	Node2D	The node acting as a button and when pressed will open the drop down list.	
CachedLayout	False	Bool	Caches the layout of the list entries, if set to true the layout calculation is done only once for each list item and than cached.	
ConfigureFocusGroup	True	Bool	Focus group is configured explicitelly or uses default configuration.	Ignored: The TTFis simulation for the gesture action is not ready yet.
ContentNode	False	Node2D	The node containing the selected item.	

ControllerId	True	Short	Identifies the controller attached to this widget1 no controller is attached; 0 default controller for the class is attached (used for derived classes); 1n id of a controller registered at start-up;	Ignored: Id of a controller registered at start-up. It cant be changed during run time
Coverflow	True	Bool	True if the list is a coverflow.	time
CustomAnimationsGroupNode	False	Node2D		
CustomListAnimations	False	Animati	orArray of animations for all visible list elements.	
DefaultFocusOrder	True	Short	Focus order of the element which should become focused when this group becomes active.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DisabledTouching	True	Bool	Widget can be touched also when it is disabled.	
DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The TTFis simulation for the gesture action is not ready yet.
Drag	True	Bool	Enable drag gesture detection	
DragAndSwipeOnNeed	True	Bool	If true then drag and swipe will be dynamically disabled when a new touch session starts if all items are visible.	
DragDirection	False	Enum	Direction in which drag should be detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DynamicGrid	False	Bool	Whether or not the grid is automatically adapting to the text size.	
DynamicGridEmptyCellsPolicy	False	Enum	The policy to distribute the empty spaces in the last row of the list	

Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	
ExpandAutoScroll	True	Bool	Wether or not expand animations scroll the list so that the expanded item fully fits inside the viewport.	
FixedPageScrolling	True	Bool	Works only of all the data is available(no windowed data). Should be used only with small lists. If set to true, the pages always start at a fix position, similar to a book. If set to false, the pages are always considered relative to the current start index.	
FixedPageScrollingOffset	True	Float	Percentage of the viewport needed to be scrolled/swiped with the touch in order to go to the next/previous page.	
FocusAnchorId	True	UInt		Ignored: Not available in CGI config- uration, not mentioned in user guide
FocusAnchorMode	False	Enum		2
FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusLayer	True	Short	Specifies to which focus layer this group belongs. There should be distinct layers for main surface screens, subspeller, popups to prevent focusing of elements in the main screen when a popup is displayed. Only elements in the groups with the highest layer will be focused.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	

FocusWrapAround	True	Bool	Focus wraps around to first/last element.	Ignored: The TTFis simulation for the gesture action is not ready yet.
Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusedIndex	True	Int	The index of the currently focused item.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusedNode	False	Node2D	The node that will highlight the focused node.	
GestureConfigId	True	UInt	Identifies the gesture configuration used for this widget. Gesture configurations are registered at start-up and attached to widgets using numerical ids (0 is used for the default configuration defined in the widget). For more information please read the gesture configuration chapter in the widget user guide.	
IgnoreListChangeMsg	False	Enum	Defines when the ListChangeMsg will be ignored douring the list scrolling or swiping	
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	
InvalidItemTemplate	False	Node2D	Template used for not yet available data or if no other template is found for some data.	
ItemsNode	False	Node2D	The list items will be added as children of this node.	
LimitExceededDownAnimation	False		orAnimation that is played when the user wants to exceed the list on bottom. It is only played if LimitExceededDownAnimationType is CustomAnimation or circular scrolling is not enabled.	
LimitExceededDownAnimationTime	True	UInt	Defines the how much time (ms) the exceeded down animation takes.	

LimitExceededDownAnimationType	True	Enum	Sets the kind of animation that will be played if the lists limit is exceeded on bottom of the list.	
LimitExceededDownBounceAmplitude	True	Vector2	Amplitude vector used for generating the margin bounce animation.	Ignored: It is related to animation, cannot test by automation.
LimitExceededUpAnimation	False		orAnimation that is played when the user wants to exceed the list on top. It is only played if LimitExceededUpAnimationType is CustomAnimation or circular scrolling is not enabled.	
LimitExceededUpAnimationTime	True	UInt	Defines the how much time (ms) the exceeded up animation takes.	
LimitExceededUpAnimationType	True	Enum	Sets the kind of animation that will be played if the lists limit is exceeded on top of the list.	
LimitExceededUpBounceAmplitude	True	Vector2	Amplitude vector used for generating the margin bounce animation.	Ignored: It is related to animation, cannot test by automation.
LimitReachedDownAnimation	False	Animati	orAnimation that is played when the user reaches the list on top during swipe, scroll or set. It is only played if LimitReachedDownAnimationType is CustomAnimation or circular scrolling is not enabled.	
LimitReachedDownAnimationTime	True	UInt	Defines the how much time (ms) the reached down animation takes.	
LimitReachedDownAnimationType	True	Enum	Sets the kind of animation that will be played if the lists limit is reached during swipe, scroll or set on bottom of the list.	
LimitReachedDownBounceAmplitude	True	Vector2	Amplitude vector used for generating the margin bounce animation.	Ignored: It is related to animation, cannot test by automation.
LimitReachedUpAnimation	False	Animati	orAnimation that is played when the user reaches the list on top during swipe, scroll or set. It is only played if LimitReachedUpAnimationType is CustomAnimation or circular scrolling is not enabled.	
LimitReachedUpAnimationTime	True	UInt	Defines the how much time (ms) the reached up animation takes.	
LimitReachedUpAnimationType	True	Enum	Sets the kind of animation that will be played if the lists limit is reached during swipe, scroll or set on top of the list.	

LimitReachedUpBounceAmplitude	True	Vector2	Amplitude vector used for generating the margin bounce animation.	Ignored: It is related to animation, cannot test by automation.
ListAlignment	False	Enum	Only applicable for lists with less then the maximum number of visible items. If set to 'End' the items will be aligned at	
ListId	True	UInt	the end of the list. A unique identifier of the list that will be used to request data to the model and react to data sent from the model.	
ListNode	False	Node2D	The node containing the dropdown list.	
ListPosition	False	Vector2	Value to be set for ListNode if UserListPosition is true.	
ListSize	False	Vector2	The size to be set for the ListNode.	
LockOutFixMovementOffset	False	Float	Offset in percent of the viewport required for LockOutType LockOutFixMovement.	
Name	False		a)The name of the widget instance	
Node	False		The associated node of the widget.	
PageIndicationAccuracy PinchSpread	False True	Float Bool	The number of items is only available for itemwise lists(PixelWiseScrollingEnabled set to false). For stack layouted lists it has the meaning of the number of elements that would be visible. For grid layouted lists it has the meaning of the number of columns(for horizontal scrolling) or rows(for vertical scrolling) that will be seen. The number of rows(for horizontal scrolling) or columns(for vertical scrolling) will be taken from the GridLayouter. Accuracy of the current page position indication. Enable pinch and spread gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
PixelWiseAnimationTime	True	UInt	Time in ms to finish the pixel wise animation	
PixelWiseScrollingEnabled	True	Bool	If set to true, scrolling is done pixel by pixel, meaning that an item can be partially visible. If set to false, scrolling is done item by item; items ar always completely visible.	
PostListChanged	False	Bool	If true, the list will post a ListChangedUpdMsg message everytime the first visible index changes.	
PreparedItemsBufferSize	False	Byte	Number of additional items being prepared when the list is idle	

Prepared Items Update Trigger Offset	False	Byte	Offset to the edge of the PreparedItemsBuffer - the prepared item buffer will be updated and old items discarded as soon as this offset is reached	
PreserveFocus	True	Bool	Current focused element is preserved when group becomes inactive.	Ignored: The TTFis simulation for the gesture action is not ready yet.
PreserveScrollIndex	False	Bool	If enabled, and the list is cached, the widget will remember the last scrolled position and set the same on re-entering the List View, unless set to a different value by the model.	
PressHold	True	Bool	Enable hold gesture detection	
PressRepeat	True	Bool	Enable repeat gesture detection	
RawTouch	True	Bool	Enable raw touch coordinate routing (mainly for hand writing recognition)	Ignored: Not tested because this property is inherited and not specific to this Widget.
Rotate	True	Bool	Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
ScrollAnimationInput	False	Enum	Input of scroll animation - Either pixel position or index of list items	
ScrollbarAlwaysVisible	True	Bool	If set to true, scrollbar is always visible, regardless if it's needed or not. If set to false, it's only visible if needed.	
ScrollingOrientation	True	Enum	Scrolling orientation: vertical or horizontal	
ScrollingType	False	Enum	Sets the way this list scrolls: Default beginning to end, continous or last page not filled.	
ShortPixelWiseAnimationTime	True	UInt	Short time in ms to finish the pixel wise animation; used when setting the position with a ListChangeSet request type	
ShowItemsOnViewActivated	False	Bool	Whether items are visible or not on view shown, before receiving a ListCustomAnimationReqMsg.	
Snap	False	Enum	Specifies how the list should behave after scrolling. SnapToEdge - List will snap to the nearest edge, SnapToCenter - List will snap to the center	
SnapHoldTime	False	UInt	Timeout in milliseconds, if reached no snapping will be done	

SnapOffsetThreshold	False	UInt	Threshold of offsetDelta = Abs(offsetTop - offsetBottom) in pixels - if the offset delta is smaller than the threshold the snap will be done to the edge closer to the touch position	
StartIndex	True	Int	The index of the first visible item. Negative indices are accepted in case of circular scrolling.	
Swipe	True	Bool	Enable swipe gesture detection	
SwipeDirection	False	Enum	Direction in which swipe should be detected	
SwipingAcceleration	True	Float	Acceleration used to slow down swiping	
SwipingDistanceThreshold	True	UInt	Deprecated. Please do not use this, as it will be removed in a future version. Minimum distance in display units needed to drag in order to begin scrolling	Ignored: Deprecated
SwipingMaxDistance	True	Float	Maximum distance that can be covered within one swipe	
SwipingTimerThreshold	True	UInt	Minimum time in ms needed to press in order to focus an item	
Swiping Velocity Threshold	True	Float	Deprecated. Please do not use this, as it will be removed in a future version. Minimum velocity in display units/ms needed to move with in order to begin swiping	Ignored: Deprecated
Tap	True	Bool	Enable press and tap gesture detection	
TemplateGroup	False	Node2D	The parent of template nodes. Template nodes will be cloned based on the item needed to be displayed and the clone will be added to the ItemsNode.	
TemplateScrollAnimations	False	Animati	or Array of template animations for list scrolling.	
TouchPriority	True	UInt	Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.
Touchable	True	Bool	Widget is Touchable or not	
UpdateTriggerOffset	True	UInt	Used for windowed data. The offset relative to the first or last visible item index, respectively used to request new data when reached.	
UsableViewportPadding	False	Margin	Viewport offset for visible items in the list - useful in case the list is overlapped by some other content.	
UseListPosition	False	Bool	If set to true, sets the position given by ListPosition property for the ListNode. If set to false, it uses the position set by the layouter.	

UserData	True	UInt	Together with the view and the widget identifier, this user data is a parameter to many messages posted by the widgets which can be used in the state machine or in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	Ignored: The infrastructure is in the base widget, No extra information to store here.
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subsci	il les cription	Members	Distribu ilest	
				Scope	
DropdownChang	e Wig w		DropdownChange	Туре:	
			::Can-		
			dera::DropdownC	hangeType.	
			ListId:		
			::Courier::UInt32		
			+		
DropdownCurrer	nt Wallock El	nangedMsg	CurrentValue:		
	Con-		::Courier::UInt32		
	troller		+		
DropdownStateC	hangnth	Ikgr,	ListId:		
	Model		::Courier::UInt32		
			Open: bool. +		

EditFieldWidget2D

Name: EditFieldWidget2D

Description: Widget used to display text input given by user dynamically

Category: Input

Name	Bind able	Type	Description	Test Scope
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies	Ignored:
			the id of the appearance responsible to	Under
			change, based on widget state (enabled,	development
			pressed, active, focused), the images and	
			the colors for the widget node and the	
			descendant nodes. The appearances are	
			registered at start-up.	
AutoCompletion	False	Bool	Property to enable AutoCompletion	
			feature	
AutoCompletionText	True	custom:	/Strindable property for AutoCompletion	TC_W16_16
			text to be used when AutoCompletion is	
			enabled	
AutoCompletionTextFont	False	Font	Font for AutoCompletionText	
AutoCompletionTextNode	False	Node2D	r · · · · · · · · · · · · · · · · · · ·	
BackgroundHeight	False	UInt	Height of EditField Background	
BackgroundNode	False	Node2D	2 2	
BackgroundWidth	False	UInt	Width of EditField Background	
BlinkInterval	False	UInt	Specify the interval in msec for blinking	
			of cursor	

ControllerId	True	Short	Identifies the controller attached to this widget1 no controller is attached; 0 default controller for the class is attached (used for derived classes); 1n id of a controller registered at start-up;	Ignored: Id of a controller registered at start-up. It cant be changed during run time
CultureDependentAlignment	False	Bool	Default = True. The text and cursor changes according to text direction. Setting to FALSE makes edit field works like Latin [Left to Right]. Applicable to entry text and match mode text and has no impact for Highlight text, Auto complete texts.	
CursorAnimationPath	False	custom:	//Sopingify the Candera path of the cursor animation to be used for blinking of cursor	
CursorBgBitmap	True	Image2I	O Cursor Bitmap; Bitmap to be set on the BitmapBrushEffect inside the RenderNode	TC_W16_14
CursorNode	False	Node2D	Cursor image node	
DefaultDisabledTextColor	False	Color	DEPRECATED! Don't use this property. Even if the value is set, there is no effect on EditFieldWidget.	
DefaultEnabledTextColor	False	Color	DEPRECATED! Don't use this property. Even if the value is set, there is no effect on EditFieldWidget.	
DisabledAutoCompletionTextColor	True	Color	Color for AutoCompletionText in disabled state	TC_W16_16
DisabledBgBitmap	True		Disabled Background; Bitmap to be set on the BitmapBrushEffect inside the RenderNode	TC_W16_14
DisabledEntryTextColor	True	Color	Color for EntryText in disabled state	TC_W16_11
DisabledInstructionTextColor	True	Color	Color for InstructionText in Disabled state	TC_W16_05
DisabledMatchTextColor	True	Color	Color for MatchText in disabled state	TC_W16_15
DisabledTouching	True	Bool	Widget can be touched also when it is disabled.	Ignored: EditField- Widget2D does not support to test this property.
DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: EditField- Widget2D does not support to test this property.

Drag	True	Bool	Enable drag gesture detection	Ignored: EditField- Widget2D does not support to test this property.
DragDirection	False	Enum	Direction in which drag should be detected	Freezy
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
EditFieldInfo	True	custom:	//Strindgable property to send the EditField Text to other components	TC_W16_12
EditFieldTextDirection	False	Enum	Utilized for text flow direction.Legacy: old behavior, Implicit: depends on character, LeftToRight: As LTR, RightToLeft: As RTL, Culture: As culture direction, Node: As Layout Direction	
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	TC_W16_08
EnabledAutoCompletionTextColor	True	Color	Color for AutoCompletionText in enabled state	TC_W16_16
EnabledEntryTextColor	True	Color	Color for EntryText in enabled state	TC_W16_10
EnabledInstructionTextColor	True	Color	Color for InstructionText in enabled state	TC_W16_06
EnabledMatchTextColor	True	Color	Color for MatchText in enabled state	TC_W16_15
EndTextNode	False	Node2D		
EntryTextFont	False	Font	Font for EntryText	
EntryTextNode	False		EntryText node	
EntryTextReceived	True		//Strindgable property to receive Entry Text string if Configured in Match Mode	TC_W16_12
FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.

FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	
Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not ready yet.
GestureConfigId	True	UInt	Identifies the gesture configuration used for this widget. Gesture configurations are registered at start-up and attached to widgets using numerical ids (0 is used for the default configuration defined in the widget). For more information please read the gesture configuration chapter in the widget user guide.	Ignored: EditField- Widget2D does not support to test gesture simulations.
GlyphSpacing	False	UShort	Property to add space between the characters in pixels	
HighlightCount	True	UInt	Bindable property to receive Highlight Count if Configured in free Mode	TC_W16_02
HighlightDisabledTextColor	True	Color	Default Color for Highlight Text in Disabled state	TC_W16_11
HighlightEnabledTextColor	True	Color	Default Color for Highlight Text in Enabled state	TC_W16_10
HighlightStartIndex	True	UInt	Bindable property to receive Highlight Start Index if Configured in free Mode	TC_W16_03
HighlightTextNode	False	Node2D	HighlightText node	
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: This property is dependent on Enable- GroupWid- get2D, so it will be tested in En- ableGroup- Widget2D section.
InstructionText	True	custom:/	//Skindable property to set the instruction text that will be displayed.	TC_W16_13
InstructionTextFont	False	Font	Font for InstructionText	
KeyReceived	True		//Strindgable property to receive key press inputs for the EditField text	TC_W16_12
LineSpacing	False	UInt	LineSpacing in MultiLine Text for the Editfield	

MaskChar	False	custom:	//Stang char if masking is required, else	
			leave it blank	
MatchTextFont	False	Font	Font for MatchText	
MatchTextNode	False	Node2D	MatchText node	
MaxTextLength	False	UInt	Maximum acceptable length of EditField	
			text	
MaximumNumberOfLines	False	UInt	MaximumNumberOfLines for the	
			Editfield to take input in multiple lines	
			upto value set in	
			MaximumNumberOfLines	
MultiLineLayouting	False	Bool	MultiLine Layouting for the Editfield to	
			take input in multiple lines.	
Name	False	CharArr	ayThe name of the widget instance	
NewCursorPosition	True	UInt	Bindable property to receive	TC_W16_01
110W Curson Osition	Truc	Cint	NewCursorPosition if Configured in free	1C_W10_01
			Mode	
Node	False	Nodann	The associated node of the widget.	
NormalBgBitmap	False		D Enabled Background; Bitmap to be set on	
Normandgomnap	raise	magezi	the BitmapBrushEffect inside the	
Dia al-Cana d	TD.:	D : .1	RenderNode	Tana a 1. NY
PinchSpread	True	Bool	Enable pinch and spread gesture	Ignored: Not
			detection	tested
				because this
				property is
				inherited and
				not specific
				to this
				Widget.
PressHold	True	Bool	Enable hold gesture detection	Ignored:
				EditField-
				Widget2D
				does not
				support to
				test this
				property.
PressRepeat	True	Bool	Enable repeat gesture detection	Ignored:
				EditField-
				Widget2D
				does not
				support to
				test this
				property.
RawTouch	True	Bool	Enable raw touch coordinate routing	Ignored: Not
			(mainly for hand writing recognition)	tested
				because this
				property is
				inherited and
				not specific
				to this
				Widget.
RestrictShiftOperations	False	Bool	Restricts the movement of cursor in	wiuget.
Resulcioninoperations	raise	DOOL		
			highlight area only in EditField text	

Rotate	True	Bool	Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
SelectedBgBitmap	True	Image2	D Selected Background; Bitmap to be set on the BitmapBrushEffect inside the RenderNode	TC_W16_14
SuggestionText	True	custom	://Shindable property for suggestion text to be used if Configured in Match Mode	TC_W16_15
Swipe	True	Bool	Enable swipe gesture detection	Ignored: EditField- Widget2D does not support to test this property.
SwipeDirection	False	Enum	Direction in which swipe should be detected	property.
Тар	True	Bool	Enable press and tap gesture detection	Ignored: EditField- Widget2D does not support to test this property.
TextAreaMarginX	False	UInt	X-Offset from Background Image for TextArea	r · r · · · · · · ·
TextAreaMarginY	False	UInt	Y-Offset from Background Image for TextArea	
TextStyle	False	TextSty	The TextStyle used for texts like EntryText, matchText etc.Individual fonts wiil be used if TextStyle is empty.	
TouchPriority	True	UInt	Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.
Touchable	True	Bool	Widget is Touchable or not	TC_W16_07
TruncationText	True		://Shimogable property to set the truncation text that will be displayed.	TC_W16_04
UserData	True	UInt	Together with the view and the widget identifier, this user data is a parameter to many messages posted by the widgets which can be used in the state machine or in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	Ignored: The infrastructure is in the base widget, No extra information to store here.

Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W16_09
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	
WidgetTextMode	False	Enum	Operation Mode for the EditFieldWidget	

Name	Subscritton	Members	Distribu ilost Scope
EditFieldAut	toCom Metden UpdMisgr Message from EditFiled to notify the		TC_W16_1
	subscribers about the various properties/values		
	change		
	- This message is applicable for FreeMode		
	- ViewId: corresponds to the view from where the		
	message is fired		
	- Sender: corresponds to the widget instance which		
	fires the message		
EditFieldHig	htlight Recounts Herourier Message from Model to Widget to provide	Action: enEdit-	TC_W16_1
C	View Highlight Related Operation on Highlight Text	FieldTextAc-	
	- This message is applicable for FreeMode	tion::Enum.	
	- ViewId: corresponds to the view from where the		
	message is fired	Text: Can-	
	- Sender: corresponds to the widget instance which	dera::String.	
	fires the message		
	- Action: corresponds to the Action(Delete, Replac	e, Index:	
	Select)	Courier::UInt8.	
	- Text: corresponds to the text for Replace Action		
	(used by Replace)	Count:	
	- Index: corresponds to the Index (used by Select	Courier::UInt8.	
	Action)		
	- Count: corresponds to the Count (used by Select		
	Action)		

EditFieldUpdMsg Model	Courier Message from EditFiled to notify the	Text: Can-	TC_W16_18
	subscribers about the various properties/values	dera::String.	
	change		
	- ViewId: corresponds to the view from where the	CursorIndex:	
	message is fired	Courier::UInt8.	
	- Sender: corresponds to the widget instance which		
	fires the message	VisibleStartIndex:	
	- Text: corresponds to the text in m_sEdifieldIfo, This	Courier::UInt8.	
	is total text including Left, Hightlight and End Text		
	- CursorIndex: corresponds to the CursorIndex	VisibleCharCount:	
	- VisibleStartIndex: corresponds to the	Courier::UInt8.	
	VisibleStartIndex		
	- VisibleCharCount: corresponds to the	HighlightStartIndex:	
	VisibleCharCount	Courier::UInt8.	
	- HighlightStartIndex: corresponds to		
	HighlightStartIndex	HighlightCount:	
	- HighlightCount: corresponds to the HighlightCount	Courier::UInt8.	
		EffectiveRendering:	
		bool.	

EffectControlWidget2D

Name: EffectControlWidget2D

Description: Controls the properties of an effect allowing to expose them outside composites or to change them using data bind-

ing sources.

Category: Common

Name	Bind able	Туре	Description	Test Scope
BlurFilterSize	True	Byte	See Effect's property BlurFilterSize	TC_W68_01
BlurFilterSizeEnabled	False	Bool	Enables configuration of the property	
			BlurFilterSize	
Color	True	Color	See Effect's property Color	TC_W68_02
ColorEnabled	False	Bool	Enables configuration of the property Color	
DropShadowColor	True	Color	See Effect's property DropShadowColor	TC_W68_03
DropShadowColorEnabled	False	Bool	Enables configuration of the property	
			DropShadowColor	
DropShadowDistance	True	UInt	See Effect's property	TC_W68_03
			DropShadowDistance	
DropShadowDistanceEnabled	False	Bool	Enables configuration of the property	
			DropShadowDistance	
DropShadowEnabled	True	Bool	See Effect's property	TC_W68_03
_			DropShadowEnabled	
DropShadowEnabledEnabled	False	Bool	Enables configuration of the property	
			DropShadowEnabled	
DropShadowLightAngle	True	Int	See Effect's property	TC_W68_03
			DropShadowLightAngle	
DropShadowLightAngleEnabled	False	Bool	Enables configuration of the property	
			DropShadowLightAngle	
DropShadowScale	True	UInt	See Effect's property DropShadowScale	TC_W68_03
DropShadowScaleEnabled	False	Bool	Enables configuration of the property	
-			DropShadowScale	

Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	
FlipH	True	Bool	See Effect's property FlipH	TC_W68_04
FlipHEnabled	False	Bool	Enables configuration of the property FlipH	10_1100_01
FlipV	True	Bool	See Effect's property FlipV	TC_W68_04
FlipVEnabled	False	Bool	Enables configuration of the property FlipV	
GradientCenter	True	Vector2	See Effect's property GradientCenter	TC_W68_11
GradientCenterColor	True	Color	See Effect's property GradientCenterColor	TC_W68_12
GradientCenterColorEnabled	False	Bool	Enables configuration of the property GradientCenterColor	
GradientCenterEnabled	False	Bool	Enables configuration of the property GradientCenter	
GradientDirection	True	Vector2	See Effect's property GradientDirection	TC_W68_13
GradientDirectionEnabled	False	Bool	Enables configuration of the property GradientDirection	
GradientMagnitude	True	Float	See Effect's property GradientMagnitude	TC_W68_11
GradientMagnitudeEnabled	False	Bool	Enables configuration of the property GradientMagnitude	
GradientNegativeColor	True	Color	See Effect's property GradientNegativeColor	TC_W68_13
GradientNegativeColorEnabled	False	Bool	Enables configuration of the property GradientNegativeColor	
GradientPositiveColor	True	Color	See Effect's property GradientPositiveColor	TC_W68_13
GradientPositiveColorEnabled	False	Bool	Enables configuration of the property GradientPositiveColor	
GradientRadialColor	True	Color	See Effect's property GradientRadialColor	TC_W68_12
GradientRadialColorEnabled	False	Bool	Enables configuration of the property GradientRadialColor	
GradientSize	True	Vector2	See Effect's property GradientSize	TC_W68_11
GradientSizeEnabled	False	Bool	Enables configuration of the property GradientSize	
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	
MaskImage	True	Image2I	O See Effect's property MaskImage	Ignored: Candera does not support to change image for this property

MaskImageEnabled	False	Bool	Enables configuration of the property	
			MaskImage	
MaskNode	False	Node2D		
MaskNodeEnabled	False	Bool	Enables configuration of the property	
			MaskNode	
MirrorAlpha	True	Float	See Effect's property MirrorAlpha	TC_W68_06
MirrorAlphaEnabled	False	Bool	Enables configuration of the property	
			MirrorAlpha	
MirrorAxisFrom	True	Vector2	See Effect's property MirrorAxisFrom	TC_W68_06
MirrorAxisFromEnabled	False	Bool	Enables configuration of the property	
			MirrorAxisFrom	
MirrorAxisTo	True	Vector2	See Effect's property MirrorAxisTo	TC_W68_06
MirrorAxisToEnabled	False	Bool	Enables configuration of the property	
			MirrorAxisTo	
Name	False	CharArr	a)The name of the widget instance	
Node	False	Node2D	The associated node of the widget.	
OutlineColor	True	Color	See Effect's property OutlineColor	TC_W68_05
OutlineColorEnabled	False	Bool	Enables configuration of the property	
			OutlineColor	
OutlineWidth	True	Byte	See Effect's property OutlineWidth	TC_W68_05
OutlineWidthEnabled	False	Bool	Enables configuration of the property	
			OutlineWidth	
ShadowColor	True	Color	See Effect's property ShadowColor	TC_W68_10
ShadowColorEnabled	False	Bool	Enables configuration of the property	
			ShadowColor	
ShadowOffset	True	Vector2	See Effect's property ShadowOffset	TC_W68_10
ShadowOffsetEnabled	False	Bool	Enables configuration of the property	
			ShadowOffset	
ShadowScale	True	Vector2	See Effect's property ShadowScale	TC_W68_10
ShadowScaleEnabled	False	Bool	Enables configuration of the property	
			ShadowScale	
ShearAngleX	True	Float	See Effect's property ShearAngleX	TC_W68_14
ShearAngleXEnabled	False	Bool	Enables configuration of the property	
			ShearAngleX	
ShearAngleY	True	Float	See Effect's property ShearAngleY	TC_W68_14
ShearAngleYEnabled	False	Bool	Enables configuration of the property	
Should higher Educated		2001	ShearAngleY	
Visible	True	Bool	Configures the node property	TC_W68_09
			EnableRendering which is used to	
			determine if the node is rendered or not.	
			A node is effectively rendered if it and all	
			its ancestors have rendering enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node	
VisioleEnabled	1 disc	Door	property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	

Name	Subsci	i ll@es cription	Members	Distrib	u iEost
					Scope

EnableGroupWidget2D

Name: EnableGroupWidget2D

Description: Provides support to enable or disable descendant widgets.

Category: Common

Name	Bind	Type	Description	Test Scope
	able			
Enable	True	Bool	Enables this widget. Some widgets (for	TC_W10_08
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
InheritEnabled	True	Bool	If true then this widget is considered	TC_W10_07
			effectively enabled only if both local	
			Enabled and the value inherited from the	
			ancestor EnableGroupWidget2D are true.	
			If this widget has no	
			EnableGroupWidget2D ancestor or	
			InheritEnabled is false then only the local	
			Enabled is used.	
Name	False	CharArr	a)The name of the widget instance	
Node	False	Node2D	The associated node of the widget.	
Visible	True	Bool	Configures the node property	TC_W10_09
			EnableRendering which is used to	
			determine if the node is rendered or not.	
			A node is effectively rendered if it and all	
			its ancestors have rendering enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	

VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	

Name	Subscribion Subscription	Members	Distribu ffest
			Scope

FlexBaseLineLayouterWidget2D

Name: FlexBaseLineLayouterWidget2D

Description: DEPRECATED! Don't use this widget! Use BaseLineLayouterWidget2D instead.

Category: Deprecated

Name	Bind able	Туре	Description	Test Scope
BaseLineOffset	True	Float	Baseline offset used by the layouter.	Ignored: This widget is deprecated and should be replaced by the same name widget but without Flex
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	Ignored: This widget is deprecated and should be replaced by the same name widget but without Flex
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: This widget is deprecated and should be replaced by the same name widget but without Flex

Name	False	CharArraThe name of the widget instance		
NestedLevel	True	UInt DEPRECATED: This property was		Ignored:
		required in the past when it was not		This widget
			possible to associate a widget directly to	
			the composite.	and should
			The value of this property represents the	be replaced
			ancestor's level, relative to the associated	by the same
			node, that will be targeted by this widget.	name widget
			This property should not be used because	but without
			it creates confusion and can lead to	Flex
			errors. Just associate the widget directly	
			to the targeted composite or group.	
Node	False	Node2D	ϵ	
Visible	True	Bool	Configures the node property	Ignored:
			EnableRendering which is used to	This widget
			determine if the node is rendered or not.	is deprecated
			A node is effectively rendered if it and all	and should
			its ancestors have rendering enabled.	be replaced
			Please notice that if the same property of	by the same name widget
			a node is set from multiple sources then	
			the result is unpredictable.	
				Flex
VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	

Name	Subscribion Subscription	Members	Distribu ffest
			Scope

FlexCanvasLayouterWidget2D

Name: FlexCanvasLayouterWidget2D

Description: DEPRECATED! Don't use this widget! Use an overlay layouter instead.

Category: Deprecated

Name	Bind	Type	Description	Test Scope
	able			
Enable	True	Bool	Enables this widget. Some widgets (for	Ignored:
			example button) use this property while	This widget
			others ignore it.	is deprecated
			If InheritEnabled is true then this widget	and should
			is considered effectively enabled only if	be replaced
			both local Enabled and the value	by the same
			inherited from the ancestor	name widget
			EnableGroupWidget2D are true.	but without
				Flex
InheritEnabled	True	Bool	If true then this widget is considered	Ignored:
			effectively enabled only if both local	This widget
			Enabled and the value inherited from the	is deprecated
			ancestor EnableGroupWidget2D are true.	and should
			If this widget has no	be replaced
			EnableGroupWidget2D ancestor or	by the same
			InheritEnabled is false then only the local	name widget
			Enabled is used.	but without
				Flex
LayoutChildren	True	Bool	The value that will be st for the	Ignored:
			LayoutChildren property of the	This widget
			ancestor's FlexCanvasLayouter instance.	is deprecated
				and should
				be replaced
				by the same
				name widget
				but without
				Flex

Name	False	CharArr	a)The name of the widget instance	
NestedLevel	True	UInt	The ancestor's level, relative to the	Ignored:
			associated node, that will have the	This widget
			layouter set to an FlexCanvasLayouter.	
				and should
				be replaced
				by the same
				name widget
				but without
				Flex
Node	False	Node2D	ϵ	
Visible	True	Bool	Configures the node property	Ignored:
			EnableRendering which is used to	This widget
			determine if the node is rendered or not.	is deprecated
			A node is effectively rendered if it and all	and should
			its ancestors have rendering enabled.	be replaced
			Please notice that if the same property of	by the same
			a node is set from multiple sources then	name widget
			the result is unpredictable.	but without
				Flex
VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	

Name	Subscr	ib Des cription	Members	Distrib	u llost
					Scope

FlexCollapseWidget2D

Name: FlexCollapseWidget2D

Description: DEPRECATED! Don't use this widget! Instead set the Collapsible property of the node and hide it using the Visible

property of any widget attached to it.

Category: Deprecated

Name	Bind able	Type	Description	Test Scope
Collapsed	True	Bool	Whether the ancestor will be collapsed or not.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex

InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
Name	False	CharArı	a)The name of the widget instance	
NestedLevel	True	UInt	The ancestor's level, relative to the associated node, that will be collapsed.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
Node	False	Node2D	The associated node of the widget.	
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscribescription	Members	Distribu llost
			Scope

FlexDockSideWidget2D

Name: FlexDockSideWidget2D

Description: DEPRECATED! Don't use this widget!

Category: Deprecated

Name	Bind able	Туре	Description	Test Scope
DockSide	True	Enum	The value to set for the DockSide property of the ancestor node.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex

Name	False	CharArr	a)The name of the widget instance	
NestedLevel	True	UInt	The ancestor's level, relative to the	Ignored:
			associated node, that will have the	This widget
			DockSide property modified.	is deprecated
				and should
				be replaced
				by the same
				name widget
				that without
				Flex
Node	False	Node2D	Č	
Visible	True	Bool	Configures the node property	Ignored:
			EnableRendering which is used to	This widget
			determine if the node is rendered or not.	is deprecated
			A node is effectively rendered if it and all	and should
			its ancestors have rendering enabled.	be replaced
			Please notice that if the same property of	by the same
			a node is set from multiple sources then	name widget
			the result is unpredictable.	that without
				Flex
VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	

1	Vame	Subscr	ib Des cription	Members	Distrib	น ป๊อร t
						Scope

FlexDropdownListWidget2D

Name: FlexDropdownListWidget2D

Description: DEPRECATED! Don't use this widget! Use DropDownListWidget2D instead.

Category: Deprecated

Name	Bind	Type	Description	Test Scope
	able			
AcceptImmediatePositioning	True	Bool	If set to true, immediate positioning is	Ignored:
			taken into consideration. Please check	This widget
			the other properties to enable immediate	is deprecated
			positioning for different events.	and should
				be replaced
				by the same
				name widget
				that without
				Flex
AcceptImmediatePositioningOnFirstApper	an Er ue	Bool	If set to true, the first ListChangeMsg	Ignored:
			with ListChangeSet that is received after	This widget
			rendering is enabled for the view and if	is deprecated
			immediate positioning is activated, then	and should
			the position is set to the received value	be replaced
			without using an animation; further	by the same
			position setting uses an animation. If set	name widget
			to false, then the immediat positioning is	that without
			ignored and the animation is always used	Flex
			to scroll to the given position.	

AcceptImmediatePositioningOnItemScroll		Bool	If set to true, if a ListChangeMsg with ListChangeDown or ListChangeUp is received and immediate positioning is activated, then the position is set to the received value without using an animation. If set to false, then the immediate positioning is ignored and the animation is always used to scroll to the given position.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
AcceptImmediatePositioningOnPageScroll	True	Bool	If set to true, if a ListChangeMsg with ListChangePageDown or ListChangePageUp is received and immediate positioning is activated, then the position is set to the received value without using an animation. If set to false, then the immediat positioning is ignored and the animation is always used to scroll to the given position.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
AcceptImmediatePositioningOnPositionSet	True	Bool	If set to true, if a ListChangeMsg with ListChangeSet is received and immediate positioning is activated, then the position is set to the received value without using an animation. If set to false, then the immediat positioning is ignored and the animation is always used to scroll to the given position.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
AnimationOffset	False	Short	Offset from first visible item to the position of the first animated item, give a negative value for the offset to the first invisible item of the list	
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies the id of the appearance responsible to change, based on widget state (enabled, pressed, active, focused), the images and the colors for the widget node and the descendant nodes. The appearances are registered at start-up.	Ignored: Under development
AutoViewportSize	False	Bool	If enabled, the size of the viewport will be calculated as NumberOfItems multiplied with the size of the InvalidItemTemplate. This is done for the direction of scrolling; the other direction will remain unmodified.	
BufferSize	True	UInt	Used for windowed data. The buffer size of the elements requested prior and after the visible ones.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
ButtonNode	False	Node2D	The node acting as a button and when pressed will open the drop down list.	

CachedLayout	False	Bool	Caches the layout of the list entries, if set to true the layout calculation is done only once for each list item and than cached.	
ConfigureFocusGroup	True	Bool	Focus group is configured explicitelly or uses default configuration.	Ignored: The TTFis simulation for the gesture action is not ready yet.
ContentNode	False	Node2D	The node containing the selected item.	
ControllerId	True	Short	Identifies the controller attached to this widget1 no controller is attached; 0 default controller for the class is attached (used for derived classes); 1n id of a controller registered at start-up;	Ignored: Id of a controller registered at start-up. It cant be changed during run time
Coverflow	True	Bool	True if the list is a coverflow.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
CustomAnimationsGroupNode	False	Node2D	Root node of animated nodes that are placeholders for the real items in the list. The animated properties will be aplied to the nodes that will be added by the list to the ItemsNode.	
CustomListAnimations	False	Animati	orArray of animations for all visible list	
			elements.	
DefaultFocusOrder	True	Short	Focus order of the element which should become focused when this group becomes active.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DisabledTouching	True	Bool	Widget can be touched also when it is disabled.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex

DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The TTFis
				simulation
				for the
				gesture action is not
				ready yet.
Drag	True	Bool	Enable drag gesture detection	Ignored:
Diug	True	Bool	Enable drag gesture detection	This widget
				is deprecated
				and should
				be replaced
				by the same
				name widget
				that without
				Flex
DragAndSwipeOnNeed	True	Bool	If true then drag and swipe will be	Ignored:
			dynamically disabled when a new touch session starts if all items are visible.	This widget is deprecated
			session starts if all items are visible.	and should
				be replaced
				by the same
				name widget
				that without
				Flex
DragDirection	False	Enum	Direction in which drag should be detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the	Ignored: The
			target of a drag and drop operation.	TTFis
				simulation
				for the
				gesture action is not
				ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the	Ignored: The
			source of a drag and drop operation.	TTFis
				simulation
				for the
				gesture
				action is not
	I			
DymamiaCaid	Folgo	Dool	Whathan an not the anid is outamentically	ready yet.
DynamicGrid	False	Bool	Whether or not the grid is automatically adapting to the text size.	ready yet.
•	False False	Bool	adapting to the text size.	ready yet.
DynamicGridEmptyCellsPolicy			adapting to the text size. The policy to distribute the empty spaces in the last row of the list	
•			adapting to the text size. The policy to distribute the empty spaces in the last row of the list Enables this widget. Some widgets (for	Ignored:
DynamicGridEmptyCellsPolicy	False	Enum	adapting to the text size. The policy to distribute the empty spaces in the last row of the list Enables this widget. Some widgets (for example button) use this property while	Ignored: This widget
DynamicGridEmptyCellsPolicy	False	Enum	adapting to the text size. The policy to distribute the empty spaces in the last row of the list Enables this widget. Some widgets (for example button) use this property while others ignore it.	Ignored: This widget is deprecated
DynamicGridEmptyCellsPolicy	False	Enum	adapting to the text size. The policy to distribute the empty spaces in the last row of the list Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget	Ignored: This widget is deprecated and should
DynamicGridEmptyCellsPolicy	False	Enum	adapting to the text size. The policy to distribute the empty spaces in the last row of the list Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if	Ignored: This widget is deprecated and should be replaced
DynamicGridEmptyCellsPolicy	False	Enum	adapting to the text size. The policy to distribute the empty spaces in the last row of the list Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value	Ignored: This widget is deprecated and should be replaced by the same
DynamicGridEmptyCellsPolicy	False	Enum	adapting to the text size. The policy to distribute the empty spaces in the last row of the list Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if	Ignored: This widget is deprecated and should be replaced

ExpandAutoScroll	True	Bool	Wether or not expand animations scroll the list so that the expanded item fully fits inside the viewport.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
FixedPageScrolling	True	Bool	Works only of all the data is available(no windowed data). Should be used only with small lists. If set to true, the pages always start at a fix position, similar to a book. If set to false, the pages are always considered relative to the current start index.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
FixedPageScrollingOffset	True	Float	Percentage of the viewport needed to be scrolled/swiped with the touch in order to go to the next/previous page.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
FocusAnchorId	True	UInt		Ignored: Not available in CGI config- uration, not mentioned in user guide
FocusAnchorMode FocusControllerSet	False True	Enum Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusLayer	True	Short	Specifies to which focus layer this group belongs. There should be distinct layers for main surface screens, subspeller, popups to prevent focusing of elements in the main screen when a popup is displayed. Only elements in the groups with the highest layer will be focused.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.

FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	
FocusWrapAround	True	Bool	Focus wraps around to first/last element.	Ignored: The TTFis simulation for the gesture action is not ready yet.
Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusedIndex	True	Int	The index of the currently focused item.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusedNode	False	Node2D	The node that will highlight the focused node.	
GestureConfigId	True	UInt	Identifies the gesture configuration used for this widget. Gesture configurations are registered at start-up and attached to widgets using numerical ids (0 is used for the default configuration defined in the widget). For more information please read the gesture configuration chapter in the widget user guide.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
IgnoreListChangeMsg	False	Enum	Defines when the ListChangeMsg will be ignored douring the list scrolling or swiping	
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
InvalidItemTemplate	False	Node2D	Template used for not yet available data or if no other template is found for some data.	- 13.1
ItemsNode	False	Node2D		

LimitExceededDownAnimation	False	Animati	orAnimation that is played when the user wants to exceed the list on bottom. It is only played if LimitExceededDownAnimationType is CustomAnimation or circular scrolling is not enabled.	
LimitExceededDownAnimationTime	True	UInt	Defines the how much time (ms) the exceeded down animation takes.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
LimitExceededDownAnimationType	True	Enum	Sets the kind of animation that will be played if the lists limit is exceeded on bottom of the list.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
LimitExceededDownBounceAmplitude	True	Vector2	Amplitude vector used for generating the margin bounce animation.	Ignored: It is related to animation, cannot test by automation.
LimitExceededUpAnimation	False	Animati	orAnimation that is played when the user wants to exceed the list on top. It is only played if LimitExceededUpAnimationType is CustomAnimation or circular scrolling is not enabled.	
LimitExceededUpAnimationTime	True	UInt	Defines the how much time (ms) the exceeded up animation takes.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
LimitExceededUpAnimationType	True	Enum	Sets the kind of animation that will be played if the lists limit is exceeded on top of the list.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex

LimitExceededUpBounceAmplitude	True	Vector2	Amplitude vector used for generating the margin bounce animation.	Ignored: It is related to animation, cannot test by automation.
LimitReachedDownAnimation	False		orAnimation that is played when the user reaches the list on top during swipe, scroll or set. It is only played if LimitReachedDownAnimationType is CustomAnimation or circular scrolling is not enabled.	
LimitReachedDownAnimationTime	True	UInt	Defines the how much time (ms) the reached down animation takes.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
LimitReachedDownAnimationType	True	Enum	Sets the kind of animation that will be played if the lists limit is reached during swipe, scroll or set on bottom of the list.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
LimitReachedDownBounceAmplitude	True	Vector2	Amplitude vector used for generating the margin bounce animation.	Ignored: It is related to animation, cannot test by automation.
LimitReachedUpAnimation	False		orAnimation that is played when the user reaches the list on top during swipe, scroll or set. It is only played if LimitReachedUpAnimationType is CustomAnimation or circular scrolling is not enabled.	
LimitReachedUpAnimationTime	True	UInt	Defines the how much time (ms) the reached up animation takes.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex

LimitReachedUpAnimationType	True	Enum	Sets the kind of animation that will be played if the lists limit is reached during swipe, scroll or set on top of the list.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
LimitReachedUpBounceAmplitude	True	Vector2	Amplitude vector used for generating the margin bounce animation.	Ignored: It is related to animation, cannot test by automation.
ListAlignment	False	Enum	Only applicable for lists with less then the maximum number of visible items. If set to 'End' the items will be aligned at the end of the list.	
ListId	True	UInt	A unique identifier of the list that will be used to request data to the model and react to data sent from the model.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
ListNode	False	Node2D	The node containing the dropdown list.	TICA
ListPosition	False	Vector2		
23st comen	1 4150	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	UserListPosition is true.	
ListSize	False	Vector2	The size to be set for the ListNode.	
LockOutFixMovementOffset	False	Float	Offset in percent of the viewport required for LockOutType LockOutFixMovement.	
Name	False		ayThe name of the widget instance	
Node	False		The associated node of the widget.	
NumberOfItems	True	UInt	The number of items is only available for itemwise lists(PixelWiseScrollingEnabled set to false). For stack layouted lists it has the meaning of the number of elements that would be visible. For grid layouted lists it has the meaning of the number of columns(for horizontal scrolling) or rows(for vertical scrolling) that will be seen. The number of rows(for horizontal scrolling) or columns(for vertical scrolling) will be taken from the GridLayouter.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
PageIndicationAccuracy	False	Float	Accuracy of the current page position indication.	

PinchSpread	True	Bool	Enable pinch and spread gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
PixelWiseAnimationTime	True	UInt	Time in ms to finish the pixel wise animation	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
PixelWiseScrollingEnabled	True	Bool	If set to true, scrolling is done pixel by pixel, meaning that an item can be partially visible. If set to false, scrolling is done item by item; items ar always completely visible.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
PostListChanged	False	Bool	If true, the list will post a ListChangedUpdMsg message everytime the first visible index changes.	
PreparedItemsBufferSize	False	Byte	Number of additional items being prepared when the list is idle	
PreparedItemsUpdateTriggerOffset	False	Byte	Offset to the edge of the PreparedItemsBuffer - the prepared item buffer will be updated and old items discarded as soon as this offset is reached	
PreserveFocus	True	Bool	Current focused element is preserved when group becomes inactive.	Ignored: The TTFis simulation for the gesture action is not ready yet.
PreserveScrollIndex	False	Bool	If enabled, and the list is cached, the widget will remember the last scrolled position and set the same on re-entering the List View, unless set to a different value by the model.	
PressHold	True	Bool	Enable hold gesture detection	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex

PressRepeat	True	Bool	Enable repeat gesture detection	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
RawTouch	True	Bool	Enable raw touch coordinate routing (mainly for hand writing recognition)	Ignored: Not tested because this property is inherited and not specific to this Widget.
Rotate	True	Bool	Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
ScrollAnimationInput	False	Enum	Input of scroll animation - Either pixel	
ScrollbarAlwaysVisible	True	Bool	position or index of list items If set to true, scrollbar is always visible, regardless if it's needed or not. If set to false, it's only visible if needed.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
ScrollingOrientation	True	Enum	Scrolling orientation: vertical or horizontal	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
ScrollingType	False	Enum	Sets the way this list scrolls: Default beginning to end, continous or last page not filled.	
ShortPixelWiseAnimationTime	True	UInt	Short time in ms to finish the pixel wise animation; used when setting the position with a ListChangeSet request type	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex

ShowItemsOnViewActivated	False	Bool	Whether items are visible or not on view shown, before receiving a ListCustomAnimationReqMsg.	
Snap	False	Enum	Specifies how the list should behave after scrolling. SnapToEdge - List will snap to the nearest edge, SnapToCenter - List will snap to the center	
SnapHoldTime	False	UInt	Timeout in milliseconds, if reached no snapping will be done	
SnapOffsetThreshold	False	UInt	Threshold of offsetDelta = Abs(offsetTop - offsetBottom) in pixels - if the offset delta is smaller than the threshold the snap will be done to the edge closer to the touch position	
StartIndex	True	Int	The index of the first visible item. Negative indices are accepted in case of circular scrolling.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
Swipe	True	Bool	Enable swipe gesture detection	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
SwipeDirection	False	Enum	Direction in which swipe should be detected	
SwipingAcceleration	True	Float	Acceleration used to slow down swiping	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
SwipingDistanceThreshold	True	UInt	Deprecated. Please do not use this, as it will be removed in a future version. Minimum distance in display units needed to drag in order to begin scrolling	Ignored: Deprecated
SwipingMaxDistance	True	Float	Maximum distance that can be covered within one swipe	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex

SwipingTimerThreshold SwipingVelocityThreshold	True	UInt	Minimum time in ms needed to press in order to focus an item Deprecated. Please do not use this, as it	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex Ignored:
			will be removed in a future version. Minimum velocity in display units/ms needed to move with in order to begin swiping	Deprecated
Тар	True	Bool	Enable press and tap gesture detection	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
TemplateGroup	False	Node2D	nodes will be cloned based on the item needed to be displayed and the clone will be added to the ItemsNode.	
TemplateScrollAnimations	False	Animati	orArray of template animations for list scrolling.	
TouchPriority	True	UInt	Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.
Touchable	True	Bool	Widget is Touchable or not	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
UpdateTriggerOffset	True	UInt	Used for windowed data. The offset relative to the first or last visible item index, respectively used to request new data when reached.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex

UsableViewportPadding	False	Margin	Viewport offset for visible items in the list - useful in case the list is overlapped by some other content.	
UseListPosition	False	Bool	If set to true, sets the position given by ListPosition property for the ListNode. If set to false, it uses the position set by the layouter.	
UserData	True	UInt	Together with the view and the widget identifier, this user data is a parameter to many messages posted by the widgets which can be used in the state machine or in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	Ignored: The infrastructure is in the base widget, No extra information to store here.
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscrib@escription	Members	Distribu ffost
			Scope

FlexListWidget2D

Name: FlexListWidget2D

Description: DEPRECATED! Don't use this widget! Use ListWidget2D instead.

Category: Deprecated

Name	Bind able	Туре	Description	Test Scope
AcceptImmediatePositioning	True	Bool	If set to true, immediate positioning is taken into consideration. Please check the other properties to enable immediate positioning for different events.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
AcceptImmediatePositioningOnFirstApper	an Er ue	Bool	If set to true, the first ListChangeMsg with ListChangeSet that is received after rendering is enabled for the view and if immediate positioning is activated, then the position is set to the received value without using an animation; further position setting uses an animation. If set to false, then the immediat positioning is ignored and the animation is always used to scroll to the given position.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex

AcceptImmediatePositioningOnItemScroll	True	Bool	If set to true, if a ListChangeMsg with ListChangeDown or ListChangeUp is received and immediate positioning is activated, then the position is set to the received value without using an animation. If set to false, then the immediate positioning is ignored and the animation is always used to scroll to the given position.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
AcceptImmediatePositioningOnPageScroll	True	Bool	If set to true, if a ListChangeMsg with ListChangePageDown or ListChangePageUp is received and immediate positioning is activated, then the position is set to the received value without using an animation. If set to false, then the immediat positioning is ignored and the animation is always used to scroll to the given position.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
AcceptImmediatePositioningOnPositionSet	True	Bool	If set to true, if a ListChangeMsg with ListChangeSet is received and immediate positioning is activated, then the position is set to the received value without using an animation. If set to false, then the immediat positioning is ignored and the animation is always used to scroll to the given position.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
AnimationOffset	False	Short	Offset from first visible item to the position of the first animated item, give a negative value for the offset to the first invisible item of the list	
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies the id of the appearance responsible to change, based on widget state (enabled, pressed, active, focused), the images and the colors for the widget node and the descendant nodes. The appearances are registered at start-up.	Ignored: Under development
AutoViewportSize	False	Bool	If enabled, the size of the viewport will be calculated as NumberOfItems multiplied with the size of the InvalidItemTemplate. This is done for the direction of scrolling; the other direction will remain unmodified.	
BufferSize	True	UInt	Used for windowed data. The buffer size of the elements requested prior and after the visible ones.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
CachedLayout	False	Bool	Caches the layout of the list entries, if set to true the layout calculation is done only once for each list item and than cached.	

ConfigureFocusGroup	True	Bool	Focus group is configured explicitelly or uses default configuration.	Ignored: The TTFis simulation for the gesture action is not ready yet.
ControllerId	True	Short	Identifies the controller attached to this widget1 no controller is attached; 0 default controller for the class is attached (used for derived classes); 1n id of a controller registered at start-up;	Ignored: Id of a controller registered at start-up. It cant be changed during run time
Coverflow	True	Bool	True if the list is a coverflow.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
CustomAnimationsGroupNode	False	Node2D	Root node of animated nodes that are placeholders for the real items in the list. The animated properties will be aplied to the nodes that will be added by the list to the ItemsNode.	
CustomListAnimations	False	Animati	orArray of animations for all visible list elements.	
DefaultFocusOrder	True	Short	Focus order of the element which should become focused when this group becomes active.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DisabledTouching	True	Bool	Widget can be touched also when it is disabled.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The TTFis simulation for the gesture action is not ready yet.

Drag	True	Bool	Enable drag gesture detection	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
DragAndSwipeOnNeed	True	Bool	If true then drag and swipe will be dynamically disabled when a new touch session starts if all items are visible.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
DragDirection	False	Enum	Direction in which drag should be detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DynamicGrid	False	Bool	Whether or not the grid is automatically adapting to the text size.	ready yet.
DynamicGridEmptyCellsPolicy	False	Enum	The policy to distribute the empty spaces in the last row of the list	
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
ExpandAutoScroll	True	Bool	Wether or not expand animations scroll the list so that the expanded item fully fits inside the viewport.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex

FixedPageScrolling	True	Bool	Works only of all the data is available(no windowed data). Should be used only with small lists. If set to true, the pages always start at a fix position, similar to a book. If set to false, the pages are always considered relative to the current start index.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
FixedPageScrollingOffset	True	Float	Percentage of the viewport needed to be scrolled/swiped with the touch in order to go to the next/previous page.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
FocusAnchorId	True	UInt		Ignored: Not available in CGI config- uration, not mentioned in user guide
FocusAnchorMode	False	Enum		
FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusLayer	True	Short	Specifies to which focus layer this group belongs. There should be distinct layers for main surface screens, subspeller, popups to prevent focusing of elements in the main screen when a popup is displayed. Only elements in the groups with the highest layer will be focused.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	, , ,
FocusWrapAround	True	Bool	Focus wraps around to first/last element.	Ignored: The TTFis simulation for the gesture action is not ready yet.

Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusedIndex	True	Int	The index of the currently focused item.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusedNode	False	Node2D	The node that will highlight the focused node.	
GestureConfigId	True	UInt	Identifies the gesture configuration used for this widget. Gesture configurations are registered at start-up and attached to widgets using numerical ids (0 is used for the default configuration defined in the widget). For more information please read the gesture configuration chapter in the widget user guide.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
IgnoreListChangeMsg	False	Enum	Defines when the ListChangeMsg will be ignored douring the list scrolling or swiping	
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
InvalidItemTemplate	False	Node2D	Template used for not yet available data or if no other template is found for some data.	
ItemsNode	False	Node2D	The list items will be added as children of this node.	
LimitExceededDownAnimation	False	Animati	orAnimation that is played when the user wants to exceed the list on bottom. It is only played if LimitExceededDownAnimationType is CustomAnimation or circular scrolling is not enabled.	

LimitExceededDownAnimationTime	True	UInt	Defines the how much time (ms) the exceeded down animation takes.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
LimitExceededDownAnimationType	True	Enum	Sets the kind of animation that will be played if the lists limit is exceeded on bottom of the list.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
LimitExceededDownBounceAmplitude	True	Vector2	Amplitude vector used for generating the margin bounce animation.	Ignored: It is related to animation, cannot test by automation.
LimitExceededUpAnimation	False	Animati	orAnimation that is played when the user wants to exceed the list on top. It is only played if LimitExceededUpAnimationType is CustomAnimation or circular scrolling is not enabled.	
LimitExceededUpAnimationTime	True	UInt	Defines the how much time (ms) the exceeded up animation takes.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
LimitExceededUpAnimationType	True	Enum	Sets the kind of animation that will be played if the lists limit is exceeded on top of the list.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
LimitExceededUpBounceAmplitude	True	Vector2	Amplitude vector used for generating the margin bounce animation.	Ignored: It is related to animation, cannot test by automation.

LimitReachedDownAnimation	False	Animati	orAnimation that is played when the user reaches the list on top during swipe, scroll or set. It is only played if LimitReachedDownAnimationType is CustomAnimation or circular scrolling is not enabled.	
LimitReachedDownAnimationTime	True	UInt	Defines the how much time (ms) the reached down animation takes.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
LimitReachedDownAnimationType	True	Enum	Sets the kind of animation that will be played if the lists limit is reached during swipe, scroll or set on bottom of the list.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
LimitReachedDownBounceAmplitude	True	Vector2	Amplitude vector used for generating the margin bounce animation.	Ignored: It is related to animation, cannot test by automation.
LimitReachedUpAnimation	False	Animati	orAnimation that is played when the user reaches the list on top during swipe, scroll or set. It is only played if LimitReachedUpAnimationType is CustomAnimation or circular scrolling is not enabled.	
LimitReachedUpAnimationTime	True	UInt	Defines the how much time (ms) the reached up animation takes.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
LimitReachedUpAnimationType	True	Enum	Sets the kind of animation that will be played if the lists limit is reached during swipe, scroll or set on top of the list.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex

LimitReachedUpBounceAmplitude	True	Vector2	Amplitude vector used for generating the margin bounce animation.	Ignored: It is related to animation, cannot test by automation.
ListAlignment	False	Enum	Only applicable for lists with less then the maximum number of visible items. If set to 'End' the items will be aligned at the end of the list.	
ListId	True	UInt	A unique identifier of the list that will be used to request data to the model and react to data sent from the model.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
LockOutFixMovementOffset	False	Float	Offset in percent of the viewport required for LockOutType LockOutFixMovement.	
Name	False		ayThe name of the widget instance	
Node	False	Node2D		
NumberOfItems	True	UInt	The number of items is only available for itemwise lists(PixelWiseScrollingEnabled set to false). For stack layouted lists it has the meaning of the number of elements that would be visible. For grid layouted lists it has the meaning of the number of columns(for horizontal scrolling) or rows(for vertical scrolling) that will be seen. The number of rows(for horizontal scrolling) or columns(for vertical scrolling) will be taken from the GridLayouter.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
PageIndicationAccuracy	False	Float	Accuracy of the current page position indication.	
PinchSpread	True	Bool	Enable pinch and spread gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
PixelWiseAnimationTime	True	UInt	Time in ms to finish the pixel wise animation	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex

PixelWiseScrollingEnabled	True	Bool	If set to true, scrolling is done pixel by pixel, meaning that an item can be partially visible. If set to false, scrolling is done item by item; items ar always completely visible.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
PostListChanged	False	Bool	If true, the list will post a ListChangedUpdMsg message everytime the first visible index changes.	
PreparedItemsBufferSize	False	Byte	Number of additional items being prepared when the list is idle	
PreparedItemsUpdateTriggerOffset	False	Byte	Offset to the edge of the PreparedItemsBuffer - the prepared item buffer will be updated and old items discarded as soon as this offset is reached	
PreserveFocus	True	Bool	Current focused element is preserved when group becomes inactive.	Ignored: The TTFis simulation for the gesture action is not ready yet.
PreserveScrollIndex	False	Bool	If enabled, and the list is cached, the widget will remember the last scrolled position and set the same on re-entering the List View, unless set to a different value by the model.	
PressHold	True	Bool	Enable hold gesture detection	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
PressRepeat	True	Bool	Enable repeat gesture detection	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
RawTouch	True	Bool	Enable raw touch coordinate routing (mainly for hand writing recognition)	Ignored: Not tested because this property is inherited and not specific to this Widget.

Rotate	True	Bool	Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
ScrollAnimationInput	False	Enum	Input of scroll animation - Either pixel position or index of list items	Wiaget.
ScrollbarAlwaysVisible	True	Bool	If set to true, scrollbar is always visible, regardless if it's needed or not. If set to false, it's only visible if needed.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
ScrollingOrientation	True	Enum	Scrolling orientation: vertical or horizontal	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
ScrollingType	False	Enum	Sets the way this list scrolls: Default beginning to end, continous or last page not filled.	
ShortPixelWiseAnimationTime	True	UInt	Short time in ms to finish the pixel wise animation; used when setting the position with a ListChangeSet request type	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
ShowItemsOnViewActivated	False	Bool	Whether items are visible or not on view shown, before receiving a ListCustomAnimationReqMsg.	
Snap	False	Enum	Specifies how the list should behave after scrolling. SnapToEdge - List will snap to the nearest edge, SnapToCenter - List will snap to the center	
SnapHoldTime	False	UInt	Timeout in milliseconds, if reached no snapping will be done	
SnapOffsetThreshold	False	UInt	Threshold of offsetDelta = Abs(offsetTop - offsetBottom) in pixels - if the offset delta is smaller than the threshold the snap will be done to the edge closer to the touch position	

StartIndex	True	Int	The index of the first visible item. Negative indices are accepted in case of circular scrolling.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
Swipe	True	Bool	Enable swipe gesture detection	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
SwipeDirection	False	Enum	Direction in which swipe should be detected	
SwipingAcceleration	True	Float	Acceleration used to slow down swiping	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
SwipingDistanceThreshold	True	UInt	Deprecated. Please do not use this, as it will be removed in a future version. Minimum distance in display units needed to drag in order to begin scrolling	Ignored: Deprecated
SwipingMaxDistance	True	Float	Maximum distance that can be covered within one swipe	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
SwipingTimerThreshold	True	UInt	Minimum time in ms needed to press in order to focus an item	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
SwipingVelocityThreshold	True	Float	Deprecated. Please do not use this, as it will be removed in a future version. Minimum velocity in display units/ms needed to move with in order to begin swiping	Ignored: Deprecated

Тар	True	Bool	Enable press and tap gesture detection	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
TemplateGroup	False	Node2D	The parent of template nodes. Template nodes will be cloned based on the item needed to be displayed and the clone will be added to the ItemsNode.	
TemplateScrollAnimations	False	Animati	or Array of template animations for list scrolling.	
TouchPriority	True	UInt	Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.
Touchable	True	Bool	Widget is Touchable or not	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
UpdateTriggerOffset	True	UInt	Used for windowed data. The offset relative to the first or last visible item index, respectively used to request new data when reached.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
UsableViewportPadding	False	Margin	Viewport offset for visible items in the list - useful in case the list is overlapped by some other content.	
UserData	True	UInt	Together with the view and the widget identifier, this user data is a parameter to many messages posted by the widgets which can be used in the state machine or in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	Ignored: The infrastructure is in the base widget, No extra information to store here.

Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscribles cription	Members	Distribu ffest
			Scope

FlexOverlayLayouterWidget2D

Name: FlexOverlayLayouterWidget2D

Description: DEPRECATED! Don't use this widget! Use OverlayLayouterWidget2D instead.

Category: Deprecated

Name	Bind	Type	Description	Test Scope
	able			
Enable	True	Bool	Enables this widget. Some widgets (for	Ignored:
			example button) use this property while	This widget
			others ignore it.	is deprecated
			If InheritEnabled is true then this widget	and should
			is considered effectively enabled only if	be replaced
			both local Enabled and the value	by the same
			inherited from the ancestor	name widget
			EnableGroupWidget2D are true.	that without
				Flex
InheritEnabled	True	Bool	If true then this widget is considered	Ignored:
			effectively enabled only if both local	This widget
			Enabled and the value inherited from the	is deprecated
			ancestor EnableGroupWidget2D are true.	and should
			If this widget has no	be replaced
			EnableGroupWidget2D ancestor or	by the same
			InheritEnabled is false then only the local	name widget
			Enabled is used.	that without
				Flex
Name	False	CharAı	raThe name of the widget instance	

NestedLevel	True	UInt	DEPRECATED: This property was required in the past when it was not possible to associate a widget directly to the composite. The value of this property represents the ancestor's level, relative to the associated node, which will be targeted by this widget. This property should not be used because it creates confusion and can lead to errors. Just associate the widget directly to the targeted composite.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
Node	False	Node2D	The associated node of the widget.	
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscr	ih Des cription	Members	Distrib	น โโอร t
					Scope

FlexScrollBar2D

Name: FlexScrollBar2D

Description: DEPRECATED! Don't use this widget! Use ScrollBarWidget2D instead.

Category: Deprecated

Name	Bind able	Туре	Description	Test Scope
AdditionalPageBackwardNode	False	Node2D	, , , ,	
			backward button. This node is not part of	
			the knob movement area.	
AdditionalPageButtons	False	Bool	Use additional page buttons that are not	
			resized and are not part of the knob	
			movement area.	
AdditionalPageForwardNode	False	Node2D	An auxiliary node acting as a page	
			forward button. This node is not part of	
			the knob movement area.	
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies	Ignored:
			the id of the appearance responsible to	Under
			change, based on widget state (enabled,	development
			pressed, active, focused), the images and	
			the colors for the widget node and the	
			descendant nodes. The appearances are	
			registered at start-up.	
BackwardNode	False	Node2D	The node acting as back button.	
ControllerId	True	Short	Identifies the controller attached to this	Ignored: Id
			widget.	of a
			-1 no controller is attached;	controller
			0 default controller for the class is	registered at
			attached (used for derived classes);	start-up. It
			1n id of a controller registered at	cant be
			start-up;	changed
			-	during run
				time

DisabledTouching	True	Bool	Widget can be touched also when it is disabled.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The TTFis simulation for the gesture action is not ready yet.
Drag	True	Bool	Enable drag gesture detection	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
DragDirection	False	Enum	Direction in which drag should be detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DynamicSliderSize	False	Bool	Whether or not the slider size shall reflect the number of items in the list, if set to true the specified slider size will represent the minimum size.	
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex

FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	
Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not ready yet.
ForwardNode	False	Node2D	The node acting as forward button.	
GestureConfigId	True	UInt	Identifies the gesture configuration used for this widget. Gesture configurations are registered at start-up and attached to widgets using numerical ids (0 is used for the default configuration defined in the widget). For more information please read the gesture configuration chapter in the widget user guide.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
KnobDragMode	False	Enum	The mode the knob(slider) moves when dragged: ListPosition follows the list current position relative to its whole content; PointerPosition follows the pointer.	
Name	False		a)The name of the widget instance	
Node	False	Node2D	The associated node of the widget.	

OverscrollSize	True	Float	The percentage of one of the overscroll areas relative to the size of the slider back. There are two regions of overscroll: one at the begining of the scrollbar and one at the end.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
PageBackwardNode	False	Node2D	The node acting as a page back button; the part between the knob and BackwardNode.	
PageForwardNode	False	Node2D	The node acting as a page forward button; the part between the knob and ForwardNode.	
PinchSpread	True	Bool	Enable pinch and spread gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
PressHold	True	Bool	Enable hold gesture detection	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
PressRepeat	True	Bool	Enable repeat gesture detection	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
RawTouch	True	Bool	Enable raw touch coordinate routing (mainly for hand writing recognition)	Ignored: Not tested because this property is inherited and not specific to this Widget.
RepeatMessage	False	UInt	The time between triggering two consecutive events(back, forward, pageBack or pageForward) when the corresponding button is kept pressed.	

Rotate	True B	ool	Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
ScrollableNode	False N	ode2D	The node containing a FlexScrollable widget.	
SliderNode	False N	ode2D		
SliderSize	True Fl	loat	The percentage of the slider size relative to the size of the slider back.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
Swipe	True B	ool	Enable swipe gesture detection	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
SwipeDirection	False E	num	Direction in which swipe should be detected	
Тар		ool	Enable press and tap gesture detection	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
TouchPriority	True U	Int	Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.

Touchable	True	Bool	Widget is Touchable or not	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
TrackPressMode	False	Enum	Specifies the scrollbar behavior when it is touched either above or below the knob - PageScroll: The list is scrolled one page up / down, JumpToTouchCoordinate: Causes the knob to jump to the touch coordinate	
UserData	True	UInt	Together with the view and the widget identifier, this user data is a parameter to many messages posted by the widgets which can be used in the state machine or in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	Ignored: The infrastructure is in the base widget, No extra information to store here.
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscrib@escription	Members	Distribu liost
			Scope

FlexScrollBarButton2D

Name: FlexScrollBarButton2D

Description: DEPRECATED! Don't use this widget! Use ScrollBarButtonWidget2D instead.

Category: Deprecated

Name	Bind	Type	Description	Test Scope
	able	_		
Amount	False	Int	The amount for the change type. For	
			example, if set to 2 and ChangeType is	
			set to Previous, it will request an action to	
			go 2 items back.	
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies	Ignored:
			the id of the appearance responsible to	Under
			change, based on widget state (enabled,	development
			pressed, active, focused), the images and	
			the colors for the widget node and the	
			descendant nodes. The appearances are	
			registered at start-up.	
ChangeType	False	Enum	The type of action that will be issued to	
			the scrollbar.	
ControllerId	True	Short	Identifies the controller attached to this	Ignored: Id
			widget.	of a
			-1 no controller is attached;	controller
			0 default controller for the class is	registered at
			attached (used for derived classes);	start-up. It
			1n id of a controller registered at	cant be
			start-up;	changed
				during run
				time

DisabledTouching	True	Bool	Widget can be touched also when it is disabled.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The TTFis simulation for the gesture action is not ready yet.
Drag	True	Bool	Enable drag gesture detection	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
DragDirection	False	Enum	Direction in which drag should be detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
EditorFocused	False	Bool	Sets the focused flag in order to preview the appearance in SceneComposer. It has no effect in the simulation or on the target.	
EditorPressed	False	Bool	Sets the pressed flag in order to preview the appearance in SceneComposer. It has no effect in the simulation or on the target.	

Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	
Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not ready yet.
GestureConfigId	True	UInt	Identifies the gesture configuration used for this widget. Gesture configurations are registered at start-up and attached to widgets using numerical ids (0 is used for the default configuration defined in the widget). For more information please read the gesture configuration chapter in the widget user guide.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex

IsActive	True	Bool	Indicates if the button is active. For toggle/radio button active means checked/selected. For normal button active means that the option/action is active (for example track is playing, station is tuned, etc).	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
Name	False	CharAr	ra\The name of the widget instance	-
Node	False		The associated node of the widget.	
OnPress	False	Bool	If set to true, then the action is done when	
			pressing the button, otherwise it's done when releaseing the button.	
PinchSpread	True	Bool	Enable pinch and spread gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
PostButtonReactionMsg	False	Bool	ButtonReactionMsg messages will be	
			posted only if this property is true.	
PressHold	True	Bool	Enable hold gesture detection	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
PressRepeat	True	Bool	Enable repeat gesture detection	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
RawTouch	True	Bool	Enable raw touch coordinate routing (mainly for hand writing recognition)	Ignored: Not tested because this property is inherited and not specific to this Widget.

Rotate	True	Bool	Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
Swipe	True	Bool	Enable swipe gesture detection	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
SwipeDirection	False	Enum	Direction in which swipe should be detected	
Тар	True	Bool	Enable press and tap gesture detection	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
TimerConfiguration	False	Enum	Configures the timer.	
TouchHandler	True	Int	Specifies the id of the touch handler for this button. A touch handler can provide a custom sensitive area for buttons (for example circle, triangle, etc). Touch handlers are registered at application start-up.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
TouchPriority	True	UInt	Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.
Touchable	True	Bool	Widget is Touchable or not	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex

TouchableArea	False	Rectang	button. X and Y are coordinates relative to the upper left corner of the node effective bounding rectangle. If width or height are zero or negative the effective bounding rectangle of the node will be used as touchable area (X and Y will also be ignored).	
UserData	True	UInt	Together with the view and the widget identifier, this user data is a parameter to many messages posted by the widgets which can be used in the state machine or in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	Ignored: The infrastructure is in the base widget, No extra information to store here.
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscribescription	Members	Distribu ffost
			Scope

FlexSizeWidget2D

Name: FlexSizeWidget2D

Description: DEPRECATED! Don't use this widget! Use SizeWidget2D instead.

Category: Deprecated

Name	Bind able	Туре	Description	Test Scope
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
Name	False	CharA	rraThe name of the widget instance	

NestedLevel	True	UInt	The ancestor's level, relative to the associated node, that will have the Size property modified.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
Node	False	Node2D	The associated node of the widget.	
Size	True	Vector2	The value to set for the Size property of the ancestor node.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscrib@escription	Members	Distribu ifest
			Scope

FlexSwitchWidget2D

Name: FlexSwitchWidget2D

Description: DEPRECATED! Don't use this widget! Use SwitchWidget2D instead.

Category: Deprecated

Name	Bind able	Туре	Description	Test Scope
BitmaskEnabled	True	Bool	If set to true, the Index will be considered as bitmask and each bit will toggle the visibility of a node. Bit 0 from Index will control the first child node, bit 1 the second child node, etc. Up to 32 nodes can be controlled this way.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
Index	True	UInt	Index of the associated node's child that will be visible.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex

InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
Name	False		ayThe name of the widget instance	
Node	False	Node2D	· ·	
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscr	ib Des cription	Members	Distrib	u llos t
					Scope

FlexToggleWidget2D

Name: FlexToggleWidget2D

Description: DEPRECATED! Don't use this widget! Use ToggleWidget2D instead.

Category: Deprecated

Name	Bind able	Type	Description	Test Scope
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
Enabled	True	Bool	DEPRECATED. Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. The same node property is configured also by the widget property Visible which is available in all widgets. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex

InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
Name	False	CharAri	ayThe name of the widget instance	
Node	False		The associated node of the widget.	
UseDeprecatedEnabled	False	Bool	Enables the usage of the deprecated property Enabled. The default value of this property is true for legacy reasons (notice that also default VisibleEnabled is true for the same reasons). It is recommended to set this property to false and to control the node visibility by using the Visible property which is available in all widgets.	
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	Ignored: This widget is deprecated and should be replaced by the same name widget that without Flex
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscribescription	Members	Distribu llost
			Scope

FocusGroupWidget2D

Name: FocusGroupWidget2D

Description: Candera Widget 2D Base Class

Category: Common

Name	Bind able	Type	Description	Test Scope
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies the id of the appearance responsible to change, based on widget state (enabled, pressed, active, focused), the images and the colors for the widget node and the descendant nodes. The appearances are registered at start-up.	Ignored: Under development
ConfigureFocusGroup	True	Bool	Focus group is configured explicitelly or uses default configuration.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DefaultFocusOrder	True	Short	Focus order of the element which should become focused when this group becomes active.	Ignored: The TTFis simulation for the gesture action is not ready yet.

Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	
FocusAnchorId	True	UInt		Ignored: Not available in CGI config- uration, not mentioned in user guide
FocusControllerSet	False True	Short Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusLayer	True	Short	Specifies to which focus layer this group belongs. There should be distinct layers for main surface screens, subspeller, popups to prevent focusing of elements in the main screen when a popup is displayed. Only elements in the groups with the highest layer will be focused.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusMarkerNode	False		Focus marker which can be used by a focus animation manager to animate the changing of the focus inside this group (and its descendant groups). The default focus animation manager will create a translation animation which will move the marker from the old focus position to the new focus position. Please refer to the focus group section inside the widget user guide and also to the widget focus management concept document for more details.	
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	

FocusWrapAround	True	Bool	Focus wraps around to first/last element.	Ignored: The TTFis simulation for the gesture action is not ready yet.
Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not ready yet.
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	
Name	False		TayThe name of the widget instance	
Node	False	Node2I		
PreserveFocus	True	Bool	Current focused element is preserved when group becomes inactive.	Ignored: The TTFis simulation for the gesture action is not ready yet.
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscribion	Members	Distribu ffost
			Scope

GestureWidget2D

Name: GestureWidget2D

Description: Posts gesture messages. This is a delegate widget and its behavior is controlled by a widget controller attached

using the property ControllerId.

Category: Gesture

Name	Bind able	Type	Description	Test Scope
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies the id of the appearance responsible to change, based on widget state (enabled, pressed, active, focused), the images and the colors for the widget node and the descendant nodes. The appearances are registered at start-up.	Ignored: Under development
ControllerId	True	Short	Identifies the controller attached to this widget1 no controller is attached; 0 default controller for the class is attached (used for derived classes); 1n id of a controller registered at start-up;	Ignored: Id of a controller registered at start-up. It cant be changed during run time
DisabledTouching	True	Bool	Widget can be touched also when it is disabled.	Ignored: Not tested because this property is inherited and not specific to this Widget.

DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The TTFis simulation for the gesture action is not ready yet. TC_W69_01
Drag	True	Bool	Enable drag gesture detection	TC_W69_02
DragDirection	False	Enum	Direction in which drag should be detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	TC_W69_08
FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	

Focusable	True	Bool	Widget can gain the focus.	Ignored: The
				simulation
				for the
				gesture
				action is not
				ready yet.
GestureConfigId	True	UInt	Identifies the gesture configuration used	TC_W69_04
			for this widget.	
			Gesture configurations are registered at	
			start-up and attached to widgets using	
			numerical ids (0 is used for the default	
			configuration defined in the widget).	
			For more information please read the	
			gesture configuration chapter in the	
1.1207111	T	D 1	widget user guide.	Towns 1 No.
InheritEnabled	True	Bool	If true then this widget is considered	Ignored: Not
			effectively enabled only if both local Enabled and the value inherited from the	tested
				because this
			ancestor EnableGroupWidget2D are true.	property is inherited and
			If this widget has no EnableGroupWidget2D ancestor or	not specific
			InheritEnabled is false then only the local	to this
			Enabled is used.	Widget.
Name	False	CharAr	rayThe name of the widget instance	widget.
Node	False	Node2E		
PinchSpread	True	Bool	Enable pinch and spread gesture	Ignored: Not
1 110115 p 2 0 110	1100	2001	detection	tested
				because this
				property is
				inherited and
				not specific
				to this
				Widget.
PressHold	True	Bool	Enable hold gesture detection	TC_W69_01
PressRepeat	True	Bool	Enable repeat gesture detection	TC_W69_01
RawTouch	True	Bool	Enable raw touch coordinate routing	Ignored: Not
			(mainly for hand writing recognition)	tested
				because this
				property is
				inherited and
				not specific
				to this
Rotate	True	Bool	Enable rotate resture detection	Widget.
Rotate	True	DOOL	Enable rotate gesture detection	Ignored: Not tested
				because this
				property is
				inherited and
				not specific
				to this
				Widget.
Swipe	True	Bool	Enable swipe gesture detection	TC_W69_03
SwipeDirection	False	Enum	Direction in which swipe should be	_ = ===================================
			detected	
Tap	True	Bool	Enable press and tap gesture detection	TC_W69_01

TouchPriority	True	UInt	Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.
Touchable	True	Bool	Widget is Touchable or not	TC_W69_02
UserData	True	UInt	Together with the view and the widget identifier, this user data is a parameter to many messages posted by the widgets which can be used in the state machine or in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	Ignored: The infrastructure is in the base widget, No extra information to store here.
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W69_09
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subsci	i ll0es cription	Members	Distrib	น น็อร t
					Scope
DragGestureMsg	Contro Model		Event: enGes- tureEvent::Enum	1 -	ti alC_W 69_0
			Coordinate1X: Courier::Int.		
			Coordinate1Y: Courier::Int.		
			Velocity1X: Courier::Int.		
			Velocity1Y: Courier::Int. +		

GestureMsg	Timestamp:	seguent	i l gnored:
	Courier::Int. +		Can't be
			manipu-
			lated for
			automa-
			tion
			testing.
PinchSpreadGesture Margoller,	Event: enGes-	sequent	i l gnored:
Model	tureEvent::Enum.		Can't be
			manipu-
	Coordinate1X:		lated for
	Courier::Int.		automa-
			tion
	Coordinate1Y:		testing.
	Courier::Int.		
	Coordinate2X:		
	Courier::Int.		
	Constitution (2007)		
	Coordinate2Y:		
Potesta Control May Control llor	Courier::Int. + Event: enGes-		:T1
RotateGestureMsg Controller, Model	tureEvent::Enum.	sequent	i l gnored: Can't be
Model	tureEventEnum.		manipu-
	Angle:		lated for
	Courier::Int16.		automa-
	Councimero.		tion
	Coordinate1X:		testing.
	Courier::Int.		
	Coordinate1Y:		
	Courier::Int.		
	Coordinate2X:		
	Courier::Int.		
	Coordinate2Y:		
	Courier::Int. +		
SwipeGestureMsg Controller,	Velocity1X:	sequent	i al C_W69_03
Model	Courier::Int.		
	37.1 % 137		
	Velocity1Y:		
	Courier::Int.		
	Velocity2X:		
	Courier::Int.		
	Courieriiit.		
	Velocity2Y:		
	Courier::Int.		
	Courieriiic.		
	Velocity3X:		
	Courier::Int.		
	Comment.		
	Velocity3Y:		
	Courier::Int. +		

TapGestureMsg	Contro	ller,	Event: en-	sequen	ti alC_W 69_01
	Model		TapEvent::Enum.		
			Coordinate1X:		
			Courier::Int.		
			Coordinate1Y:		
			Courier::Int. +		

GizmoWidget2D

Name: GizmoWidget2D

Description: Provides support to move, resize and rotate nodes. This is a delegate widget and its behavior is controlled by a widget controller attached using the property ControllerId. The default gizmo controller uses the gizmo nodes from the property Nodes which are configured with the property GizmoEditModes (these 2 array properties need to have the same number of entries because there is a one to one mapping between gizmo nodes and gizmo edit modes). Two colors are used by the default gizmo controller: 1st color is set on gizmo nodes when no node is touched, 2nd color is used when at least one node is touched. Rotation is not supported together with move and resize by the default gizmo controller.

Category: Gesture

Name	Bind able	Type	Description	Test Scope
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies the id of the appearance responsible to change, based on widget state (enabled, pressed, active, focused), the images and the colors for the widget node and the descendant nodes. The appearances are registered at start-up.	Ignored: Under devel- opment.
ColorIndex	True	UInt	Index of the color to be used if the gizmo is not pressed.	Ignored: Not tested because this property is inherited and not specific to this Widget.
Colors	True	Color	Colors used for different states (normal, pressed, warning, etc).	Ignored: Not suggested to be changed during run time.

ControllerId	True	Short	Identifies the controller attached to this widget1 no controller is attached; 0 default controller for the class is attached (used for derived classes); 1n id of a controller registered at start-up;	Ignored: Id of a controller registered at start-up. It cant be changed during run time.
DisabledTouching	True	Bool	Widget can be touched also when it is disabled.	Ignored: Not tested because this property is inherited and not specific to this Widget.
DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The TTFis simulation for the gesture action is not ready yet.
Drag	True	Bool	Enable drag gesture detection	TC_W70_02
DragDirection	False	Enum	Direction in which drag should be detected	TC_W70_02
DragDropDestinationEnabled DragDropSourceEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation. Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet. Ignored: The TTFis
				simulation for the gesture action is not ready yet.
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	TC_W70_08
FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.

FocusOrder	True Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False Node	2D Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	
Focusable	True Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not ready yet.
GestureConfigId	True UInt	Identifies the gesture configuration used for this widget. Gesture configurations are registered at start-up and attached to widgets using numerical ids (0 is used for the default configuration defined in the widget). For more information please read the gesture configuration chapter in the widget user guide.	TC_W70_04
GizmoEditModes	True Byte	Edit modes used for the gizmo nodes. The enum array properties are not working due to a bug in SceneComposer so we have to use integers. 0 - None 1 - DragTranslateX 3 - DragTranslateY 5 - DragResizeRight 6 - DragResizeLeft 7 - DragResizeBottom 8 - DragResizeTop 9 - DragRotateClockwise 10 - DragRotateAntiClockwise 11 - PinchSpreadX 12 - PinchSpreadY	Ignored: Registered at start-up, should not be changed during run time.
InheritEnabled	True Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: Not tested because this property is inherited and will be tested with Enabled-GroupWidget.

KeepAspectRatio	True	Bool	Preserves the aspect ratio while resizing using PinchSpread gestures. The aspect ratio is calculated from the Size property when the touch session starts.	Ignored: require using PinchSpread which not supported on TTFis.
LimitArea	True		leLimits the movement and the size of the node.	Ignored: The application use them to initialize the widget, not suggested to be changed during runtime.
MaximumSize	True	Vector2	Maximum size of the node.	Ignored: The application use them to initialize the widget, not suggested to be changed during runtime.
MinimumSize	True	Vector2	Minimum size of the node.	Ignored: The application use them to initialize the widget, not suggested to be changed during runtime.
Name	False	CharArı	ayThe name of the widget instance	
Node	False	Node2D	The associated node of the widget.	
Nodes	True		Each node should have an edit mode associated by property GizmoEditMode. See the widget tooltip.	Ignored: Registered at start-up, should not be changed during run time.
PinchSpread	True	Bool	Enable pinch and spread gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.

PressHold		ector2	Position of the node. Enable hold gesture detection	Ignored: The application use them to initialize the widget, not suggested to be changed during runtime. TC_W70_03
PressRepeat	True B	ool	Enable repeat gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
RawTouch	True B	ool	Enable raw touch coordinate routing (mainly for hand writing recognition)	Ignored: Not tested because this property is inherited and not specific to this Widget.
Rotate	True B	ool	Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
Rotation		loat	Rotation of the node. In order to have the rotation against the center of the node the PivotOffset must be set accordingly.	Ignored: Not tested because this property is inherited and not specific to this Widget.
Size	True V	ector2	Size of the node. The node must have StretchBehaviour set to Fill.	Ignored: The application use them to initialize the widget, not suggested to be changed during runtime.

Swipe	True	Bool	Enable swipe gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
SwipeDirection	False	Enum	Direction in which swipe should be detected	
Тар	True	Bool	Enable press and tap gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
TouchPriority	True	UInt	Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.
Touchable	True	Bool	Widget is Touchable or not	TC_W70_01
UserData	True	UInt	Together with the view and the widget identifier, this user data is a parameter to many messages posted by the widgets which can be used in the state machine or in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	Ignored: The infrastructure is in the base widget, No extra information to store here.
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W70_09
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	Ignored: Not tested because this property is inherited and not specific to this Widget.

Name	Subscr	iH des cription Members	Distrib	u ffost
				Scope
GizmoUpdMsg	Model	Position: Can dera::Vector2	1 -	tialC_W70_1
		Size: Candera::Vector2		
		Rotation: Courier::Floa	t.	
		Completed: bool.		
		Event: enGes tureEvent::En +		

GridAutoArrangeWidget2D

Name: GridAutoArrangeWidget2D

Description: DEPRECATED! Don't use this widget! Instead use the GridAutoArangment property of the group. Auto arranges

the children of a group with Grid layouter

Category: Deprecated

Name	Bind	Туре	Description	Test Scope
	able			
Enable	True	Bool	Enables this widget. Some widgets (for	
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
InheritEnabled	True	Bool	If true then this widget is considered	
			effectively enabled only if both local	
			Enabled and the value inherited from the	
			ancestor EnableGroupWidget2D are true.	
			If this widget has no	
			EnableGroupWidget2D ancestor or	
			InheritEnabled is false then only the local	
			Enabled is used.	
Name	False	CharArı	ayThe name of the widget instance	
Node	False	Node2D	The associated node of the widget.	
Visible	True	Bool	Configures the node property	
			EnableRendering which is used to	
			determine if the node is rendered or not.	
			A node is effectively rendered if it and all	
			its ancestors have rendering enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	

VisibleEnabled	False	Bool	Enables the configuration of the node
			property EnableRendering which is used
			to determine if the node is rendered or
			not. A node is effectively rendered if it
			and all its ancestors have rendering
			enabled.
			Please notice that if the same property of
			a node is set from multiple sources then
			the result is unpredictable.

Name	Subscribion Subscription	Members	Distribu llost	
			Scope	

HandWriting_Util_Widget2D

Name: HandWriting_Util_Widget2D

Description: HandWritingRecognition widget

Category: Input

Name	Bind	Туре	Description	Test Scope
AccessMode	True	Enum	DynamicImgReadWrite status	Ignored: Andrei confirm that
				was not completely imple- mented.
AddLineListWidget	False	Widget	Input the LineList3D widget	
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies	Ignored:
			the id of the appearance responsible to	Under
			change, based on widget state (enabled,	development
			pressed, active, focused), the images and	
			the colors for the widget node and the	
			descendant nodes. The appearances are	
			registered at start-up.	
CharacterCompletionTime	False	UInt	CharacterCompletionTime:	TC_W41_01
			Courier::UInt32	
CharactersToPredictedWord	True	custom:	//String the characters entered in edit field	TC_W41_02
			by user, which will be used to precdited	
			words, IsBindable = true,	
			Type=FeatStd::String	

ControllerId	True	Short	Identifies the controller attached to this widget1 no controller is attached; 0 default controller for the class is attached (used for derived classes); 1n id of a controller registered at start-up;	Ignored: Id of a controller registered at start-up. It cant be changed during run time
DisabledTouching	True	Bool	Widget can be touched also when it is disabled.	Ignored: Andrei confirmed this property only works for Button and Slider. It has nothing to do with touching them.
DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The TTFis simulation for the gesture action is not ready yet.
Drag	True	Bool	Enable drag gesture detection	Ignored: HandWritingWidget2D does not support to test this property. No reaction on touching in the drawing area when Drag is enabled.
DragDirection	False	Enum	Direction in which drag should be detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.

Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	TC_W41_08
FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	
Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not ready yet.
GestureConfigId	True	UInt	Identifies the gesture configuration used for this widget. Gesture configurations are registered at start-up and attached to widgets using numerical ids (0 is used for the default configuration defined in the widget). For more information please read the gesture configuration chapter in the widget user guide.	Ignored: HandWritingWidget2D does not support to test gesture simulations.
IncludeGestureRecognition	False	Bool	Include Range to recognize gestures	
IncludeLatinLowerCaseLetters	False	Bool	Recognize Latin LowerCase Letters	
IncludeLatinUpperCaseLetters	False	Bool	Recognize Latin UpperCase Letters	
IncludeNumbers	False	Bool	Recognize Numbers also	
IncludeSymbols	False	Bool	Recognize symbols also	

InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: This property is dependent on Enable- GroupWid- get2D, so it will be tested in En- ableGroup- Widget2D section.
IntelligentPredictionMode	False	Enum	Set the IntelligentPrediction mode for	section.
5			recognizing the characters and words	
Language	False	Enum		
LineColor	False	Color	LineColor : Candera::Color	
LineWidth	False	Float	LineWidth : Courier::Float	
Name	False		a)The name of the widget instance	
Node	False	Node2I	The associated node of the widget.	
PinchSpread	True	Bool	Enable pinch and spread gesture	Ignored: Not
			detection	tested
				because this
				property is
				inherited and
				not specific
				to this
				Widget.
PredictedWordsSourcePointer	True	HWR	Shared pointer instance of the	Ignored:
		Wid-	HDRBackEndInterface	Andrei
		get		confirm that
		back		this feature
		end		was not
		inter-		completely
		face		imple-
				mented.
PressHold	True	Bool	Enable hold gesture detection	Ignored:
				HandWrit-
				ingWid-
				get2D does
				not support
				to test this
				property. No
				reaction on
				touching in
				the drawing
				area when
				PressHold is
	I	1		enabled.

PressRepeat	True	Bool	Enable repeat gesture detection	Ignored: HandWritingWidget2D does not support to test this property. No reaction on touching in the drawing area when PressRepeat is enabled.
PriorityMode	False	Enum	Set the Priority mode for recognizing the characters	
RawTouch	True	Bool	Enable raw touch coordinate routing (mainly for hand writing recognition)	Ignored: Not tested because this property is inherited and not specific to this Widget.
Rotate	True	Bool	Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
Swipe	True	Bool	Enable swipe gesture detection	Ignored: HandWritingWidget2D does not support to test this property. No reaction on touching in the drawing area when Swipe is enabled.
SwipeDirection	False	Enum	Direction in which swipe should be detected	
Tap	True	Bool	Enable press and tap gesture detection	
TouchPriority Touchable	True	UInt	Increase this priority to handle touch message for this widget before widgets with a lower priority Widget is Touchable or not	Ignored: Not tested because this property is inherited and not specific to this Widget. TC_W41_07

UserData	True	UInt	Together with the view and the widget identifier, this user data is a parameter to many messages posted by the widgets which can be used in the state machine or in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	Ignored: The infrastructure is in the base widget, No extra information to store here.
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W41_09
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscr	ib les cription	Members	Distrib	u ifost
					Scope
HWR_Candidate	U jMatt el	Update the list of predited words.	Candidate_Char:		TC_W41_02
			Courier::Char*"		
			pointer="true.		
			+		
HWR_TextWidge	t Wybokalee	Update the recognized character shown on drawing	HWR_TextData:		TC_W41_02
		area.	Can-		
			dera::String.		
			+		

ImageEffectWidget2D

Name: ImageEffectWidget2D

Description: Controls the bitmap property of the existing bitmap brush of a render node.

Category: Image

Name	Bind able	Туре	Description	Test Scope
Bitmap	True	Image2	D Bitmap to be set on the	TC_W12_01
			BitmapBrushEffect inside the	
			RenderNode.	
Color	True	Color	Color to be set on the effect of the	TC_W12_02
			RenderNode.	
Enable	True	Bool	Enables this widget. Some widgets (for	Ignored: Not
			example button) use this property while	tested
			others ignore it.	because this
			If InheritEnabled is true then this widget	property is
			is considered effectively enabled only if	inherited and
			both local Enabled and the value	not specific
			inherited from the ancestor	to this
			EnableGroupWidget2D are true.	Widget.
InheritEnabled	True	Bool	If true then this widget is considered	Ignored: Not
			effectively enabled only if both local	tested
			Enabled and the value inherited from the	because this
			ancestor EnableGroupWidget2D are true.	property is
			If this widget has no	inherited and
			EnableGroupWidget2D ancestor or	will be
			InheritEnabled is false then only the local	tested with
			Enabled is used.	Enabled-
				GroupWid-
				get
Name	False	CharAr	ra)The name of the widget instance	
Node	False	Node2I	The associated node of the widget.	

Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W12_09
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscribes cription	Members	Distribu ffest
			Scope

ImageSwitchWidget2D

Name: ImageSwitchWidget2D

Description: Controls the bitmap property of the existing bitmap brush of a render node based on an index.

Category: Image

Name	Bind	Type	Description	Test Scope
	able			
Bitmap0	False	Image2	D Bitmap to be set on the existing	
			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap1	False	Image2	D Bitmap to be set on the existing	
			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap10	False	Image2	D Bitmap to be set on the existing	
_			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap11	False	Image2	D Bitmap to be set on the existing	
•			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap12	False	Image2	D Bitmap to be set on the existing	
•			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap13	False	Image2	D Bitmap to be set on the existing	
•			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap14	False	Image2	D Bitmap to be set on the existing	
•			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap15	False	Image2	D Bitmap to be set on the existing	
•			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap16	False	Image2	D Bitmap to be set on the existing	
.	- 3332		BitmapBrushEffect of the associated	
			RenderNode.	

Bitmap17	False	Image2D Bitmap to be set on the existing
-		BitmapBrushEffect of the associated
		RenderNode.
Bitmap18	False	Image2D Bitmap to be set on the existing
1		BitmapBrushEffect of the associated
		RenderNode.
Bitmap19	False	Image2D Bitmap to be set on the existing
1		BitmapBrushEffect of the associated
		RenderNode.
Bitmap2	False	Image2D Bitmap to be set on the existing
1		BitmapBrushEffect of the associated
		RenderNode.
Bitmap20	False	Image2D Bitmap to be set on the existing
		BitmapBrushEffect of the associated
		RenderNode.
Bitmap21	False	Image2D Bitmap to be set on the existing
21p21	1 4130	BitmapBrushEffect of the associated
		RenderNode.
Bitmap22	False	Image2D Bitmap to be set on the existing
Billiap22	Tuise	BitmapBrushEffect of the associated
		RenderNode.
Bitmap23	False	Image2D Bitmap to be set on the existing
Ditmap23	1 disc	BitmapBrushEffect of the associated
		RenderNode.
Bitmap24	False	Image2D Bitmap to be set on the existing
Винар24	Taise	BitmapBrushEffect of the associated
		RenderNode.
Bitmap25	False	Image2D Bitmap to be set on the existing
Винар23	Taise	BitmapBrushEffect of the associated
		RenderNode.
Bitmap26	False	Image2D Bitmap to be set on the existing
ышпар20	raise	BitmapBrushEffect of the associated
		RenderNode.
D:427	False	Image2D Bitmap to be set on the existing
Bitmap27	raise	
		BitmapBrushEffect of the associated
D:420	False	RenderNode.
Bitmap28	raise	Image2D Bitmap to be set on the existing
		BitmapBrushEffect of the associated
D'4 20	F.1.	RenderNode.
Bitmap29	False	Image2D Bitmap to be set on the existing
		BitmapBrushEffect of the associated
D':		RenderNode.
Bitmap3	False	Image2D Bitmap to be set on the existing
		BitmapBrushEffect of the associated
Div. 20		RenderNode.
Bitmap30	False	Image2D Bitmap to be set on the existing
		BitmapBrushEffect of the associated
		RenderNode.
Bitmap31	False	Image2D Bitmap to be set on the existing
		BitmapBrushEffect of the associated
		RenderNode.
Bitmap32	False	Image2D Bitmap to be set on the existing
		BitmapBrushEffect of the associated
		RenderNode.

Bitmap33	False	Image2	Bitmap to be set on the existing BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap34	False	Image2	D Bitmap to be set on the existing	
Бинарэч	1 disc	Imagez	BitmapBrushEffect of the associated	
			RenderNode.	
Ditmom25	False	Imaga2		
Bitmap35	raise	Image 2	D Bitmap to be set on the existing	
			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap36	False	Image2	Bitmap to be set on the existing	
			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap37	False	Image2	Bitmap to be set on the existing	
			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap38	False	Image2	Bitmap to be set on the existing	
			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap39	False	Image	D Bitmap to be set on the existing	
Бинарэ)	Taise	image 2.	BitmapBrushEffect of the associated	
			1 -	
D'4		T 2	RenderNode.	
Bitmap4	False	Image2	Bitmap to be set on the existing	
			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap40	False	Image2	Bitmap to be set on the existing	
			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap41	False	Image2	DBitmap to be set on the existing	
· · · r			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap42	False	Image?	DBitmap to be set on the existing	
Bitiliap42	Taisc	magcz	BitmapBrushEffect of the associated	
			RenderNode.	
D'4	F.1.	T		
Bitmap43	False	Image 2	D Bitmap to be set on the existing	
			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap44	False	Image2	Bitmap to be set on the existing	
			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap45	False	Image2	Bitmap to be set on the existing	
-			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap46	False	Image2	D Bitmap to be set on the existing	
Бинарчо	1 disc	Imagez	BitmapBrushEffect of the associated	
			RenderNode.	
Ditmon/7	T-1	Image		
Bitmap47	False	image 2	D Bitmap to be set on the existing	
			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap48	False	Image2	Bitmap to be set on the existing	
			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap49	False	Image2	Bitmap to be set on the existing	
-			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap5	False	Image?	Bitmap to be set on the existing	
- Imapo	1 disc	111111111111111111111111111111111111111	BitmapBrushEffect of the associated	
			RenderNode.	
			Kenuelinoue.	

Bitmap50				
			D Bitmap to be set on the existing BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap51	False	Image2	D Bitmap to be set on the existing	
Винарз і	T uise	magez	BitmapBrushEffect of the associated	
			RenderNode.	
Ditmon52	False	Imaga2		
Bitmap52	False	Image 2	D Bitmap to be set on the existing	
			BitmapBrushEffect of the associated	
		-	RenderNode.	
Bitmap53	False	Image2	DBitmap to be set on the existing	
			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap54	False	Image2	D Bitmap to be set on the existing	
			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap55	False	Image2	D Bitmap to be set on the existing	
			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap56	False	Image?	D Bitmap to be set on the existing	
Винарзо	Taise	magcz	BitmapBrushEffect of the associated	
5.		Y 0	RenderNode.	
Bitmap57	False	Image2	D Bitmap to be set on the existing	
			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap58	False	Image2	D Bitmap to be set on the existing	
			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap59	False	Image2	D Bitmap to be set on the existing	
			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap6	False	Image?	D Bitmap to be set on the existing	
Бинаро	1 disc	magcz	BitmapBrushEffect of the associated	
			RenderNode.	
D': 60	F 1	T 0		
Bitmap60	False	Image 2	D Bitmap to be set on the existing	
			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap61	False	Image2	D Bitmap to be set on the existing	
			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap62	False	Image2	D Bitmap to be set on the existing	
-			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap63	False	Image2	D Bitmap to be set on the existing	
	1 4150		BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap64	False	Imaga	D Bitmap to be set on the existing	
Б ішіаро ч	Taise	magez		
			BitmapBrushEffect of the associated	
Di 65		T	RenderNode.	
Bitmap65	False	Image2	D Bitmap to be set on the existing	
			BitmapBrushEffect of the associated	
			RenderNode.	
Bitmap66	False	Image2	D Bitmap to be set on the existing	
-			BitmapBrushEffect of the associated	
	1		RenderNode.	

Bitmap67	False	Image2D Bitmap to be set on the existing BitmapBrushEffect of the associated RenderNode.
Bitmap68	False	Image2D Bitmap to be set on the existing BitmapBrushEffect of the associated RenderNode.
Bitmap69	False	Image2D Bitmap to be set on the existing BitmapBrushEffect of the associated RenderNode.
Bitmap7	False	Image2D Bitmap to be set on the existing BitmapBrushEffect of the associated RenderNode.
Bitmap70	False	Image2D Bitmap to be set on the existing BitmapBrushEffect of the associated RenderNode.
Bitmap71	False	Image2D Bitmap to be set on the existing BitmapBrushEffect of the associated RenderNode.
Bitmap72	False	Image2D Bitmap to be set on the existing BitmapBrushEffect of the associated RenderNode.
Bitmap73	False	Image2D Bitmap to be set on the existing BitmapBrushEffect of the associated RenderNode.
Bitmap74	False	Image2D Bitmap to be set on the existing BitmapBrushEffect of the associated RenderNode.
Bitmap75	False	Image2D Bitmap to be set on the existing BitmapBrushEffect of the associated RenderNode.
Bitmap76	False	Image2D Bitmap to be set on the existing BitmapBrushEffect of the associated RenderNode.
Bitmap77	False	Image2D Bitmap to be set on the existing BitmapBrushEffect of the associated RenderNode.
Bitmap78	False	Image2D Bitmap to be set on the existing BitmapBrushEffect of the associated RenderNode.
Bitmap79	False	Image2D Bitmap to be set on the existing BitmapBrushEffect of the associated RenderNode.
Bitmap8	False	Image2D Bitmap to be set on the existing BitmapBrushEffect of the associated RenderNode.
Bitmap80	False	Image2D Bitmap to be set on the existing BitmapBrushEffect of the associated RenderNode.
Bitmap81	False	Image2D Bitmap to be set on the existing BitmapBrushEffect of the associated RenderNode.
Bitmap82	False	Image2D Bitmap to be set on the existing BitmapBrushEffect of the associated RenderNode.
Bitmap83	False	Image2D Bitmap to be set on the existing BitmapBrushEffect of the associated RenderNode.

Bitmap84	False	Image2D Bitmap to be set on the existing
1		BitmapBrushEffect of the associated
		RenderNode.
Bitmap85	False	Image2D Bitmap to be set on the existing
		BitmapBrushEffect of the associated
		RenderNode.
Bitmap86	False	Image2D Bitmap to be set on the existing
		BitmapBrushEffect of the associated
		RenderNode.
Bitmap87	False	Image2D Bitmap to be set on the existing
2 Turnap o r		BitmapBrushEffect of the associated
		RenderNode.
Bitmap88	False	Image2D Bitmap to be set on the existing
Виниров	T disc	BitmapBrushEffect of the associated
		RenderNode.
Bitmap89	False	Image2D Bitmap to be set on the existing
Бинаро	1 disc	BitmapBrushEffect of the associated
		RenderNode.
Bitmap9	False	Image2D Bitmap to be set on the existing
Бинару	1 alsc	BitmapBrushEffect of the associated
		RenderNode.
Bitmap90	False	Image2D Bitmap to be set on the existing
Бинарэо	Taise	BitmapBrushEffect of the associated
		RenderNode.
Bitmap91	False	Image2D Bitmap to be set on the existing
Бинарэт	Taise	BitmapBrushEffect of the associated
		RenderNode.
Bitmap92	False	Image2D Bitmap to be set on the existing
Bitinap 92	1 alsc	BitmapBrushEffect of the associated
		RenderNode.
Bitmap93	False	Image2D Bitmap to be set on the existing
Винарэ3	Taise	BitmapBrushEffect of the associated
		RenderNode.
Bitmap94	False	Image2D Bitmap to be set on the existing
Бинарэ4	Taise	BitmapBrushEffect of the associated
		RenderNode.
Bitmap95	False	Image2D Bitmap to be set on the existing
Винарэз	Taise	BitmapBrushEffect of the associated
		RenderNode.
Bitmap96	False	Image2D Bitmap to be set on the existing
ышар90	raise	BitmapBrushEffect of the associated
		RenderNode.
Pitman07	False	Image2D Bitmap to be set on the existing
Bitmap97	raise	
		BitmapBrushEffect of the associated RenderNode.
Ditmon00	E ₀ 1 _c =	Image2D Bitmap to be set on the existing
Bitmap98	False	
		BitmapBrushEffect of the associated RenderNode.
D:t00	T 1	
Bitmap99	False	Image2D Bitmap to be set on the existing
		BitmapBrushEffect of the associated
		RenderNode.

Count	True	UInt	Number of bitmaps.	Ignored: Using Count to validate the Index may cause problems during initialization when Count is set after the Index.
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	Ignored: This derived property is not used in ImageSwitch widget.
Index	True	UInt	Index of the selected bitmap.	TC_W11_01
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: Not tested because this property is inherited and will be tested with Enabled-GroupWidget
Name	False	CharArr	ayThe name of the widget instance	
Node	False		The associated node of the widget.	
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W11_09
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscrib@escription	Members	Distribu ifost
			Scope

LabelWidget2D

Name: LabelWidget2D

Description: UNDER DEVELOPMENT! Don't use this widget yet! Label widget capable for rendering text in 2D scenes, single

line and multiline.

Category: Under construction

Name	Bind	Type	Description	Test Scope
	able			
Enable	True	Bool	Enables this widget. Some widgets (for	
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
InheritEnabled	True	Bool	If true then this widget is considered	
			effectively enabled only if both local	
			Enabled and the value inherited from the	
			ancestor EnableGroupWidget2D are true.	
			If this widget has no	
			EnableGroupWidget2D ancestor or	
			InheritEnabled is false then only the local	
			Enabled is used.	
Name	False	CharAı	rayThe name of the widget instance	
Node	False		The associated node of the widget.	
Text	True	custom	://Sthingext to be displayedon the label	
TruncationText	False	custom	://Striumgation text to be rendered in UTF-8	
			encoding	

Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscribes cription	Members	Distribu ffest
			Scope

LineListWidget3D

Name: LineListWidget3D

Description: A Widget for Drawing a list of lines.

Category: Polygon

59.1 Property list

Name	Bind	Type	Description	Test Scope
	able			
Name	False	CharArı	a)The name of the widget instance	
Node	False	Node3E	The associated node of the widget.	

Name	Subscrib@escription	Members	Distribu ffost
			Scope

ListBindingWidget2D

Name: ListBindingWidget2D

Description: Implements the list binding. See the list widget documentation.

Category: List

Name	Bind able	Туре	Description	Test Scope
Enable	True	Bool	Enables this widget. Some widgets (for	
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
EnabledBindingIndex	False	Int	Binds the Enabled property of a widget to	
_			an integer value.	
InheritEnabled	True	Bool	If true then this widget is considered	
			effectively enabled only if both local	
			Enabled and the value inherited from the	
			ancestor EnableGroupWidget2D are true.	
			If this widget has no	
			EnableGroupWidget2D ancestor or	
			InheritEnabled is false then only the local	
			Enabled is used.	
ItemsBindingIndex	False	Int	Binds the property List.ListId to an	
			integer value. It can also be used to fill a	
			sublist with a vector data. See the list	
			widget user guide.	
Name	False	CharAı	raThe name of the widget instance	
NameBindingIndex	False	Int	Binds the Name property of a widget to a	
			text value.	
Node	False	Node2l	The associated node of the widget.	

SelectedBindingIndex	False	Int	Binds a widget property to an integer value. The following widget properties can be bound: Button.IsActive, ButtonGroup.ActiveIndex, Collapse.Collapsed, ColorSwitch.Index, ImageSwitch.Index, List.StartIndex, Switch.Index, TextColor.Active and Toggle.Enabled.
TextBindingIndex	False	Int	Binds the Text property of a widget to a text value. The following widgets support it: Text, Label, ScrollableText and TextArea.
UserDataBindingIndex	False	Int	Binds the UserData to an integer value.
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.

Name	Subscribescription	Members	Distribu ffost
			Scope

ListFixedPageMovementGapWidget2D

Name: ListFixedPageMovementGapWidget2D

Description: Inserts a gap inbetween pages during fixed page movement of teh list.

Category: List

Name	Bind able	Type	Description	Test Scope
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor	
GapSize	True	Int	EnableGroupWidget2D are true. The gap size in pizel for the white space that will be created between pages during	
InheritEnabled	True	Bool	list movement. If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	
Name	False	CharAı	CharArra The name of the widget instance	
Node	False	Node2	The associated node of the widget.	

Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscribes cription	Members	Distribu ffest
			Scope

ListItemAnimationMarkerWidget2D

Name: ListItemAnimationMarkerWidget2D *Description:* Controls the size property of a node.

Category: List

Name	Bind	Type	Description	Test Scope
	able			
Animation	False	Animati	ofThe animation to mark with a certain	
			type.	
AnimationType	True	Enum	The type to mark the animaton.	
Enable	True	Bool	Enables this widget. Some widgets (for	
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
InheritEnabled	True	Bool	If true then this widget is considered	
			effectively enabled only if both local	
			Enabled and the value inherited from the	
			ancestor EnableGroupWidget2D are true.	
			If this widget has no	
			EnableGroupWidget2D ancestor or	
			InheritEnabled is false then only the local	
			Enabled is used.	
Name	False	CharArr	a The name of the widget instance	
Node	False	Node2D	The associated node of the widget.	

Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.

Name	Subscribes cription	Members	Distribu ffest
			Scope

ListMovementAnimationsProviderWidget2D

Name: ListMovementAnimationsProviderWidget2D *Description:* Controls the size property of a node.

Category: List

Name	Bind	Type	Description	Test Scope
	able			
Enable	True	Bool	Enables this widget. Some widgets (for	
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
GoToDuration	True	UInt	The duration of the go to movement	
GoToExponent	True	Float	Exponent value for the exponential out	
			go to movement type.	
GoToType	True	Enum	The type of animation that is used when	
			the list is scrolled directly to a target item.	
InheritEnabled	True	Bool	If true then this widget is considered	
			effectively enabled only if both local	
			Enabled and the value inherited from the	
			ancestor EnableGroupWidget2D are true.	
			If this widget has no	
			EnableGroupWidget2D ancestor or	
			InheritEnabled is false then only the local	
			Enabled is used.	
ItemByItemDuration	True	UInt	The duration of the item by item	
•			movement	
ItemByItemExponent	True	Float	Exponent value for the exponential out	
			item by item movement type.	
ItemByItemType	True	Enum	The type of animation that is used when	
, , , , , , , , , , , , , , , , , , ,			the list is scrolled item by item.	

Name	False	CharArr	CharArra The name of the widget instance		
Node	False	Node2D	The associated node of the widget.		
PageByPageDuration	True	UInt	The duration of the page by page	П	
			movement		
PageByPageExponent	True	Float	Exponent value for the exponential out		
			page by page movement type.		
PageByPageType	True	Enum	The type of animation that is used when		
			the list is scrolled page by page.		
Visible	True	Bool	Configures the node property		
			EnableRendering which is used to		
			determine if the node is rendered or not.		
			A node is effectively rendered if it and all		
			its ancestors have rendering enabled.		
			Please notice that if the same property of		
			a node is set from multiple sources then		
			the result is unpredictable.		
VisibleEnabled	False	Bool	Enables the configuration of the node		
			property EnableRendering which is used		
			to determine if the node is rendered or		
			not. A node is effectively rendered if it		
			and all its ancestors have rendering		
			enabled.		
			Please notice that if the same property of		
			a node is set from multiple sources then		
			the result is unpredictable.		

Name	Subscrib Des cription	Members	Distribu ffost
			Scope

ListOverscrollWidget2D

Name: ListOverscrollWidget2D

Description: ListOverscrollWidget2D widget

Category: List

Name	Bind able	Туре	Description	Test Scope
DragAttenuationFactor	True	Float	It influences the Drag behavior when	
			overscrolling. Valid values are between	
			0.0 and 1.0. If the value is 0.0f then there	
			is no resistance, the list will follow the	
			finger pixel by pixel. If the value is 1.0f	
			then the drag will be fully attenuated, the	
			list will not move at all.	
Enable	True	Bool	Enables this widget. Some widgets (for	
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
InheritEnabled	True	Bool	If true then this widget is considered	
			effectively enabled only if both local	
			Enabled and the value inherited from the	
			ancestor EnableGroupWidget2D are true.	
			If this widget has no	
			EnableGroupWidget2D ancestor or	
			InheritEnabled is false then only the local	
			Enabled is used.	

MaxRelaxingSpeed	True	Float	Represents the initial speed for the relaxing movement if the overscroll distance would be equal to the viewport size. The speed is expressed in viewport ratio / seconds; for example, a speed equal to 0.5 means half of the viewport would be relaxed in one second.	
Name	False		a)The name of the widget instance	
Node	False	Node2I	The associated node of the widget.	
OnDrag	True	Bool	Enables or disables overscroll for drag	
OnSwipe	True	Bool	Enables or disables overscroll for swipe	
SwipeMaxDistanceFactor	True	Float	It influences the Swipe behavior when	
			overscrolling. Valid values are between	
			0.0 and 1.0. It represents the ratio of the	
			viewport size that could be reached when	
			overscrolling by swipe. If the drag	
			overscroll is already greater than this	
			distance, no additional overscrolling by	
			swipe is performed.	
Visible	True	Bool	Configures the node property	
			EnableRendering which is used to	
			determine if the node is rendered or not.	
			A node is effectively rendered if it and all	
			its ancestors have rendering enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	

Name	Subscrib@escription	Members	Distribu ffost
			Scope

ListScrollAnchorWidget2D

Name: ListScrollAnchorWidget2D

Description: ListScrollAnchorWidget2D widget

Category: List

Name	Bind	Type	Description	Test Scope
	able			
AnchorData	False	Enum	Whether the anchor position refers to a	
			row or a column	
AnchorPosition	False	Enum	Position of the anchor, either First,	
			Center or Last	
Enable	True	Bool	Enables this widget. Some widgets (for	
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
InheritEnabled	True	Bool	If true then this widget is considered	
			effectively enabled only if both local	
			Enabled and the value inherited from the	
			ancestor EnableGroupWidget2D are true.	
			If this widget has no	
			EnableGroupWidget2D ancestor or	
			InheritEnabled is false then only the local	
			Enabled is used.	
Name	False	CharAr	a)The name of the widget instance	
Node	False	Node2I	The associated node of the widget.	

Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.

Name	Subscribes cription	Members	Distribu ffest
			Scope

ListSpeedAnimationWidget2D

Name: ListSpeedAnimationWidget2D

Description: ListSpeedAnimationWidget2D widget

Category: List

Name	Bind able	Туре	Description	Test Scope
AccelerationTransitionTimeFraction	False	Float	The fraction of the page by page animation time that the transition to the acceleration state will take	
BehindItemFactor	False	Float	Scroll speed factor that will be applied for items behind the reference item/colum - will be multiplied with the delta to the touched item/column.	
DecelerationTransitionTimeFraction	False	Float	The fraction of the page by page animation time that the transition to the deceleration state will take	
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	

MaxSpeed	False	Int	The maximum speed that will be considered. Speeds exceding this value	
			will be limited to it.	
Name	False		ra)The name of the widget instance	
Node	False		The associated node of the widget.	
ReferenceItemFactor	False	Float	Scroll speed factor that will be applied	
			for the reference item/column.	
TouchAsReference	False	Bool	Whether the touched item is considered	
			as reference or not while applying the	
			below factors. If this is set to false, the	
			leading item in the direction of the	
			movement will be considered the	
			reference item.	
Visible	True	Bool	Configures the node property	
			EnableRendering which is used to	
			determine if the node is rendered or not.	
			A node is effectively rendered if it and all	
			its ancestors have rendering enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	

Name	Subscrib@escription	Members	Distribu ffost
			Scope

ListWidget2D

Name: ListWidget2D

Description: Provides support for creating lists of elements. See the list widget documentation.

Category: List

Name	Bind able	Туре	Description	Test Scope
AcceptImmediatePositioning	True	Bool	If set to true, immediate positioning is	
			taken into consideration. Please check	
			the other properties to enable immediate	
			positioning for different events.	
AcceptImmediatePositioningOnFirstApper	anErcue	Bool	If set to true, the first ListChangeMsg	
			with ListChangeSet that is received after	
			rendering is enabled for the view and if	
			immediate positioning is activated, then	
			the position is set to the received value	
			without using an animation; further	
			position setting uses an animation. If set	
			to false, then the immediat positioning is	
			ignored and the animation is always used	
			to scroll to the given position.	
Accept Immediate Positioning On Item Scroll	True	Bool	If set to true, if a ListChangeMsg with	
			ListChangeDown or ListChangeUp is	
			received and immediate positioning is	
			activated, then the position is set to the	
			received value without using an	
			animation. If set to false, then the	
			immediate positioning is ignored and the	
			animation is always used to scroll to the	
			given position.	

Accept Immediate Positioning On Page Scroll	True	Bool	If set to true, if a ListChangeMsg with ListChangePageDown or ListChangePageUp is received and immediate positioning is activated, then the position is set to the received value without using an animation. If set to false, then the immediat positioning is ignored and the animation is always used to scroll to the given position.	
AcceptImmediatePositioningOnPositionSet	True	Bool	If set to true, if a ListChangeMsg with ListChangeSet is received and immediate positioning is activated, then the position is set to the received value without using an animation. If set to false, then the immediat positioning is ignored and the animation is always used to scroll to the given position.	
AnimationOffset	False	Short	Offset from first visible item to the position of the first animated item, give a negative value for the offset to the first invisible item of the list	
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies the id of the appearance responsible to change, based on widget state (enabled, pressed, active, focused), the images and the colors for the widget node and the descendant nodes. The appearances are registered at start-up.	Ignored: Under development
AutoViewportSize	False	Bool	If enabled, the size of the viewport will be calculated as NumberOfItems multiplied with the size of the InvalidItemTemplate. This is done for the direction of scrolling; the other direction will remain unmodified.	
BufferSize	True	UInt	Used for windowed data. The buffer size of the elements requested prior and after the visible ones.	TC_W26_10
CachedLayout	False	Bool	Caches the layout of the list entries, if set to true the layout calculation is done only once for each list item and than cached.	
ConfigureFocusGroup	True	Bool	Focus group is configured explicitelly or uses default configuration.	Ignored: The TTFis simulation for the gesture action is not ready yet.
Coverflow	True	Short	Identifies the controller attached to this widget1 no controller is attached; 0 default controller for the class is attached (used for derived classes); 1n id of a controller registered at start-up; True if the list is a coverflow.	Ignored: Id of a controller registered at start-up. It cant be changed during run time

CustomAnimationsGroupNode	False	Node2I	Root node of animated nodes that are	
Custom immunons Group i touc	Taise	1100022	placeholders for the real items in the list.	
			The animated properties will be aplied to	
			the nodes that will be added by the list to	
			the ItemsNode.	
CustomListAnimations	False	Animat	iorArray of animations for all visible list	
Customerst minations	1 disc	/ XIIIIIat	elements.	
DefaultFocusOrder	True	Short	Focus order of the element which should	Ignored: The
Definition of the state of the	1140	Shore	become focused when this group	TTFis
			becomes active.	simulation
			secomes active.	for the
				gesture
				action is not
				ready yet.
DisabledTouching	True	Bool	Widget can be touched also when it is	Ignored: Not
Disabled fodelling	Truc	Door	disabled.	tested
			disabled.	because this
				property is
				inherited and
				not specific
				to this
				Widget.
DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The
Double Tap	Truc	Door	Enable double tap gesture detection	TTFis
				simulation
				for the
				gesture
				action is not
				ready yet.
Drag	True	Bool	Enable drag gesture detection	TC_W26_04
DragAndSwipeOnNeed	True	Bool	If true then drag and swipe will be	TC_W26_11
			dynamically disabled when a new touch	
			session starts if all items are visible.	
DragDirection	False	Enum	Direction in which drag should be	
	- 3,22,2		detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the	Ignored: The
			target of a drag and drop operation.	TTFis
				simulation
				for the
				gesture
				gesture action is not
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the	gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	gesture action is not
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	gesture action is not ready yet. Ignored: The TTFis
DragDropSourceEnabled	True	Bool		gesture action is not ready yet. Ignored: The TTFis simulation
DragDropSourceEnabled	True	Bool		gesture action is not ready yet. Ignored: The TTFis simulation for the
DragDropSourceEnabled	True	Bool		gesture action is not ready yet. Ignored: The TTFis simulation for the gesture
DragDropSourceEnabled	True	Bool		gesture action is not ready yet. Ignored: The TTFis simulation for the gesture action is not
			source of a drag and drop operation.	gesture action is not ready yet. Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled DynamicGrid	True	Bool	source of a drag and drop operation. Whether or not the grid is automatically	gesture action is not ready yet. Ignored: The TTFis simulation for the gesture action is not
			source of a drag and drop operation.	gesture action is not ready yet. Ignored: The TTFis simulation for the gesture action is not ready yet.

Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	TC_W26_08
ExpandAutoScroll	True	Bool	Wether or not expand animations scroll the list so that the expanded item fully fits inside the viewport.	
FixedPageScrolling	True	Bool	Works only of all the data is available(no windowed data). Should be used only with small lists. If set to true, the pages always start at a fix position, similar to a book. If set to false, the pages are always considered relative to the current start index.	TC_W26_07
FixedPageScrollingOffset	True	Float	Percentage of the viewport needed to be scrolled/swiped with the touch in order to go to the next/previous page.	TC_W28_04
FocusAnchorId	True	UInt		Ignored: Not available in CGI config- uration, not mentioned in user guide
FocusAnchorMode	False	Enum		
FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusLayer	True	Short	Specifies to which focus layer this group belongs. There should be distinct layers for main surface screens, subspeller, popups to prevent focusing of elements in the main screen when a popup is displayed. Only elements in the groups with the highest layer will be focused.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	

FocusWrapAround	True	Bool	Focus wraps around to first/last element.	Ignored: The TTFis simulation for the gesture action is not ready yet.
Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusedIndex	True	Int	The index of the currently focused item.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusedNode	False	Node2D	The node that will highlight the focused node.	
GestureConfigId	True	UInt	Identifies the gesture configuration used for this widget. Gesture configurations are registered at start-up and attached to widgets using numerical ids (0 is used for the default configuration defined in the widget). For more information please read the gesture configuration chapter in the widget user guide.	TC_W28_02
IgnoreListChangeMsg	False	Enum	Defines when the ListChangeMsg will be ignored douring the list scrolling or swiping	
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: Not tested because this property is inherited and will be tested with Enabled-GroupWidget
InvalidItemTemplate	False	Node2D	Template used for not yet available data or if no other template is found for some data.	
ItemsNode	False	Node2D	The list items will be added as children of this node.	
LimitExceededDownAnimation	False	Animati	orAnimation that is played when the user wants to exceed the list on bottom. It is only played if LimitExceededDownAnimationType is CustomAnimation or circular scrolling is not enabled.	

LimitExceededDownAnimationTime	True	UInt	Defines the how much time (ms) the exceeded down animation takes.	
LimitExceededDownAnimationType	True	Enum	Sets the kind of animation that will be played if the lists limit is exceeded on bottom of the list.	Ignored: Not tested because focus states are not supported in the test app.
LimitExceededDownBounceAmplitude	True	Vector2	Amplitude vector used for generating the margin bounce animation.	Ignored: It is related to animation, cannot test by automation.
LimitExceededUpAnimation	False		orAnimation that is played when the user wants to exceed the list on top. It is only played if LimitExceededUpAnimationType is CustomAnimation or circular scrolling is not enabled.	
LimitExceededUpAnimationTime	True	UInt	Defines the how much time (ms) the exceeded up animation takes.	
LimitExceededUpAnimationType	True	Enum	Sets the kind of animation that will be played if the lists limit is exceeded on top of the list.	Ignored: Not tested because focus states are not supported in the test app.
LimitExceededUpBounceAmplitude	True	Vector2	Amplitude vector used for generating the margin bounce animation.	Ignored: It is related to animation, cannot test by automation.
LimitReachedDownAnimation	False		orAnimation that is played when the user reaches the list on top during swipe, scroll or set. It is only played if LimitReachedDownAnimationType is CustomAnimation or circular scrolling is not enabled.	
LimitReachedDownAnimationTime	True	UInt	Defines the how much time (ms) the reached down animation takes.	TC_W29_07
LimitReachedDownAnimationType	True	Enum	Sets the kind of animation that will be played if the lists limit is reached during swipe, scroll or set on bottom of the list.	TC_W29_06
LimitReachedDownBounceAmplitude	True	Vector2	Amplitude vector used for generating the margin bounce animation.	Ignored: It is related to animation, cannot test by automation.

LimitReachedUpAnimation	False	Animation Animation that is played when the user reaches the list on top during swipe, scroll or set. It is only played if LimitReachedUpAnimationType is CustomAnimation or circular scrolling is not enabled.		
LimitReachedUpAnimationTime	True	UInt	Defines the how much time (ms) the reached up animation takes.	TC_W29_05
LimitReachedUpAnimationType			TC_W29_04	
		Amplitude vector used for generating the margin bounce animation.	Ignored: It is related to animation, cannot test by automation.	
ListAlignment	False	Enum	Only applicable for lists with less then the maximum number of visible items. If set to 'End' the items will be aligned at the end of the list.	
ListId	True	UInt	A unique identifier of the list that will be used to request data to the model and react to data sent from the model.	TC_W26_01
LockOutFixMovementOffset	False	Float	Offset in percent of the viewport required for LockOutType LockOutFixMovement.	
Name	False	CharAr	a)The name of the widget instance	
Node	False	Node2E	The associated node of the widget.	
NumberOfItems PageIndicationAccuracy	True	UInt	The number of items is only available for itemwise lists(PixelWiseScrollingEnabled set to false). For stack layouted lists it has the meaning of the number of elements that would be visible. For grid layouted lists it has the meaning of the number of columns(for horizontal scrolling) or rows(for vertical scrolling) that will be seen. The number of rows(for horizontal scrolling) or columns(for vertical scrolling) will be taken from the GridLayouter. Accuracy of the current page position	TC_W26_06
			indication.	
PinchSpread	True	Bool	Enable pinch and spread gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
PixelWiseAnimationTime	True	UInt	Time in ms to finish the pixel wise animation	

PixelWiseScrollingEnabled	True	Bool	If set to true, scrolling is done pixel by pixel, meaning that an item can be partially visible. If set to false, scrolling is done item by item; items ar always completely visible.	TC_W28_03
PostListChanged	False	Bool	If true, the list will post a ListChangedUpdMsg message everytime the first visible index changes.	
PreparedItemsBufferSize	False	Byte	Number of additional items being prepared when the list is idle	
PreparedItemsUpdateTriggerOffset	False	Byte	Offset to the edge of the PreparedItemsBuffer - the prepared item buffer will be updated and old items discarded as soon as this offset is reached	
PreserveFocus	True	Bool	Current focused element is preserved when group becomes inactive.	Ignored: The TTFis simulation for the gesture action is not ready yet.
PreserveScrollIndex	False	Bool	If enabled, and the list is cached, the widget will remember the last scrolled position and set the same on re-entering the List View, unless set to a different value by the model.	
PressHold	True	Bool	Enable hold gesture detection	
PressRepeat	True	Bool	Enable repeat gesture detection	
RawTouch	True	Bool	Enable raw touch coordinate routing (mainly for hand writing recognition)	Ignored: Not tested because this property is inherited and not specific to this Widget.
Rotate	True	Bool	Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
ScrollAnimationInput	False	Enum	Input of scroll animation - Either pixel position or index of list items	
ScrollbarAlwaysVisible	True	Bool	If set to true, scrollbar is always visible, regardless if it's needed or not. If set to false, it's only visible if needed.	TC_W30_02
ScrollingOrientation	True	Enum	Scrolling orientation: vertical or horizontal	TC_W26_03
ScrollingType	False	Enum	Sets the way this list scrolls: Default beginning to end, continous or last page not filled.	
ShortPixelWiseAnimationTime	True	UInt	Short time in ms to finish the pixel wise animation; used when setting the position with a ListChangeSet request type	

ShowItemsOnViewActivated	False	Bool	Whether items are visible or not on view	
			shown, before receiving a ListCustomAnimationReqMsg.	
Snap	False	Enum	Specifies how the list should behave after	
Snap	Taise	Liluin	scrolling. SnapToEdge - List will snap to	
			the nearest edge, SnapToCenter - List	
CII.1177	F.1.	TIT	will snap to the center	
SnapHoldTime	False	UInt	Timeout in milliseconds, if reached no	
0.00		***	snapping will be done	
SnapOffsetThreshold	False	UInt	Threshold of offsetDelta = Abs(offsetTop	
			- offsetBottom) in pixels - if the offset	
			delta is smaller than the threshold the	
			snap will be done to the edge closer to the	
			touch position	
StartIndex	True	Int	The index of the first visible item.	TC_W26_02
			Negative indices are accepted in case of	
			circular scrolling.	
Swipe	True	Bool	Enable swipe gesture detection	TC_W26_05
SwipeDirection	False	Enum	Direction in which swipe should be	
•			detected	
SwipingAcceleration	True	Float	Acceleration used to slow down swiping	Ignored: Not
1 6				tested
				because this
				property is
				having a
				reported
				problem but
				the fix is not
				available.
				Kindly see
				in
				RTC_959172
SwipingDistanceThreshold	True	UInt	Deprecated. Please do not use this, as it	Ignored:
			will be removed in a future version.	Deprecated
			Minimum distance in display units	
			needed to drag in order to begin scrolling	
SwipingMaxDistance	True	Float	Maximum distance that can be covered	Ignored: Not
			within one swipe	tested
				because this
				property is
				having a
				reported
				problem but
				the fix is not
				available.
				Kindly see
				in
				RTC_959172
				KIC_9391/2

Swiping Timer Threshold Swiping Velocity Threshold	True	UInt	Minimum time in ms needed to press in order to focus an item Deprecated. Please do not use this, as it will be removed in a future version. Minimum velocity in display units/ms	Ignored: Not tested because this property is having a reported problem but the fix is not available. Kindly see in RTC_959172 Ignored: Deprecated
			needed to move with in order to begin	
Tap	True	Bool	Enable press and tap gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
TemplateGroup	False	Node2D	The parent of template nodes. Template nodes will be cloned based on the item needed to be displayed and the clone will be added to the ItemsNode.	
TemplateScrollAnimations	False	Animati	or Array of template animations for list scrolling.	
TouchPriority	True	UInt	Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.
Touchable	True	Bool	Widget is Touchable or not	TC_W26_08
UpdateTriggerOffset	True	UInt	Used for windowed data. The offset relative to the first or last visible item index, respectively used to request new data when reached.	TC_W26_10
UsableViewportPadding	False	Margin	Viewport offset for visible items in the list - useful in case the list is overlapped by some other content.	
UserData	True	UInt	Together with the view and the widget identifier, this user data is a parameter to many messages posted by the widgets which can be used in the state machine or in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	Ignored: The infrastructure is in the base widget, No extra information to store here.

Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W26_09
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscribes cription	Members	Distribu ffest
			Scope

ListAnimatedChan gaRw ql	MkgstAnimatedChangeReqMsg message is sent from the DM to the ListWidget to request animated	ListId: TC_W47_04
	movement for the list as well as triggering an external	
	synchronized animation. This message can be sent from an external component as a reaction to up/down hardware button presses or to software	ListChangeType: ListChangeType.
	buttons from a scrollbar for example. Properties:	Value: ::Courier::Int32.
	ListId: the id of the targeted list. ListChangeType: the type of the requested movement: ListChangeUp – moves the list backwards by Value	MovementDetails: ListMovement- Details.
	items ListChangeDown – moves the list forward by Value items ListChangePageUp – moves the list backward by	ExternalAnimationAction: Courier::AnimationAction::Enum" default- Value="Courier::AnimationAction::Start
	Value pages ListChangePageDown – moves the list forward by Value pages ListChangeSet – sets the position of the list to Value	ViewId: Courier::ViewId"
	Value: the amount of the move. MovementDetails ExternalAnimationAction: see AnimationReqMsg ViewId: see AnimationReqMsg	default- Value="Courier::ViewId(). CompositePath:
	CompositePath: see AnimationReqMsg AnimationId: see AnimationReqMsg	Courier::CompositePath" default-
	AnimationProperties: see AnimationReqMsg ListChangeMsgSource: the source of the message ImmediatePositioning: use no list animation for going to the required position	Value="Courier::CompositePath(). AnimationId: Courier::ItemId" default- Value="Courier::ItemId().
		AnimationProperties: Courier::AnimationProperties" default- Value="Courier::AnimationProperties().
		ListChangeMsgSource: ListChangeMs- gSourceType" default-
		Value="ListChangeMsgSourceUnknown
		ImmediatePositioning: bool" default- Value="false.
ListCacheReqMsg View	ListCacheReqMsg request is treated by the list widget to explicitly cache the visual item at the given index, after cloning, until explicitly	ListId: TC_W47_01 Courier::UInt32.
	requested to delete from cache	Index: Courier::UInt32.
		Cache: bool. +

T	* "	The state of the s	l x e x a	I me we at
ListChangeMsg	View	ListChangeMsg message is sent from the DM to the	ListId:	TC_W47_02
		ListWidget to request movement for the list. This	::Courier::UInt32.	
		message	I 'a Chamar T	
		can be sent from an external component as a reaction	ListChangeType:	
		to up/down hardware button presses or to software buttons from a scrollbar for example.	ListChangeType.	
		Properties:	Value:	
		ListId: the id of the targeted list.	::Courier::Int32.	
		Value: the amount of the move.	Couriermts2.	
		ListChangeType: the type of the requested	ListChangeMsgSource:	
		movement:	ListChangeMs-	
		ListChangeUp – moves the list backwards by Value	gSourceType"	
		items	default-	
		ListChangeDown – moves the list forward by Value	Value="ListChangeMsg	Source Unknown
		items	varue Listenangeivisg	Source Officiown.
		ListChangePageUp – moves the list backward by	ImmediatePositioning:	
		Value pages	bool" default-	
		ListChangePageDown – moves the list forward by	Value="false.	
		Value pages	+	
		ListChangeSet – sets the position of the list to Value		
ListChangedUpdM	1M odel		ListId:	TC_W47_03
	1130000	property is true and the first visible index has	::Courier::UInt32.	10_11.7_00
		changed. This message is posted to the model to		
		inform other components that the displayed content	MovementStatus:	
		of the list has changed., e.g FirstVisibleIndex	ListMove-	
		Properties:	mentSta-	
		listId: the id of the list that sends the message.	tusType.	
		MovementStatus: how is the list moving (finished		
		moving, item, page, set, scrolling, swiping)	ListSource:	
		Circular: true if the list is circular scrollable; false	ListChangeMs-	
		otherwise	gSourceType.	
		StartIndex:[deprecated] the new value of the first		
		visible index	Circular: bool.	
		FirstVisibleIndex: the new value of the first visible		
		index	StartIndex:	
		FirstItemFullyVisible: true if the first item is fully	::Courier::UInt32.	
		visible; false otherwise. If this is true,		
		it means that the FirstVisibleIndex represents also the	FirstVisibleIndex	
		start index of the list; if it's false,	::Courier::UInt32.	
		the start index should be FirstVisibleIndex+1		
		MinIndex: the value of the minimum possible value	FirstItemFullyVisible:	
		for the first visible index	bool.	
		MaxIndex: the value of the maximum possible value)	
		for the first visible index	MinIndex:	
		DataSequenceNumber: sequence number of the data	::Courier::UInt32.	
		used to prepare the visible items (see	M 7 1	
		ListDataProvider.getSequenceNumber)	MaxIndex:	
			::Courier::UInt32.	
			Data Casses - NT 1	
			DataSequenceNumber:	
			::Feat-	
			Std::SizeType.	
			PagePosition:	
			::Courier::Float.	
			+	
			Т	

ListContentUpdMsModel	ListContentUpdMsg is send by the ListWidget each time new data is received by either ListDataProviderResMsg or ListDataProviderUpdMsg DataSequenceNumber: sequence number of the data used to prepare the visible items (see ListDataProvider.getSequenceNumber)	ListId: Courier::UInt32. FirstVisibleIndex: Courier::UInt32. MaxFirstVisbleIndex: Courier::UInt32. DataSequenceNumber: ::Feat- Std::SizeType. +	TC_W47_08
ListCustomAnimat (Coultre)	MissigstCustomAnimationIndMsg message is posted when the animation is finished.	ListId: ::Courier::UInt32.	TC_W47_05
	MsigtCustomAnimationReqMsg message is treated by the list widget in order to play a custom animation given by it's name.	ListId: ::Courier::UInt32. Action: CustomListAnimationAction. +	TC_W47_05
	Massix Custom Animation Resq Msg message is posted in response to List Custom Animation Req Msg. Success indicates if the processing was done or not	ListId: ::Courier::UInt32. Action: CustomListAn- imationAction. Success: bool. +	TC_W47_05
ListDataProvider UpdMsg	Updates the entries of the previously sent ListDataProvider by replacing them. It does not insert or remove entries. Properties: UpdateInfo: contains the entries to be updated.	Updater: tSharedPtrDat- aProviderUp- dater. +	TC_W47_07

Con-	Request is sent by the ListWidget to request data from the model. The model should react to this	listId: ::Courier::UInt32.	TC_W47_06
troller	message and,	courieromt32.	
troller	•	startInday.	
	depending on the listId, it should prepare the data to	startIndex:	
	send to the list. The model can request data to other	::Courier::Int32.	
	components when this message is received or it can		
	do it at a different time and cache the received values	windowElementSize:	
	SO	::Courier::UInt32.	
	that it will be able to fulfill the request.		
	Properties:	circular: bool.	
	listId: the id of the list that sends the message. It will		
	be used by the response message to identify the	cachedData:	
	target list.	bool.	
	startIndex: the index of the first item that is		
	requested.	scrollAnchorId:	
	<u>=</u>	Courier::UInt32"	
	windowElementSize: the number of requested		
	elements.	default-	
	circular: whether the requesting list is circular or not*	Value="MAX_UINT_VA	LUE.
	The index of the first requested element. Even in case	+	
	of circular scrolling, this is positive, as		
	the startIndex + windowElementSize can yield values		
	greater than the list size, in which case the		
	indices should be treated as % virtualListSize*		
	The number of requested element. In case of circular		
	scrolling, the startIndex + windowElementSize can		
	yield values greater than the list size, in which case		
	the indices should be treated as		
I D D II D M	% virtualListSize	T. D. D. II	TO WAT OF
ListDateProviderResMsg	This message is sent as a response to a	ListDateProvider:	TC_W47_06
	LietDetaProviderDeaMea, It should provide the list		
	ListDateProviderReqMsg. It should provide the list	tSharedPtrDat-	
	with a valid set	aProvider.	
	* * ·		
	with a valid set	aProvider.	
	with a valid set of data that it previously requested via a	aProvider.	
	with a valid set of data that it previously requested via a ListDateProviderReqMsg. The model posts this kind of message	aProvider.	
	with a valid set of data that it previously requested via a ListDateProviderReqMsg. The model posts this kind of message after it builds a DataProvider containing the relevant	aProvider.	
	with a valid set of data that it previously requested via a ListDateProviderReqMsg. The model posts this kind of message after it builds a DataProvider containing the relevant data the list requested. See onListDateProviderReq	aProvider.	
	with a valid set of data that it previously requested via a ListDateProviderReqMsg. The model posts this kind of message after it builds a DataProvider containing the relevant data the list requested. See onListDateProviderReq for a concrete example	aProvider.	
	with a valid set of data that it previously requested via a ListDateProviderReqMsg. The model posts this kind of message after it builds a DataProvider containing the relevant data the list requested. See onListDateProviderReq for a concrete example Properties:	aProvider.	
	with a valid set of data that it previously requested via a ListDateProviderReqMsg. The model posts this kind of message after it builds a DataProvider containing the relevant data the list requested. See onListDateProviderReq for a concrete example Properties: ListDateProvider: a pointer to an instance of	aProvider.	
	with a valid set of data that it previously requested via a ListDateProviderReqMsg. The model posts this kind of message after it builds a DataProvider containing the relevant data the list requested. See onListDateProviderReq for a concrete example Properties: ListDateProvider: a pointer to an instance of DataProvider that will be used by the list to display	aProvider.	
	with a valid set of data that it previously requested via a ListDateProviderReqMsg. The model posts this kind of message after it builds a DataProvider containing the relevant data the list requested. See onListDateProviderReq for a concrete example Properties: ListDateProvider: a pointer to an instance of DataProvider that will be used by the list to display the	aProvider.	
Linton Charles	with a valid set of data that it previously requested via a ListDateProviderReqMsg. The model posts this kind of message after it builds a DataProvider containing the relevant data the list requested. See onListDateProviderReq for a concrete example Properties: ListDateProvider: a pointer to an instance of DataProvider that will be used by the list to display the requested set of data.	aProvider. +	
ListFocusChange R& q & 4sg	with a valid set of data that it previously requested via a ListDateProviderReqMsg. The model posts this kind of message after it builds a DataProvider containing the relevant data the list requested. See onListDateProviderReq for a concrete example Properties: ListDateProvider: a pointer to an instance of DataProvider that will be used by the list to display the	aProvider. + ListId:	Ignored:
ListFocusChange R & ர் M sg	with a valid set of data that it previously requested via a ListDateProviderReqMsg. The model posts this kind of message after it builds a DataProvider containing the relevant data the list requested. See onListDateProviderReq for a concrete example Properties: ListDateProvider: a pointer to an instance of DataProvider that will be used by the list to display the requested set of data.	aProvider. +	This
ListFocusChange R & q് M sg	with a valid set of data that it previously requested via a ListDateProviderReqMsg. The model posts this kind of message after it builds a DataProvider containing the relevant data the list requested. See onListDateProviderReq for a concrete example Properties: ListDateProvider: a pointer to an instance of DataProvider that will be used by the list to display the requested set of data.	aProvider. + ListId: ::Courier::UInt32.	This message
ListFocusChange R&qMsg	with a valid set of data that it previously requested via a ListDateProviderReqMsg. The model posts this kind of message after it builds a DataProvider containing the relevant data the list requested. See onListDateProviderReq for a concrete example Properties: ListDateProvider: a pointer to an instance of DataProvider that will be used by the list to display the requested set of data.	aProvider. + ListId: ::Courier::UInt32. Steps:	This
ListFocusChange R & பூ Ms g	with a valid set of data that it previously requested via a ListDateProviderReqMsg. The model posts this kind of message after it builds a DataProvider containing the relevant data the list requested. See onListDateProviderReq for a concrete example Properties: ListDateProvider: a pointer to an instance of DataProvider that will be used by the list to display the requested set of data.	aProvider. + ListId: ::Courier::UInt32.	This message
ListFocusChange R&j&ssg	with a valid set of data that it previously requested via a ListDateProviderReqMsg. The model posts this kind of message after it builds a DataProvider containing the relevant data the list requested. See onListDateProviderReq for a concrete example Properties: ListDateProvider: a pointer to an instance of DataProvider that will be used by the list to display the requested set of data.	aProvider. + ListId: ::Courier::UInt32. Steps:	This message is
	with a valid set of data that it previously requested via a ListDateProviderReqMsg. The model posts this kind of message after it builds a DataProvider containing the relevant data the list requested. See onListDateProviderReq for a concrete example Properties: ListDateProvider: a pointer to an instance of DataProvider that will be used by the list to display the requested set of data. This message is currently not used.	aProvider. + ListId: ::Courier::UInt32. Steps: ::Courier::Int32.	This message is currently not used.
	with a valid set of data that it previously requested via a ListDateProviderReqMsg. The model posts this kind of message after it builds a DataProvider containing the relevant data the list requested. See onListDateProviderReq for a concrete example Properties: ListDateProvider: a pointer to an instance of DataProvider that will be used by the list to display the requested set of data. This message is currently not used.	aProvider. + ListId: ::Courier::UInt32. Steps: ::Courier::Int32. + ListId:	This message is currently
ListItemExpandEn MUpileN , Con-	with a valid set of data that it previously requested via a ListDateProviderReqMsg. The model posts this kind of message after it builds a DataProvider containing the relevant data the list requested. See onListDateProviderReq for a concrete example Properties: ListDateProvider: a pointer to an instance of DataProvider that will be used by the list to display the requested set of data. This message is currently not used.	aProvider. + ListId: ::Courier::UInt32. Steps: ::Courier::Int32. +	This message is currently not used.
ListItemExpandEn MUpdeN	with a valid set of data that it previously requested via a ListDateProviderReqMsg. The model posts this kind of message after it builds a DataProvider containing the relevant data the list requested. See onListDateProviderReq for a concrete example Properties: ListDateProvider: a pointer to an instance of DataProvider that will be used by the list to display the requested set of data. This message is currently not used.	aProvider. + ListId: ::Courier::UInt32. Steps: ::Courier::Int32. + ListId: ::Courier::UInt32.	This message is currently not used.
ListItemExpandEn MUpileN , Con-	with a valid set of data that it previously requested via a ListDateProviderReqMsg. The model posts this kind of message after it builds a DataProvider containing the relevant data the list requested. See onListDateProviderReq for a concrete example Properties: ListDateProvider: a pointer to an instance of DataProvider that will be used by the list to display the requested set of data. This message is currently not used.	aProvider. + ListId: ::Courier::UInt32. Steps: ::Courier::Int32. + ListId: ::Courier::UInt32.	This message is currently not used.
ListItemExpandEn MUpileN , Con-	with a valid set of data that it previously requested via a ListDateProviderReqMsg. The model posts this kind of message after it builds a DataProvider containing the relevant data the list requested. See onListDateProviderReq for a concrete example Properties: ListDateProvider: a pointer to an instance of DataProvider that will be used by the list to display the requested set of data. This message is currently not used.	aProvider. + ListId: ::Courier::UInt32. Steps: ::Courier::Int32. + ListId: ::Courier::UInt32.	This message is currently not used.
ListItemExpandEn MUpileN , Con-	with a valid set of data that it previously requested via a ListDateProviderReqMsg. The model posts this kind of message after it builds a DataProvider containing the relevant data the list requested. See onListDateProviderReq for a concrete example Properties: ListDateProvider: a pointer to an instance of DataProvider that will be used by the list to display the requested set of data. This message is currently not used.	aProvider. + ListId: ::Courier::UInt32. Steps: ::Courier::Int32. + ListId: ::Courier::UInt32. ItemIntex: ::Courier::UInt32.	This message is currently not used.
ListItemExpandEndMipuleN. Con-	with a valid set of data that it previously requested via a ListDateProviderReqMsg. The model posts this kind of message after it builds a DataProvider containing the relevant data the list requested. See onListDateProviderReq for a concrete example Properties: ListDateProvider: a pointer to an instance of DataProvider that will be used by the list to display the requested set of data. This message is currently not used.	aProvider. + ListId: ::Courier::UInt32. Steps: ::Courier::Int32. + ListId: ::Courier::UInt32.	This message is currently not used.

ListItemExpandRe 4Ntsg	ListItemExpandReqMsg message is treated by the list widget in order to play an expand animation for the given item, in the requested direction.	ListId: ::Courier::UInt32. ItemIndex: ::Courier::UInt32. Forward: bool.	TC_W47_10
ListMorphReqMsgContro Model		+ ListId: Courier::UInt32.	Ignored: This
	into a state identified by Hint.	Hint: Courier::UInt32.	message has nothing to be handled inside the
			ListWid- get, just a message for user's
			use.
ListMovementFinisMandet	dMssged by the ListWidget when the movement triggered by touch gestures or a ListChangeMsg has	ListId: ::Courier::UInt32.	TC_W47_11
	finished Properties: listId: the id of the list that sends the message.	FirstVisibleIndex: ::Courier::UInt32.	
Y' G Y Y D A	FirstVisibleIndex: the value of the first visible index	+	TC W47 1
ListStatusUpdMsg Model View	time for example its swiping state has changed. This message should be treated by other components	Status: ListStatusType.	TC_W47_12
	that need to react to changes in the swiping state of the list. These components can be either items contained inside the list or other various	ListId: ::Courier::UInt32.	
	external components. Properties: Status: the new swiping sate; possible states:	ChangeSource: ListChangeMs- gSourceType.	
	ListIdle, ListTouched, ListFocused, ListScrolling, ListSwiping	ChangeType:	
	ListId: the id of the list that has changed its state View: the ViewId of the View containing the ListWidget instance	ListGener- alChangeType.	
	List: the name of the ListWidget instance Direction: Prev, Next, Unavailable LockoutActive: on/off	Direction: ListStatusDirectionType.	
		LockoutActive: bool. +	

ListVisibiltyUpdMsg posted by the ListWidget to the model each time when the List comes in foreground	VisibilityStatus: TC_W47_13 ListStatusVisi-
This message should be treated by other components	bilityType.
	ListId:
	::Courier::UInt32.
Properties:	+
VisibilityStatus: the new visibility sate; possible	
View: the ViewId of the View containing the	
ListWidget instance	
	ListId: TC W47 09
ListWidget each frame	Courier::UInt32.
	FirstVisibleIndex: Courier::UInt32.
	Courier::Omt32.
	FirstCompleteVisibleIndex:
	Courier::UInt32.
	NumberOfVisibleItems:
	Courier::UInt32.
	NumberOfCompleteVisibleItems:
	Courier::UInt32.
	ConfiguredNumberOfItems: Courier::UInt32.
	+ Courier::Offit32.
	model each time when the List comes in foreground This message should be treated by other components that need to react to changes, for example in the lockout component of the DM to lock the screen imediatly after the list becomes visible. Properties: VisibilityStatus: the new visibility sate; possible states: ListVisible, ListInVisible ListId: the id of the list that has changed its visibility View: the ViewId of the View containing the ListWidget instance List: the name of the ListWidget instance //kgistVisualContentUpdateMsg is send by the

LockOutMsg	View	LockoutMsg message has to be sent from the DM to the ListWidget to request for lockout (speed lockout feature) Properties: ReceiverId: the id of the list that should be locked; Zero (0) means broadcast to all lists LockOut: The LockOutType decides how the list reacts on user input - LockOutNone: decatives any LockOut, normal operation of the list and scrollbar - LockOutPageWise: instead of pixelwise swipe on any user input pagewise scrolling is enabled - LockOutPageWisePrev: pagewise scrolling, but in prev direction locked (up/left) - LockOutPageWiseNext: pagewise scrolling, but in next direction locked (dn/right) - LockOutDirPrev: up/left operations are locked, down or right operations allowed - LockOutDirNext: up/left operations allowed, down or right operations are locked - LockOutComplete: everything is locked, list and scrollbar - LockOutFixMovement: pagewise scrolling is enabled but only after a specified percent of the viewport was scrolled, see also ListWidget property LockOutFixMovmentOffset in case of coverflow the entries will be scrolled itemwise.	ReceiverId: ::Courier::UInt32. LockOut: LockOutType. +	TC_W47_14
SliderCurrentVal	ue Moate d	ed MsgrCurrent Value Changed Msg message is posted	CurrentValue:	Ignored:
	Con-	from ListWidget when the CurrentValue from	::Courier::Float.	This
	troller	SliderWidgetproperty		message
		changes. External components should react to this	TouchState:	has
		message to possibly change their states based on the	SliderTouch-	nothing to
		current	State.	be
		value.	+	handledby
		Properties: View: the ViewId of the View containing the		the List-
		View: the ViewId of the View containing the DropDownListWidget instance		Widget, will be
		Sender: the name of the DropDownListWidget		tested in
		instance		the Slider-
		CurrentValue: the current value of the slider		Widget.
		TouchState: the touch state of the slider		Triaget.
SourceTypeLock	Out Manage		ReceiverId:	
\ <u>\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ </u>		from the DM to the ListWidget to request for	::Courier::UInt32.	
		lockout (speed lockout feature)		
		Properties:	LockOut:	
		ReceiverId: the id of the list that should be locked;	hmibase::widget::list	::SourceTypeLockoutMap
		Zero (0) means broadcast to all lists	+	

MarginWidget2D

Name: MarginWidget2D

Description: Controls the margin properties of a node. To be able to animate different margins a property for each margin is

provided

Category: Layout

Name	Bind able	Type	Description	Test Scope
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor	Ignored: Not tested because this property is inherited and not specific to this
			EnableGroupWidget2D are true.	Widget.
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: Not tested because this property is inherited and not specific to this Widget.
MarginBottom	False	Float	Button margin of attached node	
MarginLeft	False	Float	Left margin of attached node.	
MarginRight	False	Float	Right margin of attached node	
MarginTop	False	Float	Top margin of attached node	
Name	False	CharAı	TayThe name of the widget instance	
Node	False	Node21	The associated node of the widget.	

Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W74_09
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscribes cription	Members	Distribu ffest
			Scope

MarkerWidget2D

Name: MarkerWidget2D

Description: Marks a node in the scene to help other widgets or components with finding the node they need for a specific purpose. For example the camera to be used for a transition or the adorner to be used during dragging of a button. Use the static method MarkerWidget2D::findMarker to search for a marker widget. See the WidgetUserGuide for more details.

Category: Common

Name	Bind	Туре	Description	Test Scope
	able			
Enable	True	Bool	Enables this widget. Some widgets (for	
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
Id1	True	UInt	1st identifier	
Id2	True	UInt	2nd identifier	
Id3	True	UInt	3rd identifier	
Id4	True	UInt	4th identifier	
InheritEnabled	True	Bool	If true then this widget is considered	
			effectively enabled only if both local	
			Enabled and the value inherited from the	
			ancestor EnableGroupWidget2D are true.	
			If this widget has no	
			EnableGroupWidget2D ancestor or	
			InheritEnabled is false then only the local	
			Enabled is used.	
Name	False	CharAı	TayThe name of the widget instance	
Node	False	Node21	The associated node of the widget.	

Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscribes cription	Members	Distribu ffest
			Scope

MeshWidget2D

Name: MeshWidget2D

Description: Performs a perspective projection of a 3D rotated effect (e.g. Bitmap or SolidColor effects) based on the configured

origin, rotation and field of view.

Category: Common

Name	Bind able	Туре	Description	Test Scope
CameraDistance	True	Float	Defines a normalized camera distance (the projection is based on a normalized geometry of widht and height 1) with a default value of 1.	TC_W17_02
CustomHorizontalOrigin	True	Float	Defines a normalized (bitmap resolution independent) custom origin that can not be defined with Left, Center or Right.	TC_W17_03
CustomVerticalOrigin	True	Float	Defines a normalized (bitmap resolution independent) custom origin that can not be defined with Top, Center or Bottom.	TC_W17_04
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	Ignored: This property has not been supported for testing.
FieldOfView	False	Float	The area on the Y axis view field in degrees. It influences the perspective distortion of the projection. Higher angles will result in more distorted projection. Lower angles will result in less perspective distorted projections. The angle has to be higher than 0 and less than 180.	

FitStrategy	False	Enum	Defines how the perspective projected mesh should fit into the original boundaries.	
FitToMaximumSizeRotation	False	Float	Defines the rotation angle in degree that will be uses as maximum for the FitToMaximumSize fit strategy. Default is an angle of 90 degree.	
HorizontalOrigin	False	Enum	The origin influences where the rotation is performed and how the perspective projection looks. It is defined as a normalized (bitmap resolution independent) origin on the y axis as Left (0), Center (0.5), Right (1.0) or Custom (see CustomHorizontalOrigin).	
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: This property has not been supported for testing.
Name	False		ayne name of the widget instance	
Node Origin Offset	False False		The associated node of the widget. In addition to the configured normalized	
OriginOffset		Vector2	origin this pixel based origin offset is added.	
Rotation	True	Float	Defines the rotation angle in degree around configured rotation axis at the configured origin.	TC_W17_01
RotationAxis	False	Vector3	Defines the axis (default is the y axis) for the rotation as a 3D direction vector (the vector will be internally normalized).	
VerticalOrigin	False	Enum	The origin influences where the rotation is performed and how the perspective projection looks. It is defined as a normalized (bitmap resolution independent) origin on the y axis as Top (0), Center (0.5), Bottom (1.0) or Custom (see CustomVerticalOrigin).	
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W17_09

VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	

Name	Subscribion Subscription	Members	Distribu ffest
			Scope

MeterWidget2D

Name: MeterWidget2D

Description: Widget which shows the progess in a circular direction

Category: Extra

Name	Bind able	Туре	Description	Test Scope
CurrentValue	True	Float	Indicates the Ongoing operation received from external component	TC_W43_01
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	TC_W43_03
IndicatorNode	False	Node2D	Node used as a pointer to rotate to show progress	
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: Not tested because this property is inherited and will be tested with Enabled-GroupWidget
MaximumAngle	False	Float	Angle of the Indicator to represent the maximum value	
MaximumValue	False	Float	End Value of the ProgressBar. Progress ends at this value.	

MinimumAngle	False	Float	Angle of the Indicator to represent the	
			minimum value	
MinimumValue	False	Float	Start Value of the ProgressBar. Progress	
			starts from this value.	
Name	False	CharArr	a)The name of the widget instance	
Node	False	Node2D	The associated node of the widget.	
RotationType	False	Enum	Decides the direction the progress should	
			happen - clockwise or anticlockwise	
			direction	
Visible	True	Bool	Configures the node property	TC_W43_02
			EnableRendering which is used to	
			determine if the node is rendered or not.	
			A node is effectively rendered if it and all	
			its ancestors have rendering enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	

Name	Subscrib less cription	Members	Distribut	Host
				Scope

MultiSliderHelperWidget3D

Name: MultiSliderHelperWidget3D

Description: Implementation of MultiSliderHelperWidget3D

Category:

72.1 Property list

Name	Bind	Type	Description	Test Scope
	able			
ColorBottom	False	Color	Defines the color if center of polygon	
			area moves to bottom.	
ColorTopLeft	False	Color	Defines the color if center of polygon	
			area moves to top left.	
ColorTopRight	False	Color	Defines the color if center of polygon	
			area moves to top right.	
Enabled	False	Bool	Enabled: Enable or disable the widget	
Name	False	CharAr	ra)The name of the widget instance	
Node	False	Node3I	The associated node of the widget.	
NonLinearFactor	False	Float	Factor for non-linear ratio between value	
			and depth (0.00110). 0.001 means	
			linear, higher values define more	
			exponential ratio.	
RadiusOffset	False	Float	Value > 0 creates a gap on the edges of	
			the polygon.	
Scale	False	Bool	The texture will be cut off on top edge	
			(false) or is scaled down (true).	
ValueMin	False	Float	To show some content even if the	
			controller value is 0, a minimum value	
			for the view can be defined.	

Name	Subscritt@escription	Members	Distribu ffost
			Scope

MultiSliderWidget2D

Name: MultiSliderWidget2D

Description: Widget to change the importance of a property and visualize the same in the meanding of a unique profile repre-

sentation.

Category: Range

Name	Bind able	Туре	Description	Test Scope
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies the id of the appearance responsible to change, based on widget state (enabled, pressed, active, focused), the images and the colors for the widget node and the descendant nodes. The appearances are registered at start-up.	Ignored: Under development
ControllerId	True	Short	Identifies the controller attached to this widget1 no controller is attached; 0 default controller for the class is attached (used for derived classes); 1n id of a controller registered at start-up;	Ignored: Id of a controller registered at start-up. It cant be changed during run time
DisabledTouching	True	Bool	Widget can be touched also when it is disabled.	
DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The TTFis simulation for the gesture action is not ready yet.

Drag	True	Bool	Enable drag gesture detection	
DragDirection	False	Enum	Direction in which drag should be detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	
FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	
Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not ready yet.

GestureConfigId	True	UInt	Identifies the gesture configuration used for this widget. Gesture configurations are registered at start-up and attached to widgets using numerical ids (0 is used for the default configuration defined in the widget). For more information please read the gesture configuration chapter in the widget user guide.	
HandleNode	False	Node2D		
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	
MultiSliderView	False	Widget	The multi slider view widget for	
			graphical representation.	
Name	False		ayThe name of the widget instance	
Node	False	Node2D Bool	The associated node of the widget.	Ignored: Not
PinchSpread	True		Enable pinch and spread gesture detection	tested because this property is inherited and not specific to this Widget.
PressHold	True	Bool	Enable hold gesture detection	
PressRepeat	True	Bool	Enable repeat gesture detection	
RadiusCenter	False	Float	Radius for center button (sets all values to minimum)	
RadiusMax	False	Float	Radius for maximum values in pixel	
RadiusMin	False	Float	Radius for minimum values in pixel	
RawTouch	True	Bool	Enable raw touch coordinate routing (mainly for hand writing recognition)	Ignored: Not tested because this property is inherited and not specific to this Widget.
Rotate	True	Bool	Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
StartAngle	False	Float	Defines the angle in degrees of the first value. 0° is 12 o'clock position.	

Swipe	True	Bool	Enable swipe gesture detection	
SwipeDirection	False	Enum	Direction in which swipe should be	
			detected	
Tap	True	Bool	Enable press and tap gesture detection	
TouchPriority	True	UInt	Increase this priority to handle touch	Ignored: Not
			message for this widget before widgets	tested
			with a lower priority	because this
				property is
				inherited and
				not specific
				to this
				Widget.
Touchable	True	Bool	Widget is Touchable or not	
UserData	True	UInt	Together with the view and the widget	Ignored: The
			identifier, this user data is a parameter to	infrastruc-
			many messages posted by the widgets	ture is in the
			which can be used in the state machine or	base widget,
			in the data model. Use data binding to	No extra
			change this value dynamically and store	information
			extra information in the widgets.	to store here.
Values	True	Float	Array of float values to be controlled by	
			the widget. The number of values also	
			defines the number of billboard to be	
			shown by MultiSliderHelperWidget3D.	
Visible	True	Bool	Configures the node property	
			EnableRendering which is used to	
			determine if the node is rendered or not.	
			A node is effectively rendered if it and all	
			its ancestors have rendering enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
		D 1	the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	

Name	Subscrib@escription	Members	Distribu ffost
			Scope

NodeControlWidget2D

Name: NodeControlWidget2D

Description: Controls the properties of a node allowing to expose them outside composites or to change them using data binding

sources.

Category: Common

Name	Bind able	Туре	Description	Test Scope
AlphaValue	True	Float	See Node's property AlphaValue	TC_W77_01
AlphaValueEnabled	False	Bool	Enables configuration of the property AlphaValue	
BoundingRectangle	True	Rectan	gleSee Node's property BoundingRectangle	TC_W77_02
BoundingRectangleEnabled	False	Bool	Enables configuration of the property BoundingRectangle	
Collapsible	True	Bool	See Node's property Collapsible	Ignored: This prop is only used to improve the performance, has no visual effect.
CollapsibleEnabled	False	Bool	Enables configuration of the property Collapsible	
Column	True	Byte	See Node's property Column	TC_W77_04
ColumnEnabled	False	Bool	Enables configuration of the property Column	
ColumnSpan	True	Byte	See Node's property ColumnSpan	TC_W77_03
ColumnSpanEnabled	False	Bool	Enables configuration of the property ColumnSpan	

Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor	Ignored: This prop is inherited but not specified for this widget.
TT- C 1A1'	To	F	EnableGroupWidget2D are true.	TO WITE OF
HorizontalAlignment	True	Enum	See Node's property HorizontalAlignment	TC_W77_06
HorizontalAlignmentEnabled	False	Bool	Enables configuration of the property	
Tronzontan ingilinentzhaolea	T disc	Bool	Horizontal Alignment	
InheritEnabled	True	Bool	If true then this widget is considered	Ignored:
			effectively enabled only if both local	This
			Enabled and the value inherited from the	property has
			ancestor EnableGroupWidget2D are true.	not been
			If this widget has no	fully
			EnableGroupWidget2D ancestor or	developed.
			InheritEnabled is false then only the local	
			Enabled is used.	
LayoutDirection	True	Enum	See Node's property LayoutDirection	TC_W77_20
LayoutDirectionEnabled	False	Bool	Enables configuration of the property	
			LayoutDirection	
Margin	True	Margin	See Node's property Margin	TC_W77_19
MarginEnabled	False	Bool	Enables configuration of the property	
			Margin	
MaximumSize	True	Vector2	See Node's property MaximumSize	TC_W77_15
MaximumSizeEnabled	False	Bool	Enables configuration of the property	
MinimumSize	Т	Va ata a	MaximumSize	TC W77 14
MinimumSizeEnabled	True False	Vector2 Bool	See Node's property MinimumSize Enables configuration of the property	TC_W77_14
WillimumsizeEnabled	raise	DOOL	MinimumSize	
Name	False	CharArr	a)The name of the widget instance	
Node	False		The associated node of the widget.	
PivotOffset	True	Vector2	Ü	Ignored: This
				property because this property is deprecated. Replaced and tested by property PivotPoint.
PivotOffsetEnabled	False	Bool	Enables configuration of the property PivotOffset	
PivotPoint	True	Vector2	See Node's property PivotPoint	TC_W77_18
PivotPointEnabled	False	Bool	Enables configuration of the property PivotPoint	
Position	True	Vector2	See Node's property Position	TC_W77_12
PositionEnabled	False	Bool	Enables configuration of the property Position	
RenderOrderRank	True	Int	See Node's property RenderOrderRank	TC_W77_11
RenderOrderRankEnabled	False	Bool	Enables configuration of the property	
			RenderOrderRank	

RenderingEnabled	True	Bool	DEPRECATED. Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. The same node property is configured	Ignored: This property is deprecated.
			also by the widget property Visible which is available in all widgets. Please notice that if the same property of	
			a node is set from multiple sources then the result is unpredictable.	
RenderingEnabledEnabled	False	Bool	DEPRECATED. Enables the	
RenderingEndoledEndoled	1 disc	Bool	configuration of the node property	
			EnableRendering which is used to	
			determine if the node is rendered or not.	
			A node is effectively rendered if it and all	
			its ancestors have rendering enabled.	
			The same node property is configured	
			also by the widget property Visible which	
			is available in all widgets.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
	-	-	the result is unpredictable.	
Rotation	True	Float	See Node's property Rotation	TC_W77_18
RotationEnabled	False	Bool	Enables configuration of the property	
Row	True	Byte	Rotation See Node's property Row	TC_W77_05
RowEnabled	False	Bool	Enables configuration of the property	TC_W / /_03
RowEllabled	Taise	Bool	Row	
RowSpan	True	Byte	See Node's property RowSpan	TC_W77_03
RowSpanEnabled	False	Bool	Enables configuration of the property	10_1177_00
1			RowSpan	
Scale	True	Vector2	See Node's property Scale	TC_W77_17
ScaleEnabled	False	Bool	Enables configuration of the property	
CasaMash	Т	III	Scale	TC W77 21
ScopeMask ScopeMaskEnabled	True False	UInt Bool	See Node's property ScopeMask Enables configuration of the property	TC_W77_21
ScopeiviaskEnabled	Taise	Bool	ScopeMask	
Size	True	Vector2	See Node's property Size	TC_W77_13
SizeEnabled	False	Bool	Enables configuration of the property	16_1177_13
			Size	
StretchBehavior	True	Enum	See Node's property StretchBehavior	TC_W77_16
StretchBehaviorEnabled	False	Bool	Enables configuration of the property StretchBehavior	
VerticalAlignment	True	Enum	See Node's property VerticalAlignment	TC_W77_10
VerticalAlignmentEnabled	False	Bool	Enables configuration of the property	
			VerticalAlignment	
Visible	True	Bool	Configures the node property	TC_W77_09
			EnableRendering which is used to determine if the node is rendered or not.	
			A node is effectively rendered if it and all	
			its ancestors have rendering enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
		'	a node is set from minimise sources men	

VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	

Name	Subscribion Subscription	Members	Distribu ffest
			Scope

OPSWidget2D

Name: OPSWidget2D

Description: OPS (Optical parking system) widget is used to display the vehicle graphics together with sensor field displays

(SFD) around the car *Category:* Extra

Name	Bind able	Туре	Description	Test Scope
BlinkInterval	True	custom:	// Eist each of the sensor fields: Blinking	
			time interval in msec.	
Enable	True	Bool	Enables this widget. Some widgets (for	
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
InheritEnabled	True	Bool	If true then this widget is considered	
			effectively enabled only if both local	
			Enabled and the value inherited from the	
			ancestor EnableGroupWidget2D are true.	
			If this widget has no	
			EnableGroupWidget2D ancestor or	
			InheritEnabled is false then only the local	
			Enabled is used.	
LeftRTADistanceValue	True	Byte	Left RTA distance value:	
			(0x1,0x02,0x03)	
LeftRTAStatuslevel	True	Byte	Left RTA status: 0->No sensor, other	
			values->Sensor available	
Name	False	CharArr	a)The name of the widget instance	
Node	False	Node2D	The associated node of the widget.	
OPSDisplayMode	True	Byte	OPSDisplayMode: FrontAndRear or	TC_W44_03
			Around360 or RearOnly	

OPSMini	False	Bool	If TRUE, Mini mode will be used	
OPSWidgetType	True	Enum	OPSWidgetType: BySector or	
			BySegment	
RightRTADistanceValue	True	Byte	Right RTA distance value:	
			(0x1,0x02,0x03)	
RightRTAStatuslevel	True	Byte	Right RTA status: 0->No sensor, other	
			values->Sensor available	
SegmentPreDefinedDistanceValues	True	custom:	//IPist defined segment values upon which	
			the actual segment values to be compared	
SensorFieldBlinking	True	custom:	//ILfstrue, the sensor field is blinking	
			depending on the BlinkInterval	
SensorFieldHatched	True	custom:	//Iliste if field is hatched, for each of the	
			sensor fields.	
SensorFieldScanned	True	custom:	//Illiste if field is scanned, for flanks.	
SensorsAvailable	True		//LAistailability of the sensors around the car	
SensorsSegmentValues	True		//Aistay of sensors which represent its	
			availability: True or False	
StatusValues	True	custom:	//aisay of status values to find the segment	
			color for all sectors	
TrailerConnected	True	Bool	Flag to identify Trailer is Connected or	TC_W44_03
			not	
VehicleType	True	UShort	Type of the vehicle	
Visible	True	Bool	Configures the node property	
			EnableRendering which is used to	
			determine if the node is rendered or not.	
			A node is effectively rendered if it and all	
			its ancestors have rendering enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	
			the result is unpredictable.	

No	ame Su	ıbscrib lees cription	Members	Distrib	u iEost
					Scope

OffscreenTouchProxyWidget2D

Name: OffscreenTouchProxyWidget2D

Description: Used to map the touch coordinates for offscreen render targets

Category: Under construction

Name	Bind able	Туре	Description	Test Scope
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies	Ignored:
/ ippearameera	1140		the id of the appearance responsible to	Under
			change, based on widget state (enabled,	development
			pressed, active, focused), the images and	ge verepinent
			the colors for the widget node and the	
			descendant nodes. The appearances are	
			registered at start-up.	
Camera	False	Camera	2ID amera: Candera::Camera2D*	
ControllerId	True	Short	Identifies the controller attached to this	Ignored: Id
			widget.	of a
			-1 no controller is attached;	controller
			0 default controller for the class is	registered at
			attached (used for derived classes);	start-up. It
			1n id of a controller registered at	cant be
			start-up;	changed
				during run
				time
DisabledTouching	True	Bool	Widget can be touched also when it is	Ignored: Not
			disabled.	tested
				because this
				property is
				inherited and
				not specific
				to this
				Widget.

DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The TTFis simulation for the gesture action is not ready yet.
Drag	True	Bool	Enable drag gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
DragDirection	False	Enum	Direction in which drag should be detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	TC_W78_08
FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	

Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis
				simulation
				for the
				gesture
				action is not
				ready yet.
GestureConfigId	True	UInt	Identifies the gesture configuration used	Ignored: Not
Gestare Comigia	1140		for this widget.	tested
			Gesture configurations are registered at	because this
			start-up and attached to widgets using	property is
			numerical ids (0 is used for the default	inherited and
			configuration defined in the widget).	not specific
			For more information please read the	to this
			gesture configuration chapter in the	Widget.
			widget user guide.	Waget.
InheritEnabled	True	Bool	If true then this widget is considered	Ignored: Not
			effectively enabled only if both local	tested
			Enabled and the value inherited from the	because this
			ancestor EnableGroupWidget2D are true.	property is
			If this widget has no	inherited and
			EnableGroupWidget2D ancestor or	will be
			InheritEnabled is false then only the local	tested with
			Enabled is used.	Enabled-
				GroupWid-
				get.
Name	False		raThe name of the widget instance	
Node	False		The associated node of the widget.	
OffscreenScene	False	Node2l		
PinchSpread	True	Bool	Enable pinch and spread gesture	Ignored: Not
			detection	tested
				because this
				property is
				inherited and
				not specific
				to this
D II 11		D 1	B 11 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Widget.
PressHold	True	Bool	Enable hold gesture detection	Ignored: Not
				tested
				because this
				property is
				inherited and
				not specific
				to this
David David		D. 1	English and the Control of the Contr	Widget.
PressRepeat	True	Bool	Enable repeat gesture detection	Ignored: Not
				tested
				because this
				property is
				inherited and
				not specific
				to this
				Widget.

RawTouch	True	Bool	Enable raw touch coordinate routing (mainly for hand writing recognition)	Ignored: Not tested because this property is inherited and not specific to this Widget.
Rotate	True	Bool	Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
Swipe	True	Bool	Enable swipe gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
SwipeDirection	False	Enum	Direction in which swipe should be detected	
Тар	True	Bool	Enable press and tap gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
TouchPriority	True	UInt	Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.
Touchable	True	Bool	Widget is Touchable or not	TC_W78_01
UserData	True	UInt	Together with the view and the widget identifier, this user data is a parameter to many messages posted by the widgets which can be used in the state machine or in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	Ignored: The infrastructure is in the base widget, No extra information to store here.

Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W78_09
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscribes cription	Members	Distribu ffest
			Scope

OverlayLayouterWidget2D

Name: OverlayLayouterWidget2D

Description: Sets an overlay layouter on a composite node. Add the widget to the composite and associate it to the composite itself. Don't use the nested level because it can create confusion and lead to errors. Also don't use this widget to set an overlay layouter on a normal group because it is more efficient to set it from the properties panel of that group.

Category: Layout

Name	Bind	Type	Description	Test Scope
	able			
Enable	True	Bool	Enables this widget. Some widgets (for	
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
InheritEnabled	True	Bool	If true then this widget is considered	
			effectively enabled only if both local	
			Enabled and the value inherited from the	
			ancestor EnableGroupWidget2D are true.	
			If this widget has no	
			EnableGroupWidget2D ancestor or	
			InheritEnabled is false then only the local	
			Enabled is used.	
Name	False	CharAı	CharArra The name of the widget instance	

NestedLevel	True	UInt	DEPRECATED: This property was required in the past when it was not possible to associate a widget directly to the composite. The value of this property represents the ancestor's level, relative to the associated node, which will be targeted by this widget. This property should not be used because it creates confusion and can lead to errors. Just associate the widget directly to the targeted composite.
Node	False	Node2D	
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.

Name	Subscribescription	Members	Distribu ffost	
			Scope	

PageEditWidget2D

Name: PageEditWidget2D

Description: Provides support to arrange items inside a grid. See the widget user guide for details regarding how to configure it.

Category: Gesture

Name	Bind	Туре	Description	Test Scope
	able			
AlbumId	True	UInt	Editing is possible only within the pages	
			from the same album.	
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies	Ignored:
			the id of the appearance responsible to	Under
			change, based on widget state (enabled,	development
			pressed, active, focused), the images and	
			the colors for the widget node and the	
			descendant nodes. The appearances are	
			registered at start-up.	
ArrangeItems	True	Bool	If enabled then the items will be arranged	TC_W38_01
			based on ItemCells value.	
AutoArrange	True	Bool	If enabled then the items will be auto	TC_W38_02
			arranged on item drag.	
CellSize	True	Vector2	Size in pixels of a cell.	TC_W38_03
ColumnCount	True	UShort	Number of columns.	TC_W38_04
ControllerId	True	Short	Identifies the controller attached to this	Ignored: Id
			widget.	of a
			-1 no controller is attached;	controller
			0 default controller for the class is	registered at
			attached (used for derived classes);	start-up. It
			1n id of a controller registered at	cant be
			start-up;	changed
				during run
				time
DisabledTouching	True	Bool	Widget can be touched also when it is	
			disabled.	

DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The TTFis simulation for the gesture action is not ready yet.
Drag	True	Bool	Enable drag gesture detection	
DragDirection	False	Enum	Direction in which drag should be detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
EditingCellsNode	False	Node2D	cells will be marked. This node is visible only during editing.	
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	Ignored: This property has not been supported for testing.
FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	

Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not ready yet.
GestureConfigId	True	UInt	Identifies the gesture configuration used for this widget. Gesture configurations are registered at start-up and attached to widgets using numerical ids (0 is used for the default configuration defined in the widget). For more information please read the gesture configuration chapter in the widget user guide.	
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: This property has not been supported for testing.
ItemCells	True	Rectang	leSpecifies the top left cell and the cell span for each item. If span is 0 (width or height is 0) then the item will be hidden.	TC_W38_06
ItemLocks	True	Bool	Provides support to lock items preventing them from being moved during editing.	TC_W38_07
ItemsNode	False	Node2E		
Name	False	CharAr	ra)The name of the widget instance	
Node	False	Node2E	The associated node of the widget.	
PinchSpread	True	Bool	Enable pinch and spread gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
PressHold	True	Bool	Enable hold gesture detection	
PressRepeat	True	Bool	Enable repeat gesture detection	
RawTouch	True	Bool	Enable raw touch coordinate routing (mainly for hand writing recognition)	Ignored: Not tested because this property is inherited and not specific to this Widget.

Rotate	True	Bool	Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
RowCount	True	UShort	Number of rows.	TC_W38_05
Swipe	True	Bool	Enable swipe gesture detection	
SwipeDirection	False	Enum	Direction in which swipe should be detected	
Tap	True	Bool	Enable press and tap gesture detection	
TouchPriority	True	UInt	Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.
Touchable	True	Bool	Widget is Touchable or not	T 1 701
UserData	True	UInt	Together with the view and the widget identifier, this user data is a parameter to many messages posted by the widgets which can be used in the state machine or in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	Ignored: The infrastructure is in the base widget, No extra information to store here.
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W38_09
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscribescription	Members	Distribu ffost
			Scope

PageEditUpdMsg Model	AlbumId: sequential AlbumIdType.
	Data: PageEdit- Data::SharedPointer.
	Status: enEdit-
	Status::Enum.

PanelSlideWidget2D

Name: PanelSlideWidget2D

Description: Supports to slide the panel from 4 directions(HorizontalLeft, HorizontalRight, VeriticalTop and VerticalBottom)

using drag and swipe gestures. It also can be opened and closed with PanelButton.

Category: Gesture

Name	Bind able	Type	Description	Test Scope
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies	Ignored:
			the id of the appearance responsible to	Under
			change, based on widget state (enabled,	development
			pressed, active, focused), the images and	
			the colors for the widget node and the	
			descendant nodes. The appearances are	
			registered at start-up.	
ControllerId	True	Short	Identifies the controller attached to this	Ignored: Id
			widget.	of a
			-1 no controller is attached;	controller
			0 default controller for the class is	registered at
			attached (used for derived classes);	start-up. It
			1n id of a controller registered at	cant be
			start-up;	changed
				during run
				time
Direction	False	Enum	Direction in which panel should be	
			opened	
DisabledTouching	True	Bool	Widget can be touched also when it is	
			disabled.	

DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The TTFis simulation for the gesture action is not ready yet.
Drag	True	Bool	Enable drag gesture detection	
DragDirection	False	Enum	Direction in which drag should be detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragThreshold	False	Float	It is a minimum limit to show or hide the panel in case of drag(value should be in percentage ex: 0.5 for 1/2 of bg lengh/width)	
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	
FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	

Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not ready yet.
GestureConfigId	True	UInt	Identifies the gesture configuration used for this widget. Gesture configurations are registered at start-up and attached to widgets using numerical ids (0 is used for the default configuration defined in the widget). For more information please read the gesture configuration chapter in the widget user guide.	
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	
Name	False	CharArı	a)The name of the widget instance	
Node	False	Node2D	The associated node of the widget.	
PanelButton	False	Widget	The button will open and close the Panel. This is an optional button, Panel can also be opend and closed with swipe/drag getstures.	
PanelNode	False	Node2D		
PanelOpen	True	Bool	Panel will be in Opened state if it's true and Closed if it's false	TC_W14_14
PanelSize	False	Float	Size of the panel(i.e panel width in case horizontal direction and panel hieght in case of vertical direction)	
PinchSpread	True	Bool	Enable pinch and spread gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
PressHold	True	Bool	Enable hold gesture detection	
PressRepeat	True	Bool	Enable repeat gesture detection	
RawTouch	True	Bool	Enable raw touch coordinate routing (mainly for hand writing recognition)	Ignored: Not tested because this property is inherited and not specific to this Widget.

Rotate	True	Bool	Enable rotate gesture detection	Ignored: Not tested because this
				property is inherited and
				not specific
				to this
				Widget.
Swipe	True	Bool	Enable swipe gesture detection	
SwipeDirection	False	Enum	Direction in which swipe should be	
			detected	
Tap	True	Bool	Enable press and tap gesture detection	
TouchPriority	True	UInt	Increase this priority to handle touch	Ignored: Not
			message for this widget before widgets	tested
			with a lower priority	because this
				property is
				inherited and
				not specific to this
				Widget.
Touchable	True	Bool	Widget is Touchable or not	Widget.
UserData	True	UInt	Together with the view and the widget	Ignored: The
o ser Batta	1140		identifier, this user data is a parameter to	infrastruc-
			many messages posted by the widgets	ture is in the
			which can be used in the state machine or	base widget,
			in the data model. Use data binding to	No extra
			change this value dynamically and store	information
			extra information in the widgets.	to store here.
Visible	True	Bool	Configures the node property	
			EnableRendering which is used to	
			determine if the node is rendered or not.	
			A node is effectively rendered if it and all	
			its ancestors have rendering enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
VisibleEnabled	False	Doo!	the result is unpredictable.	
VISIDIEEHADIEU	raise	Bool	Enables the configuration of the node property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	

Name	Subscribles cription	Members	Distrib	u ffost
				Scope
PanelSlideReqMs	gView	PanelAction:	sequen	tial
		enPanelAction.		
		+		

PanelStateMsg	Model,	IsOpen: bool. +	sequen	tial	
	View,				
	Con-				
	troller				

ProgressBarWidget2D

Name: ProgressBarWidget2D

Description: ProgressBarWidget2D implements the Non Interactive functionality.

Category: Range

Name	Bind able	Type	Description	Test Scope
BufferMaskNode	False	Node2D	This property holds the Mask Node which is used to selectively render parts of the BufferNode	
BufferValue	True	Float	This property holds the buffer's position with respect to the TotalValue	TC_W13_01
CurrentValue	True	Float	This property holds the current position of progress with respect to the TotalValue	TC_W13_02
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	Ignored: This property has not been supported for testing for this widget
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: This property is dependent on Enable- GroupWid- get2D, so it will be tested in En- ableGroup- Widget2D section.

MaskNode	False	Node2D	This property holds the Mask Node which is used to selectively render parts	
Name	False	Ch an A au	of the FillNode	
Node	False		ayhe name of the widget instance	
	False	Enum	The associated node of the widget. Select the orientation of the ProgressBar.	
ProgressBarOrientationType	raise	Ellulli	Horizontal(Left, right), Vertical(Top,	
			Bottom)	
ProgressBufferNode	False	Node2D		
FlogressBullelNode	raise	NouezD	current buffer value of the	
			progressbarWidget	
ProgressFillNode	False	Node2D		
FlogressFilmode	raise	NouezD		
Duo curas Ell'Truna	False	Enum	current value of the progressbarWidget The strategy used to fill the Progressbar	
ProgressFillType	raise	Ellulli	which can be either based on Value or a	
D		D 1	Timer	TC W12 05
RestartTimer	True	Bool	This property controls when to Restart	TC_W13_05
			the internal timer which will update the	
		D 1	Progressbar current position	TG 11112 0.1
StartTimer	True	Bool	This property controls when to start the	TC_W13_04
			internal timer which will update the	
			Progressbar current position	
TimerStepCount	False	UShort	Total number of steps for Progressbar to	
			fill completely for the given TimerValue	
TimerValue	False	UInt	The timer duration in which the	
			ProgressBar will be filled completely	
			based on an internal timer value. The	
			internal timer is started based on the	
			StartTimer property value	
TotalValue	True	Float	This property holds the progress bar's	TC_W13_03
			maximum value	
Visible	True	Bool	Configures the node property	TC_W13_09
			EnableRendering which is used to	
			determine if the node is rendered or not.	
			A node is effectively rendered if it and all	
			its ancestors have rendering enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
	1	1		

Ī	Name	Subscrib les cription	Members	Distribu liost
				Scope

RichTextHighlightWidget2D

Name: RichTextHighlightWidget2D

Description: Provides highlight support for rich text. See Widget User Guide for details on how to use this widget.

Category: RichText

Name	Bind	Type	Description	Test Scope
	able			
AllOccurrences	False	Bool	If set to true, all occurrences of the string	
			defined in property 'Highlight Text' are	
			highlighted. False highlights only the	
			first occurrence.	
BackgroundColor	True	Color	The background color to be set on the	TC_W48_02
			highlighted text.	
BackgroundColorEnabled	False	Bool	If this property is set to true, the color for	
			the highlighted background can be	
			defined property 'Background Color'.	
CaseSensitive	False	Bool	If set to true, property 'Highlight Text' is	
			case sensitive. False searches case	
			insensitive.	
Enable	True	Bool	Enables this widget. Some widgets (for	TC_W48_08
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	

HighlightMode	False	Enum	Defines how to interpret string property HighlightText.	
			- Mask	
			All occurrences of the string defined in	
			property 'Highlight Text' are highlighted.	
			- Range	
			Defines character index ranges to be	
			highlighted.	
			Example to highlight characters at index	
			3, 7, 8, 9 and 15: '3,7-9,15'	
HighlightText	True	custom	//Sithingriteria to highlight Text. See	TC_W48_01
			property 'Highlight Mode'.	
InheritEnabled	True	Bool	If true then this widget is considered	Ignored: Not
			effectively enabled only if both local	tested
			Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	because this property is
			If this widget has no	inherited and
			EnableGroupWidget2D ancestor or	not specific
			InheritEnabled is false then only the local	to this
			Enabled is used.	Widget
Name	False		ra)The name of the widget instance	
Node	False		The associated node of the widget.	
TextColor	True	Color	The color to be set on the highlighted	TC_W48_03
TautCalauEu ablad	Eslas	D = =1	text.	
TextColorEnabled	False	Bool	If this property is set to true, the color for the highlighted text can be defined with	
			property 'Text Color'.	
Visible	True	Bool	Configures the node property	TC_W48_09
, 151515	1100	2001	EnableRendering which is used to	10_11 10_0
			determine if the node is rendered or not.	
			A node is effectively rendered if it and all	
			its ancestors have rendering enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
X7: 11 E 11 1	F 1	D 1	the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	

Name	Subscritt@escription	Members	Distribu ffost
			Scope

RichTextMarqueeWidget2D

Name: RichTextMarqueeWidget2D

Description: Provides horizontal scrolling animation support for rich text. See Widget User Guide for details on how to use this

widget.

Category: RichText

Name	Bind able	Type	Description	Test Scope
Bounce	False	Bool	If set, the animation reverts the direction at the end (text runs out to the right again).	
DelayEnd	False	UInt	Defines a delay in milliseconds at the end of the marquee animation.	
DelayStart	False	UInt	Defines a delay in milliseconds at the start of the marquee animation.	
Direction	False	Enum	The animation direction is defined by one of these options: - Text: The first strong character of the	
			text defines the animation direction Culture: The current culture defines the animation direction Node: The node effective layout direction is used.	
			- LeftToRight: Animation always runs left-to-right (usually for RTL text) RightToLeft: Animation always runs right-to-left (usually for LTR text).	

Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If set, the animation ends with an empty field, which means that all tout is mound.	
InheritEnabled	True	Bool	field, which means that all text is moved to the left. If not set, the animation ends as soon as the last character on the right side is completely visible.	
			If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	
Name	False		ayThe name of the widget instance	
Node	False		The associated node of the widget.	
RepeatCount	False	UInt	Number of animation sequences to run, zero means infinite.	
Speed	False	UInt	Animation speed in pixel per second.	
StartEmpty	False	Bool	If set, the animation starts with an empty field and all text is moved in from the right. If not set, the visible part of the text is displayed from the beginning and the hidden part is moved in from the right.	
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscritt@escription	Members	Distribu ffost
			Scope

RichTextWidget2D

Name: RichTextWidget2D

Description: Renders formatted and styled text elements. See Widget User Guide for details on how to use this widget.

Category: RichText

Name	Bind	Type	Description	Test Scope
	able			
AsynchronousRendering	False	Bool	Enables asynchronous parsing and	
			rendering.	
BaselineOffset	False	Int	If set to a value $>= 0$ this value defines	
			the vertical distance in pixel between	
			node position and the baseline position of	
			the first rendered text line.	
CachedRendering	False	Bool	Enables fast rendering of big content by	
			creating cache file.	
			Example: For oss_license file	
Color	True	Color		TC_W40_01
ColorEnabled	False	Bool	If this property is set to true, the text color	
			can be defined with property 'Color'.	
CultureDependentAlignment	False	Bool	Defines whether the horizontal alignment	
			depends on the culture or not.	
Enable	True	Bool	Enables this widget. Some widgets (for	TC_W40_08
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
HorizontalAlignment	False	Enum		
HorizontalAlignmentEnabled	False	Bool	If this property is set to true, the	
			horizontal alignment can be defined with	
			property 'Horizontal Alignment'.	

InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: Not tested because this property is inherited and will be tested with Enabled-GroupWidget
MaxNumberOfLines	False	UShort	If set to a value greater than zero, text truncation happens at last specified line. If truncation should show an ellipsis ('') at the end, 'text-overflow:ellipsis' has to be defined as style.	
Name	False	CharArı	a)The name of the widget instance	
Node	False	Node2E	The associated node of the widget.	
SliceHeight	False	UShort	The pixel height for all slices. Value 0 defines a slice height that is automatically set to the viewport height.	
SlicedRendering	False	Bool	Enables rendering into separate bitmap slices.	
Source	True	custom:	- String This can either be plain text or a string including HTML tags like This is large blue text URL URL to a resource that holds the HTML formatted text. See property 'Source Type' for supported URL formats.	TC_W40_03

SourceType	False	Enum	Defines how to interpret string property 'Source'. - String Source defines the HTML formatted string. - URL Source is an URL to a resource that holds the HTML formatted string. Format for URL is [scheme]:[authority]/[path]. Currently supported URLs are - asset:path/[path] the path to the source in format shown as Candera Name in property grid. Example: 'asset:path/Resources#sample.html' - asset:id/[id] the asset id as decimal value as defined	
			the asset id as decimal value as defined with property 'Id'. Example: 'asset:id/1000'	
Style	True	custom:	//Stoing user style that overrides the style properties defined by property 'Style Sheet Url'. Example:	TC_W40_04

StyleSheetUrl	False	custom:	//Sithinty/RL in format [scheme]:[authority]/[path] to the HTML style sheet document. See property 'Source Type' for URL examples. The following CSS properties are supported: - background-color - color - display - font-family - font-size - height - line-height - margin-bottom - margin-left - margin-right - margin-top - margin - overflow - padding-bottom - padding-left - padding-right - padding-top - padding - position - text-align - text-overflow	
			- vertical-align - white-space	
TextIdsList	False	austam:	- width //Teixt Idf List t ids used by this widget	
TextStyle	True		e This text style is taken if not defined in	TC_W40_02
Textotyle	Truc	Textisty	HTML style. To define a text style the following CSS properties has to be used (example): - text-family:font-family:Resources#Fonts#Arial - text-size:20px	
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W40_09
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscribion Subscription	Members	Distribu llost
			Scope

ScopeWidget2D

Name: ScopeWidget2D

Description: Sets the scope mask of a node and applies it also to its descendents. Scoping is described in detail in the CGI Studio

documentation. *Category:* Common

Name	Bind able	Туре	Description	Test Scope
ApplyOnDescendents	True	Bool	Applies the node scope mask recursively to all the descendents.	TC_W82_02
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	Ignored: This property has not been supported for testing
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: Not tested because this property is inherited and will be tested with Enabled-GroupWidget
Name	False	CharA	rra The name of the widget instance	
Node	False	Node2	The associated node of the widget.	

ScopeMask	True	UInt	Scope mask to be applied on the associated node and, if configured so, also on descendents. Use a calculator to determine the decimal value containing the required scopes. For example, the decimal value 9 enables Scope 1 and Scope 4.	TC_W82_01
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W82_09
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Na	ame Sul	OSCHI UGES CRIDIION	Members	Distrib	u ifost
					Scope

ScrollBarButtonWidget2D

Name: ScrollBarButtonWidget2D

Description: It triggers scrolling actions for a ScrollBarWidget2D. Its node must be a child of the node of the ScrollBarWidget2D

it should controll *Category:* Range

Name	Bind able	Type	Description	Test Scope
Amount	False	Int	The amount for the change type. For example, if set to 2 and ChangeType is set to Previous, it will request an action to go 2 items back.	
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies the id of the appearance responsible to change, based on widget state (enabled, pressed, active, focused), the images and the colors for the widget node and the descendant nodes. The appearances are registered at start-up.	Ignored: Under development
ChangeType	False	Enum	The type of action that will be issued to the scrollbar.	
ControllerId	True	Short	Identifies the controller attached to this widget1 no controller is attached; 0 default controller for the class is attached (used for derived classes); 1n id of a controller registered at start-up;	Ignored: Id of a controller registered at start-up. It cant be changed during run time
DisabledTouching	True	Bool	Widget can be touched also when it is disabled.	

DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The TTFis simulation for the gesture action is not ready yet.
Drag	True	Bool	Enable drag gesture detection	
DragDirection	False	Enum	Direction in which drag should be detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
EditorFocused	False	Bool	Sets the focused flag in order to preview the appearance in SceneComposer. It has no effect in the simulation or on the target.	
EditorPressed	False	Bool	Sets the pressed flag in order to preview the appearance in SceneComposer. It has no effect in the simulation or on the target.	
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	
FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.

FocusParentNode	False	Node2D	Node of the parent focus group. If it is	
			not specified a search will be performed	
			to find a focus group linked to the closest	
			ancestor node.	
Focusable	True	Bool	Widget can gain the focus.	Ignored: The
				TTFis
				simulation
				for the
				gesture
				action is not
				ready yet.
GestureConfigId	True	UInt	Identifies the gesture configuration used	
			for this widget.	
			Gesture configurations are registered at	
			start-up and attached to widgets using	
			numerical ids (0 is used for the default	
			configuration defined in the widget).	
			For more information please read the	
			gesture configuration chapter in the	
X 1 1 1 1		D 1	widget user guide.	
InheritEnabled	True	Bool	If true then this widget is considered	
			effectively enabled only if both local	
			Enabled and the value inherited from the	
			ancestor EnableGroupWidget2D are true.	
			If this widget has no	
			EnableGroupWidget2D ancestor or	
			InheritEnabled is false then only the local	
			Enabled is used.	
IsActive	True	Bool	Indicates if the button is active. For	TC_W04_02
			toggle/radio button active means	
			checked/selected. For normal button	
			active means that the option/action is	
			active (for example track is playing,	
N.		GI A	station is tuned, etc).	
Name Node	False False		ayThe name of the widget instance The associated node of the widget.	
OnPress	False	Bool	If set to true, then the action is done when	
OllPless	raise	DOOL		
			pressing the button, otherwise it's done	
PinchSpread	True	Bool	when releaseing the button. Enable pinch and spread gesture	Ignored: Not
Finchispread	True	DOOL	detection	tested
			detection	
				because this
				property is inherited and
				not specific
				to this Widget.
PostButtonReactionMsg	False	Bool	ButtonReactionMsg messages will be	winget.
1 OSEDULIOIINEACTIONIVISE	raise	Bool	posted only if this property is true.	
PressHold	True	Bool	Enable hold gesture detection	
PressRepeat	True	Bool	Enable repeat gesture detection	
Позисреш	Truc	DOOL	Enable repeat gesture detection	

RawTouch	True	Bool	Enable raw touch coordinate routing (mainly for hand writing recognition)	Ignored: Not tested because this property is inherited and not specific to this Widget.
Rotate	True	Bool	Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
Swipe	True	Bool	Enable swipe gesture detection	
SwipeDirection	False	Enum	Direction in which swipe should be detected	
Tap	True	Bool	Enable press and tap gesture detection	
TimerConfiguration	False	Enum	Configures the timer.	
TouchHandler	True	Int	Specifies the id of the touch handler for this button. A touch handler can provide a custom sensitive area for buttons (for example circle, triangle, etc). Touch handlers are registered at application start-up.	
TouchPriority	True	UInt	Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.
Touchable	True	Bool	Widget is Touchable or not	
TouchableArea	False		leConfigures the touchable area of the button. X and Y are coordinates relative to the upper left corner of the node effective bounding rectangle. If width or height are zero or negative the effective bounding rectangle of the node will be used as touchable area (X and Y will also be ignored).	TC_W04_03
UserData	True	UInt	Together with the view and the widget identifier, this user data is a parameter to many messages posted by the widgets which can be used in the state machine or in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	Ignored: The infrastructure is in the base widget, No extra information to store here.

Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.

Name	Subscribes cription	Members	Distribu ffest
			Scope

ScrollBarWidget2D

Name: ScrollBarWidget2D

Description: Provides support to scroll through scrollable elements (e.g. a list).

Category: Range

Name	Bind able	Туре	Description	Test Scope
AdditionalPageBackwardNode	False	Node2D	, , ,	
			backward button. This node is not part of	
			the knob movement area.	
AdditionalPageButtons	False	Bool	Use additional page buttons that are not	
			resized and are not part of the knob	
			movement area.	
AdditionalPageForwardNode	False	Node2D	An auxiliary node acting as a page	
			forward button. This node is not part of	
			the knob movement area.	
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies	Ignored:
			the id of the appearance responsible to	Under
			change, based on widget state (enabled,	development
			pressed, active, focused), the images and	
			the colors for the widget node and the	
			descendant nodes. The appearances are	
			registered at start-up.	
BackwardNode	False	Node2D	The node acting as back button.	
ControllerId	True	Short	Identifies the controller attached to this	Ignored: Id
			widget.	of a
			-1 no controller is attached;	controller
			0 default controller for the class is	registered at
			attached (used for derived classes);	start-up. It
			1n id of a controller registered at	cant be
			start-up;	changed
			-	during run
				time

DisabledTouching	True	Bool	Widget can be touched also when it is disabled.	Ignored: Not tested because this property is inherited and not specific to this Widget.
DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The TTFis simulation for the gesture action is not ready yet.
Drag	True	Bool	Enable drag gesture detection	Ignored: ScrollBar- Widget2D is implemented to consume only Legacy- Touch gesture events. No reaction on touching the nodes when Drag is enabled.
DragDirection	False	Enum	Direction in which drag should be detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DynamicSliderSize	False	Bool	Whether or not the slider size shall reflect the number of items in the list, if set to true the specified slider size will represent the minimum size.	
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	TC_W83_08

FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is	3 3
			not specified a search will be performed	
			to find a focus group linked to the closest	
F 1.1.	T	D 1	ancestor node.	I The second of the second
Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not
ForwardNode	False	N- 1-2D	The made actions as formand button	ready yet.
GestureConfigId	True	Node2D UInt	The node acting as forward button. Identifies the gesture configuration used	Ignored: Not
			for this widget. Gesture configurations are registered at start-up and attached to widgets using numerical ids (0 is used for the default configuration defined in the widget). For more information please read the gesture configuration chapter in the widget user guide.	tested because this property is inherited and not specific to this Widget.
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: Not tested because this property is inherited and will be tested with Enabled-GroupWidget
KnobDragMode	False	Enum	The mode the knob(slider) moves when dragged: ListPosition follows the list current position relative to its whole content; PointerPosition follows the pointer.	TC_W30_01
Name	False		The name of the widget instance	
Node	False	Node2D	The associated node of the widget.	

OverscrollSize	True]	Float	The percentage of one of the overscroll areas relative to the size of the slider back. There are two regions of overscroll: one at the beginning of the scrollbar and one at the end.	TC_W83_02
PageBackwardNode	False	Node2D	The node acting as a page back button; the part between the knob and BackwardNode.	
PageForwardNode	False	Node2D	The node acting as a page forward button; the part between the knob and ForwardNode.	
PinchSpread	True	Bool	Enable pinch and spread gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
PressHold	True	Bool	Enable hold gesture detection	Ignored: ScrollBar- Widget2D is implemented to consume only Legacy- Touch gesture events. No reaction on touching the nodes when PressHold is enabled.
PressRepeat	True	Bool	Enable repeat gesture detection	Ignored: ScrollBar- Widget2D is implemented to consume only Legacy- Touch gesture events. No reaction on touching the nodes when PressRepeat is enabled.
RawTouch	True	Bool	Enable raw touch coordinate routing (mainly for hand writing recognition)	Ignored: Not tested because this property is inherited and not specific to this Widget.

RepeatMessage	False	UInt	The time between triggering two consecutive events(back, forward, pageBack or pageForward) when the corresponding button is kept pressed.	
Rotate	True	Bool	Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
ScrollableNode	False	Node2D	The node containing a FlexScrollable widget.	
SliderNode	False	Node2D	The node that will act as a slider and can be dragged. Its parent must be the ancestor of the PageBackwardNode and PageForwardNode.	
SliderSize	True	Float	The percentage of the slider size relative to the size of the slider back.	TC_W83_01
Swipe	True	Bool	Enable swipe gesture detection	Ignored: ScrollBar- Widget2D is implemented to consume only Legacy- Touch gesture events. No reaction on touching the nodes when Swipe is enabled.
SwipeDirection	False	Enum	Direction in which swipe should be detected	
Тар	True	Bool	Enable press and tap gesture detection	Ignored: ScrollBar- Widget2D is implemented to consume only Legacy- Touch gesture events. No reaction on touching the nodes when Tap is enabled.

TouchPriority	True	UInt	Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.
Touchable	True	Bool	Widget is Touchable or not	TC_W83_08
TrackPressMode	False	Enum	Specifies the scrollbar behavior when it is touched either above or below the knob - PageScroll: The list is scrolled one page up / down, JumpToTouchCoordinate: Causes the knob to jump to the touch coordinate	
UserData	True	UInt	Together with the view and the widget identifier, this user data is a parameter to many messages posted by the widgets which can be used in the state machine or in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	Ignored: The infrastructure is in the base widget, No extra information to store here.
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W83_09
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscr	il l@es cription	Members	Distrib	u ffost
					Scope
ScrollBarBubble	Up GldA1s igo	ller,	Event: enBub-	sequen	tial
	Model		bleEvent::Enu	n.	
			RegionIndex: FeatStd::UInt.		
			Text: FeatStd::String +	; .	

ScrollableRichTextWidget2D

Name: ScrollableRichTextWidget2D

Description: Provides vertical scrolling support for rich text. See Widget User Guide for details on how to use this widget.

Category: RichText

Bind	Type	Description	Test Scope
True	UInt	1	Ignored:
		1	Under
			development
		pressed, active, focused), the images and	
		the colors for the widget node and the	
		descendant nodes. The appearances are	
		registered at start-up.	
True	Short	Identifies the controller attached to this	Ignored: Id
		widget.	of a
		-1 no controller is attached;	controller
		0 default controller for the class is	registered at
		attached (used for derived classes);	start-up. It
			cant be
		start-up;	changed
			during run
			time
True	Bool	Widget can be touched also when it is	Ignored:
		disabled.	This
			property is
			inherited and
			only works
			for Button
			and Slider
			widgets.
	able True	able True UInt True Short	True UInt UNDER DEVELOPMENT! Specifies the id of the appearance responsible to change, based on widget state (enabled, pressed, active, focused), the images and the colors for the widget node and the descendant nodes. The appearances are registered at start-up. True Short Identifies the controller attached to this widget. -1 no controller is attached; 0 default controller for the class is attached (used for derived classes); 1n id of a controller registered at start-up; True Bool Widget can be touched also when it is

DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The TTFis simulation for the gesture action is not ready yet.
Drag	True	Bool	Enable drag gesture detection	TC_W39_01
DragDirection DragDirection	False	Enum	Direction in which drag should be detected	1C_W37_01
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	TC_W39_08
FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	
Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not ready yet.

GestureConfigId	True	UInt	Identifies the gesture configuration used	TC_W39_04
į.			for this widget.	
			Gesture configurations are registered at	
			start-up and attached to widgets using	
			numerical ids (0 is used for the default	
			configuration defined in the widget).	
			For more information please read the	
			gesture configuration chapter in the	
T.1. WE 11.1	TD.	D 1	widget user guide.	NY 4 4 1
InheritEnabled	True	Bool	If true then this widget is considered	Not tested
			effectively enabled only if both local	because this
			Enabled and the value inherited from the	property is
			ancestor EnableGroupWidget2D are true.	inherited and
			If this widget has no	will be
			EnableGroupWidget2D ancestor or	tested with
			InheritEnabled is false then only the local	Enabled-
			Enabled is used.	GroupWid-
				get
Name	False		a)The name of the widget instance	
Node	False		The associated node of the widget.	
PinchSpread	True	Bool	Enable pinch and spread gesture	Ignored: Not
			detection	tested
				because this
				property is
				inherited and
				not specific
				to this
				Widget.
PressHold	True	Bool	Enable hold gesture detection	TC_W39_06
PressRepeat	True	Bool	Enable repeat gesture detection	Ignored:
			1 0	This
				property is
				inherited and
				not specific
				to this
				Widget.
RawTouch	True	Bool	Enable raw touch coordinate routing	Ignored: Not
Naw Touch	Truc	Door	(mainly for hand writing recognition)	
i e e e e e e e e e e e e e e e e e e e				tected
			(mainly for hand writing recognition)	tested
			(mainly for hand writing recognition)	because this
			(mainly for hand writing recognition)	because this property is
			(mainly for hand writing recognition)	because this property is inherited and
			(mainly for hand writing recognition)	because this property is inherited and not specific
			(mainly for hand writing recognition)	because this property is inherited and not specific to this
				because this property is inherited and not specific to this Widget.
Rotate	True	Bool	Enable rotate gesture detection	because this property is inherited and not specific to this Widget. Ignored: Not
Rotate	True	Bool		because this property is inherited and not specific to this Widget. Ignored: Not tested
Rotate	True	Bool		because this property is inherited and not specific to this Widget. Ignored: Not tested because this
Rotate	True	Bool		because this property is inherited and not specific to this Widget. Ignored: Not tested
Rotate	True	Bool		because this property is inherited and not specific to this Widget. Ignored: Not tested because this
Rotate	True	Bool		because this property is inherited and not specific to this Widget. Ignored: Not tested because this property is
Rotate	True	Bool		because this property is inherited and not specific to this Widget. Ignored: Not tested because this property is inherited and not specific
Rotate	True	Bool		because this property is inherited and not specific to this Widget. Ignored: Not tested because this property is inherited and not specific to this
			Enable rotate gesture detection	because this property is inherited and not specific to this Widget. Ignored: Not tested because this property is inherited and not specific to this Widget.
Rotate	True	Bool		because this property is inherited and not specific to this Widget. Ignored: Not tested because this property is inherited and not specific to this

SwipeDeceleration	False	UInt	Scroll deceleration for swipe gesture in [pixel / s ²]	
SwipeDirection	False	Enum	Direction in which swipe should be detected	
SwipeMaxDistance	False	UInt	If swipe velocity and configured deceleration would result in a scroll distance that is greater than this value, the deceleration is increased to limit the scroll distance.	
			A value of 0 means no limit.	
Tap	True	Bool	Enable press and tap gesture detection	TC_W39_05
TouchPriority	True	UInt	Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.
Touchable	True	Bool	Widget is Touchable or not	TC_W39_07
UserData	True	UInt	Together with the view and the widget identifier, this user data is a parameter to many messages posted by the widgets which can be used in the state machine or in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	Ignored: The infrastructure is in the base widget, No extra information to store here.
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W39_09
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscritt@escription	Members	Distrib	u llost
				Scope

ScrollableRichText Opath	ler,	CurrentScrollPos	tisæquen	ti alC_W 39_03
View,		Feat-		
Mode		Std::UInt32.		
		MaxScrollPositio	n:	
		Feat-		
		Std::UInt32.		
		+		

ScrollableTextWidget2D

Name: ScrollableTextWidget2D

Description: Allows the display of formated, multiline texts.

Category: Text

Name	Bind able	Type	Description	Test Scope
AlphaValue	True	Float	Sets the alpha value to of the associated node.	TC_W20_03
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies the id of the appearance responsible to change, based on widget state (enabled, pressed, active, focused), the images and the colors for the widget node and the descendant nodes. The appearances are registered at start-up.	Ignored: Under development
ColorTable	False	custom:	//Klontains all colors which will be used whenever a '\cxx' is found in the text.	TC_W20_06
ControllerId	True	Short	Identifies the controller attached to this widget1 no controller is attached; 0 default controller for the class is attached (used for derived classes); 1n id of a controller registered at start-up;	Ignored: Id of a controller registered at start-up. It cant be changed during run time
CultureDependentAlignment	False	Bool	If disabled then HLeft and HRight will be inverted for cultures with right to left text direction	

DisabledTouching	True	Bool	Widget can be touched also when it is disabled.	Ignored: This widget property is deprecated and has been replaced in Scrollab- leRichTex- tWidget.
DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The TTFis simulation for the gesture action is not ready yet.
Drag	True	Bool	Enable drag gesture detection	Ignored: This widget property is deprecated and has been replaced in Scrollab- leRichTex- tWidget.
DragDirection	False	Enum	Direction in which drag should be detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	TC_W20_04

FileName	True	custom:	//Stidingame of the text that will be diplayed if the TextMode is set to SourceFile.	Ignored: Not tested because this property is having a reported problem but the fix is not available. Kindly see in RTC_668420.
FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	
Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not ready yet.
GestureConfigId	True	UInt	Identifies the gesture configuration used for this widget. Gesture configurations are registered at start-up and attached to widgets using numerical ids (0 is used for the default configuration defined in the widget). For more information please read the gesture configuration chapter in the widget user guide.	Ignored: This widget property is deprecated and has been replaced by Scrollab- leRichTex- tWidget.
HorizontalAlignment	False	Enum	Horizontal alignment of the text. RT_Leading: Aligns text to the left side for LTR and right side for RTL texts. RT_Middle: Aligned to the center. RT_Trailing: Aligns text to the right side for LTR and left side for RTL texts.	

InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: This widget property is deprecated and has been replaced by Scrollab- leRichTex- tWidget.
LinespacingFactor	False	Float	Line spacing used in mutli line source string.	
Name	False	CharAr	ra)The name of the widget instance	
Node	False		The associated node of the widget.	
NormalTextColor	False	Color	Default color to be used to display the text.	
PinchSpread	True	Bool	Enable pinch and spread gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
PostUpdateMessage	False	Bool	Decision on posting ScrollableTextUpdMsg when there is a change in current and maximum scroll position value is decided based on this property	
PressHold	True	Bool	Enable hold gesture detection	Ignored: This widget property is deprecated and has been replaced in Scrollab- leRichTex- tWidget.
PressRepeat	True	Bool	Enable repeat gesture detection	Ignored: This widget property is deprecated and has been replaced in Scrollab- leRichTex- tWidget.
RawTouch	True	Bool	Enable raw touch coordinate routing (mainly for hand writing recognition)	Ignored: Not tested because this property is inherited and not specific to this Widget.

Rotate	True	Bool	Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
ScrollableTextId	False	UInt	Unique identifier of the scrollable text	
Style	False	TextSty	eDefault style to be used for text rendering.	
Swipe	True	Bool	Enable swipe gesture detection	Ignored: This widget property is deprecated and has been replaced in Scrollab- leRichTex- tWidget.
SwipeDirection	False	Enum	Direction in which swipe should be detected	
SwipeFriction	False	Int	Controlls the intensity of swipe. Increasing the friction decreases the swipe intensity	
TabStopTable	False	custom:	//Clentains all tab stop positions which will be used whenever a '\txx' is found in the text.	TC_W20_06
Тар	True	Bool	Enable press and tap gesture detection	Ignored: This widget property is deprecated and has been replaced in Scrollab- leRichTex- tWidget.
Text	True	custom:	//Striatgo be displayed.	TC_W20_01
TextAreaSize	True	Vector2	The text area size to be used for truncation and alignment calculations.	TC_W20_02
TextId	True	UInt	Id of the text that will be diplayed if the TextMode is set to SourceTextId.	Ignored: This widget property is deprecated and has been replaced in Scrollab- leRichTex- tWidget.
TextIdsList	False	custom:	//TeixtIoff_tisxt ids used by this widget	
TextSource	True	Enum	Controlls which source should be used as input.	TC_W20_01

TextWrapMode	False	Enum	Controlls how to long lines should be wrapped. RT_WrapNone: No wrapping happens. RT_WrapWords: Whole words will be wrapped. If the word doesn't fit inside an empty line RT_WrapCharacters will be used. RT_WrapCharacters: Individual characters will be wrapped. If no character fits an empty line at least one will be drawn.	
TouchPriority	True	UInt	Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.
Touchable	True	Bool	Widget is Touchable or not	Ignored: This widget property is deprecated and has been replaced in Scrollab- leRichTex- tWidget.
UserData	True	UInt	Together with the view and the widget identifier, this user data is a parameter to many messages posted by the widgets which can be used in the state machine or in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	Ignored: The infrastructure is in the base widget, No extra information to store here.
VerticalAlignment	False	Enum	Vertical alignment of the text. RT_Leading: Aligns text to the top side for TTB and bottom side for BTT texts. RT_Middle: Aligned to the center. RT_Trailing: Aligns text to the bottom side for TTB and top side for BTT texts.	
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W20_05
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscr	i ldes cription	Members	Distrib	u ffost
					Scope
ScrollableTextUp	d Mog tro	ller,	CurrentScrollPosi	tisæquen	tial
	View,		Courier::UInt32.		
	Model				
			MaxScrollPositio	n:	
			Courier::UInt32.		
			+		

SimpleButtonWidget3D

Name: SimpleButtonWidget3D

Description: Provide a simple 3D button, this button should link a kind of 3D note (billboard, mesh...), it also contains several

states (enabled/disabled, pressed), all these states can be configured with a bitmap

Category: Button3D

Name	Bind able	Туре	Description	Test Scope
ControllerId	True	Short	Identifies the controller attached to this widget1 no controller is attached; 0 default controller for the class is attached (used for derived classes); 1n id of a controller registered at start-up;	Ignored: Id of a controller registered at start-up. It cant be changed during run time
DisabledBitmap	True	Bitmap	Bitmap used inside the texture of Apperance when Button is disabled	
Enabled	False	Bool	Enabled: Enable or disable the widget	
Name	False	CharArr	ayThe name of the widget instance	
Node	False	Node3D	The associated node of the widget.	
NormalBitmap	True	Bitmap	Bitmap used inside the texture of Apperance when Button is enabled, not pressed	
PressedBitmap	True	Bitmap	Bitmap used inside the texture of Apperance when Button is pressed, enabled	

TouchPriority	False	UInt	Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.
Touchable	True	Bool	Widget is Touchable or not	
UserData	True	UInt	Together with the view and the widget identifier, this user data is a parameter to many messages posted by the widgets which can be used in the state machine or in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	Ignored: The infrastructure is in the base widget, No extra information to store here.

Name	Subscribes cription	Members	Distribu lfost
			Scope

SizeWidget2D

Name: SizeWidget2D

Description: Controls the size property of a node.

Category: Layout

Name	Bind able	Type	Description	Test Scope
Enable	True	Bool	Enables this widget. Some widgets (for	Ignored: Not
			example button) use this property while	tested
			others ignore it.	because this
			If InheritEnabled is true then this widget	property is
			is considered effectively enabled only if	inherited and
			both local Enabled and the value	not specific
			inherited from the ancestor	to this
			EnableGroupWidget2D are true.	Widget.
InheritEnabled	True	Bool	If true then this widget is considered	Ignored: Not
			effectively enabled only if both local	tested
			Enabled and the value inherited from the	because this
			ancestor EnableGroupWidget2D are true.	property is
			If this widget has no	inherited and
			EnableGroupWidget2D ancestor or	not specific
			InheritEnabled is false then only the local	to this
			Enabled is used.	Widget.
Name	False	CharArr	a)The name of the widget instance	
NestedLevel	True	UInt	UInt The ancestor's level, relative to the	
			associated node, that will have the Size	
			property modified.	
Node	False	Node2D	The associated node of the widget.	
Size	True	Vector2	The value to set for the Size property of	TC_W84_01
			the ancestor node.	

Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W84_09
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscribes cription	Members	Distribu ffest
			Scope

SliderWidget2D

Name: SliderWidget2D

Description: The slider is the widget for controlling a value by positioning a knob / thumb in a legal range.

Category: Range

Name	Bind	Type	Description	Test Scope
	able			
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies	Ignored:
			the id of the appearance responsible to	Under
			change, based on widget state (enabled,	development
			pressed, active, focused), the images and	
			the colors for the widget node and the	
			descendant nodes. The appearances are	
			registered at start-up.	
BitmapFillNode	False	Node2D	Node to be used for the bitmap	
			corresponding to the current value.	
ContinuousUpdateOnDrag	False	Bool	Set to true if value updates are required	
			while dragging, set to false if update is	
			required only at the end of drag.	
ControllerId	True	Short	Identifies the controller attached to this	Ignored: Id
			widget.	of a
			-1 no controller is attached;	controller
			0 default controller for the class is	registered at
			attached (used for derived classes);	start-up. It
			1n id of a controller registered at	cant be
			start-up;	changed
				during run
				time
CurrentValue	True	Float	Current value of the slider marker, should	TC_W14_04
			be in the range between MinVal and	
			MaxVal.	
DisabledTouching	True	Bool	Widget can be touched also when it is	TC_W14_01
			disabled.	

DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The TTFis simulation for the gesture action is not ready yet.
Drag	True	Bool	Enable drag gesture detection	
DragDirection	False	Enum	Direction in which drag should be detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	TC_W14_03
FillerPositionIsKnobCenter	False	Bool	Filler starts at center of marker, for example round knob.	
FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	

Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not ready yet.
GestureConfigId	True	UInt	Identifies the gesture configuration used for this widget. Gesture configurations are registered at start-up and attached to widgets using numerical ids (0 is used for the default configuration defined in the widget). For more information please read the gesture configuration chapter in the widget user guide.	Ignored: Not tested because this property is inherited and not specific to this Widget.
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: Not tested because this property is inherited and will be tested with Enabled-GroupWidget
MarkerMovement	False	Enum	Defines the way the slider marker moves on tap or drag. For TimedStepMovement the marker will move one step on Press and will keep moving one step for every Repeat, this means that PressRepeat needs to be enabled and Drag needs to be disabled to prevent jumping on Drag.	
MarkerNode	False	Node2D		
MarkerNormalBitmap	False	UInt	DEPRECATED! Use the appearance concept to change bitmaps based on state.	
MarkerSelectedBitmap	False	UInt	DEPRECATED! Use the appearance concept to change bitmaps based on state.	
MaxVal	True	Float	Maximum value for slider at last marker (e.g Tuner 108.0 Mhz)	TC_W14_07
MinVal	True	Float	Minimum value for slider at first marker (e.g Tuner 88.0 Mhz)	TC_W14_06
Name	False	CharArr	a)The name of the widget instance	
Node	False	Node2D		
NumOfSteps	True	UShort	Total number steps for the marker movement. The stepsize will be calculated based on given range and number of steps. (e.g. range 020, steps=10 -> stepsize 2)	TC_W14_05
PaddingMaxVal	False	Float	Maximum graphical padding value on right hand, offset in pixel to the last valid marker for maximum value (calculated from the end of the background scale bitmap)	

PaddingMinVal	False F	Float	Minimum graphical padding value on left hand, offset in pixel to the first valid marker for minimum value (calculated from the beginning of the background scale bitmap).	
PinchSpread	True	Bool	Enable pinch and spread gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
PressHold		Bool	Enable hold gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
PressRepeat	True I	Bool	Enable repeat gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
RawTouch	True	Bool	Enable raw touch coordinate routing (mainly for hand writing recognition)	Ignored: Not tested because this property is inherited and not specific to this Widget.
Rotate		Bool	Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
SliderBackGround	False N	Node2D	The Scene Tree Node that renders sliders background grid with scale markers on top.	
SliderOrientation	False I	Enum	Defines the orientation of the slider marker movement and the slider bar.	
StepSize	True F	Float	Defines the stepsize for movement of slidermarker.	TC_W14_05
Swipe	True I	Bool	Enable swipe gesture detection	
SwipeDirection		Enum	Direction in which swipe should be detected	

Тар	True	Bool	Enable press and tap gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
TouchPriority	True	UInt	Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.
Touchable	True	Bool	Widget is Touchable or not	TC_W14_01
UseNumofSteps	False	Bool	If this property is set to true NumOfSteps will be visible and used, else StepSize will be visible and used.	
UserData	True	UInt	Together with the view and the widget identifier, this user data is a parameter to many messages posted by the widgets which can be used in the state machine or in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	Ignored: The infrastructure is in the base widget, No extra information to store here.
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W14_02
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscritt@escription	Members	Distribu ffest
			Scope

SolidColorEffectWidget2D

Name: SolidColorEffectWidget2D

Description: Manipulates the Size and the FillColor properties of the existing SolidColorBrush effect of a RenderNode.

Category: Common

Name	Bind able	Туре	Description	Test Scope
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	Ignored: No test needed for this property because this prop is inherited but not specified for this widget.
FillColor	True	Color	Fill color to be set on the SolidColorBrush effect inside the RenderNode.	TC_W96_01
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: No test needed for this property because this property has not been fully developed.
Name	False	CharAr	raThe name of the widget instance	
Node	False	Node2I	The associated node of the widget.	

Size	True	Vector2	Size to be set on the SolidColorBrush effect inside the RenderNode. The property value is not used if the X field or the Y field is less than zero.	TC_W96_02
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W96_09
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscrib@escription	Members	Distribu ffost
			Scope

SpellerWidget2D

Name: SpellerWidget2D

Description: SpellerWidget2D provides an on-screen keyboard to interact with user input

Category: Input

Name	Bind able	Type	Description	Test Scope
ActivateLayoutIndex	True	UInt	The Layout Index which has to be shown currently	TC_W15_09
ActiveCountry	True	UInt	Name for the clock face image.	TC_W15_04
ActiveLanguage	True	UInt	Currently active language	TC_W15_03
AllCharLayoutDisable	True	Bool	Disable all Char layout buttons	TC_W15_06
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies	Ignored:
			the id of the appearance responsible to	Under
			change, based on widget state (enabled,	development
			pressed, active, focused), the images and	
			the colors for the widget node and the	
			descendant nodes. The appearances are	
			registered at start-up.	
AutoLayoutToggle	True	Bool	Auto Toggle Layout Based on	TC_W15_07
			ValidCharSet and layout sequence in	
			Match Mode	
ConfigureFocusGroup	True	Bool	Focus group is configured explicitelly or	Ignored: The
			uses default configuration.	TTFis
				simulation
				for the
				gesture
				action is not
				ready yet.
ConfigureSpellerScenes	False	Bool	Replace the render target of the cameras	
			in the speller layout scenes with the one	
			associated to the first camera in current	
			scene.	

ControllerId	True	Short	Identifies the controller attached to this widget1 no controller is attached; 0 default controller for the class is attached (used for derived classes); 1n id of a controller registered at start-up;	Ignored: Id of a controller registered at start-up. It cant be changed during run time
DefaultFocusOrder	True	Short	Focus order of the element which should become focused when this group becomes active.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DisabledTouching	True	Bool	Widget can be touched also when it is disabled.	Ignored: inheritied property.
DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The TTFis simulation for the gesture action is not ready yet.
Drag	True	Bool	Enable drag gesture detection	Ignored: inheritied property.
DragDirection	False	Enum	Direction in which drag should be detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	TC_W15_08

FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusLayer	True	Short	Specifies to which focus layer this group belongs. There should be distinct layers for main surface screens, subspeller, popups to prevent focusing of elements in the main screen when a popup is displayed. Only elements in the groups with the highest layer will be focused.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	
FocusWrapAround	True	Bool	Focus wraps around to first/last element.	Ignored: The TTFis simulation for the gesture action is not ready yet.
Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not ready yet.
GestureConfigId	True	UInt	Identifies the gesture configuration used for this widget. Gesture configurations are registered at start-up and attached to widgets using numerical ids (0 is used for the default configuration defined in the widget). For more information please read the gesture configuration chapter in the widget user guide.	Ignored: inheritied property.
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: inheritied property.

KeypadFormat	True	Enum	Currently active keypad format - e.g. QWERTY or QBC.	TC_W15_02
Mode	False	Enum The SpellerMode - either FreeMode or MatchMode.		
Name	False	CharAr	ra\The name of the widget instance	
Node	False		The associated node of the widget.	
PinchSpread	True	Bool	Enable pinch and spread gesture detection	Ignored: Not tested because this property is inherited and not specific to this
PreserveFocus	True	Bool	Current focused element is preserved when group becomes inactive.	Widget. Ignored: The TTFis simulation for the gesture action is not ready yet.
PressHold	True	Bool	Enable hold gesture detection	Ignored: inheritied property.
PressRepeat	True	Bool	Enable repeat gesture detection	Ignored: inheritied property.
Rotate	True	Bool	Enable raw touch coordinate routing (mainly for hand writing recognition) Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget. Ignored: Not tested because this property is inherited and not specific to this Widget.
SpellerKeyPressed	True		//Stwingdate EditField when Speller is in FreeMode.	TC_W15_01
SpellerScenesPath	False	custom:	//Strinspeller layout scenes should be in this Candera path.	
Swipe	True	Bool	Enable swipe gesture detection	Ignored: inheritied property.
SwipeDirection	False	Enum	Direction in which swipe should be detected	
Тар	True	Bool	Enable press and tap gesture detection	Ignored: inheritied property.

TouchPriority	True	UInt	Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.
Touchable	True	Bool	Widget is Touchable or not	Ignored: inheritied property.
Туре	False	Enum	Speller type.	property.
UseOnlyButtonsWithText	False	Bool	If enabled only the buttons which have a text widget will be used for the speller layout (legacy behaviour), otherwise all the buttons will be used allowing to use non text buttons for control/delete/space	
UserData	True	UInt	Together with the view and the widget identifier, this user data is a parameter to many messages posted by the widgets which can be used in the state machine or in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	Ignored: The infrastructure is in the base widget, No extra information to store here.
UserDefinedSequence	True	custom:	//StrimDefined Sequence	TC_W15_05
ValidCharSet	True	custom:	//Staling char set, requested by match mode	TC_W15_10
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	Ignored: This property is intentionally not handled.
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	
ZeroKeyLongPressed	False	Bool	To update zero long press with '+' sign	

ĺ	Name	Subscr	ib Des cription	Members	Distrib	น นิอร t
						Scope

SpellerCtrlKeyPr	es@athtro	ll Gourier Message from Speller to notify the	CtrlKeyChar:		TC_W15_1	1
	Model.		Courier::UInt32.			
	View	- This message is applicable for both FreeMode and	+			
	'10''	MatchMode Speller	'			
		- ViewId: corresponds to the view from where the				
		message is fired				
		- Sender: corresponds to the widget instance which				
		fires the message				
		- CtrlKeyChar: corresponds to the UCS4(UTF-32)				
		encoded code point Control character which is				
		pressed				
SpellerKeyPresse	d Model	Courier Message from Speller to notify the	KeyChar: Can-		TC_W15_1	2
		subscribers about the key pressed	dera::String.			
		- This message is fired only in Match mode. In Free	+			
		mode, the character pressed is updated via				
		DataBinding				
		- ViewId: corresponds to the view from where the				
		message is fired				
		- Sender: corresponds to the widget instance which				
		fires the message				
		- KeyChar: corresponds to the character which is				
		pressed (will be changed to UCS4(UTF-32) encoded				
		code point in future)				
SpallerStatusChar	n oldibli no	Msgurier Message which Speller expects when its			TC W15 1	2
Spencistatusena	Model				1C_W15_1	1
	Wiodei					
		dynamically.				
		- This message notifies Speller to re-evaluate the				
		focus handling (if required).				
		- Do note that this message is applicable only for				
		FreeMode Speller and should not never be fired in				
		MatchMode Speller -				
		- as the focus handling in MatchMode will always be				
		re-evaluated on receiving the update for				
		ValidCharSet.				
SubSpellerStatus	UpadMing	llerourier Message to notify the status of a Sub Speller	KeyChar: Can-	sequen	ti alC_W15_ 1	4
	Model	,	dera::String.			
		- ViewId: corresponds to the view from where the				
		message is fired	Status:			
		- Sender: corresponds to the widget instance which	hmibase::widget:	speller::	enSubSpllerS	tatus::Er
		fires the message	+			
		- KeyChar: corresponds to the character which is				
		pressed (will be changed to UCS4(UTF-32) encoded				
		code point in future)				
		- Status: Sub Speller status like sub Speller shown,				
		hidden etc				
		<u> </u>	<u> </u>			_

StepAnimationWidget2D

Name: StepAnimationWidget2D

Description: Provides support to animate properties with discrete values. This has the advantage that update is not performed continously resulting in reduced CPU usage. It is suited for wait animations, blink animations and other situations when animations have to run for a longer time. The widget uses a timer to trigger the updates and this timer can be shared between multiple instances so they all update in the same time.

Category: Animation

Name	Bind	Type	Description	Test Scope
	able		_	
AnimatedWidget	False	Widget	Widget to be animated.	
ChannelCount	False	Byte	Channel count specifies how many values	
			are required for each keyframe.	
			Depending on the type of the animated	
			property the number of values for each	
			keyframe is between 1 and 4.	
			1 value is required for simple types (bool,	
			int, float);	
			2 values are required for Vector2;	
			3 values are required for Vector3;	
			4 values are required for Color, Rectangle	
			and Margin;	
			For example if it is required to animate a	
			property of type Vector2, the	
			ChannelCount must be specified as 2 so	
			that 2 values will be required for each	
			keyframe (values at positions 0 and 1 are	
			for the first keyframe and so on).	

Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	Ignored: This property has not been supported for testing for this widget
EndKeyframeIndex	True	Int	Index of the keyframe which will be set when the animation is stopped. Useful for blink animations where the final node state should be visble.	TC_W86_02
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: This property is dependent on Enable- GroupWid- get2D, so it will be tested in En- ableGroup- Widget2D section.
Name	False	CharArı	ayThe name of the widget instance	
Node	False	Node2D	The associated node of the widget.	
Property Animation	False	Enum	Identifies the property which has to be animated. Additional information is required for widget properties.	
SharedTimerInstance	True	Byte	Identifies the shared instance of the internal timer. Within the same scene all widgets can use the same timer instance so that they are updated in the same time.	
ShouldRun	True	Bool	Animation runs when this property is enabled.	TC_W86_01
TimerDelay	True	UInt	Timeout used by the timer. If multiple widgets share the same timer, only the timeout value of the first started animation will be used.	TC_W86_04
Values	False	Float	Stores the keyframe values. Depending on the type of the animated property the number of values for each keyframe is between 1 and 4. 1 value is required for simple types (bool, int, float); 2 values are required for Vector2; 3 values are required for Vector3; 4 values are required for Color, Rectangle and Margin;	
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W86_09

VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	
WidgetProperty	False	custom:	//SM/indget property to be animated.	

Name	Subscribescription	Members	Distribu ffest
			Scope

SurfaceInputRegionWidget2D

Name: SurfaceInputRegionWidget2D

Description: Marks a node in the scene as Wayland input region as required for Gen4.

Category: Input

Name	Bind	Type	Description	Test Scope
	able			
Enable	True	Bool	Enables this widget. Some widgets (for	
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
InheritEnabled	True	Bool	If true then this widget is considered	
			effectively enabled only if both local	
			Enabled and the value inherited from the	
			ancestor EnableGroupWidget2D are true.	
			If this widget has no	
			EnableGroupWidget2D ancestor or	
			InheritEnabled is false then only the local	
			Enabled is used.	
Name	False	CharArr	a)The name of the widget instance	
Node	False	Node2D	The associated node of the widget.	
Operation	True	Enum	Configures how this input region is used:	
			Ignore - not used	
			Add - used as a touchable rectangle on	
			the surface	
			Subtract - used as non touchable	
			rectangle on the surface	

Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.

Name	Subscribes cription	Members	Distribu ffest
			Scope

SurfaceRegionWidget2D

Name: SurfaceRegionWidget2D

Description: Marks a node in the scene as Wayland input or opaque region as required for Gen4.

Category: Common

Name	Bind	Туре	Description	Test Scope
D 11	able	P 1		
Enable	True	Bool	Enables this widget. Some widgets (for	
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
InheritEnabled	True	Bool	If true then this widget is considered	
			effectively enabled only if both local	
			Enabled and the value inherited from the	
			ancestor EnableGroupWidget2D are true.	
			If this widget has no	
			EnableGroupWidget2D ancestor or	
			InheritEnabled is false then only the local	
			Enabled is used.	
InputOperation	True	Enum	Configures the input region:	
• •			Ignore - not used	
			Add - used as a touchable rectangle on	
			the surface	
			Subtract - used as non touchable	
			rectangle on the surface	
Name	False	CharAr	ra)The name of the widget instance	
Node	False	Node2I		

OpaqueOperation	True	Enum	Configures the opaque region: Ignore - not used Add - used as an opaque rectangle on the surface Subtract - used as non opaque rectangle on the surface
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.

Name	Subscri	ill des cription	Members	Distrib	น โยง ร์
					Scope

SwitchWidget2D

Name: SwitchWidget2D

Description: Sets the RenderingEnabled property of is children nodes based on the index property (allowing to switch between

nodes by a bindable widget property).

Category: Common

Name	Bind able	Туре	Description	Test Scope
BitmaskEnabled	True	Bool	If set to true, the Index will be considered as bitmask and each bit will toggle the visibility of a node. Bit 0 from Index will control the first child node, bit 1 the second child node, etc. Up to 32 nodes can be controlled this way.	TC_W87_02
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	Ignored: This derived property is not used in Switch widget.
Index	True	UInt	Index of the associated node's child that will be visible.	TC_W87_01
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: This property has no imple- mentation in Switch widget.
Name	False	CharA	rraThe name of the widget instance	

Node	False	Node2D	The associated node of the widget.	
Visible	True	Bool	Configures the node property	TC_W87_09
			EnableRendering which is used to	
			determine if the node is rendered or not.	
			A node is effectively rendered if it and all	
			its ancestors have rendering enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	

Name	Subscrib@escription	Members	Distribu ffest
			Scope

TextAreaWidget2D

Name: TextAreaWidget2D

Description: Renders formated text into a given area.

Category: Text

Name	Bind able	Туре	Description	Test Scope
ActiveTextColor	True	Color	Color to be used to display the text in active state.	TC_W19_02
AlphaValue	True	Float	Sets the alpha value to of the associated node.	TC_W19_01
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies the id of the appearance responsible to change, based on widget state (enabled, pressed, active, focused), the images and the colors for the widget node and the descendant nodes. The appearances are registered at start-up.	Ignored: Under development
ControllerId	True	Short	Identifies the controller attached to this widget1 no controller is attached; 0 default controller for the class is attached (used for derived classes); 1n id of a controller registered at start-up;	Ignored: Id of a controller registered at start-up. It cant be changed during run time
DisabledTextColor	True	Color	Color to be used to display the text in disabled state.	TC_W19_03

DisabledTouching	True	Bool	Widget can be touched also when it is disabled.	Ignored: Not tested because this property is inherited and not specific to this Widget.
DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The TTFis simulation for the gesture action is not ready yet.
Drag	True	Bool	Enable drag gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
DragDirection	False	Enum	Direction in which drag should be detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	Ignored: Not tested because this property is inherited and not specific to this Widget.
EnableDynamicText	True	Bool	Enables dynamic text processing.	Ignored: Not tested because this property is inherited and not specific to this Widget.

Enabled	True	Bool	Sets of the text to Enabled/Disabled state.	Ignored: Not tested because this property is inherited and not specific to this Widget.
FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	
Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not ready yet.
GestureConfigId	True	UInt	Identifies the gesture configuration used for this widget. Gesture configurations are registered at start-up and attached to widgets using numerical ids (0 is used for the default configuration defined in the widget). For more information please read the gesture configuration chapter in the widget user guide.	Ignored: Not tested because this property is inherited and not specific to this Widget.
HighlightCount	True	UShort	The number of the characters which are highlighted. This property is ignored if HighlightText is set.	TC_W19_06
HighlightMode	True	Enum	Switch between start/count and string based highlighting.	TC_W19_04
HighlightStartIndex	True	UShort	The index of the character where the highlighting starts. This property is ignored if HighlightText is set.	TC_W19_06
HighlightText	True		//Suring tring of the set text which should be highlighted. Only the first occurrance will be highlighted.	TC_W19_07
HighlightTextColor	True	Color	Color for highlighted text characters.	TC_W19_05

HorizontalAlignment	False	Enum	Horizontal alignment of the text. RT_Leading: Aligns text to the left side for LTR and right side for RTL texts. RT_Middle: Aligned to the center. RT_Trailing: Aligns text to the right side for LTR and left side for RTL texts.	
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: Not tested because this property is inherited and will be tested with Enabled-GroupWidget
ItemOrder	False	Byte	Item order for widget which would be useful inside a list.	
LinespacingFactor	False	Float	LineSpacing used e.g. buttons with two lines, a value of one is the font height	
MaximumNumberOfLines	False	UShort	Maximum Number Of Lines, default is one.	
MultiLineLayouting	False	Bool	Sets the property of MultiLineLayouting to show content in multiple lines	
Name	False	CharArı	a)The name of the widget instance	
Node	False		The associated node of the widget.	
NormalTextColor	False	Color	Default color to be used to display the text.	
PinchSpread	True	Bool	Enable pinch and spread gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
PressHold	True	Bool	Enable hold gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
PressRepeat	True	Bool	Enable repeat gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.

RawTouch	True	Bool	Enable raw touch coordinate routing (mainly for hand writing recognition)	Ignored: Not tested because this property is inherited and not specific to this Widget.
Rotate	True	Bool	Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
ScrollEndDelay	True	UShort	Delay after the scrolling reached the end position in milliseconds before jumping to the normal position.	Ignored: Not tested because this property is not currently activated in the test app
ScrollSpeed	True	UShort	Scroll speed in pixel per seconds.	Ignored: Not tested because this property is not currently activated in the test app
ScrollStartDelay	True	UShort	Delay before the scrolling is started in milliseconds after receiving the start event.	Ignored: Not tested because this property is not currently activated in the test app
Style	False	TextSty	e Default style to be used for text	the test app
Swipe	True	Bool	rendering. Enable swipe gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
SwipeDirection	False	Enum	Direction in which swipe should be detected	
Тар	True	Bool	Enable press and tap gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.

Text	True	custom	//Strintgo be displayed.	Ignored:
ICAL	True	custom:/	Andreas of displayed.	This widget
				property is
				deprecated
				and has been
				replaced in
				RichTex-
				tWidget.
TextAreaSize	True	Vector2	The text area size to be used for	Ignored:
			truncation and alignment calculations.	This widget
				property is
				deprecated
				and has been
				replaced in
				RichTex-
				tWidget.
TextIdsList	False		//TeixtIdf tisxt ids used by this widget	
TextParameter1	True	custom:	/Sthingext will replace any '%1' found in	Ignored:
			the text string. Use '%%x' to write '%x'.	This widget
				property is
				deprecated
				and has been
				replaced in
				TextExten-
				sionWidget.
TextParameter2	True	custom:	//Sthingext will replace any '%2' found in	Ignored:
			the text string. Use '%%x' to write '%x'.	This widget
				property is
				deprecated
				and has been
				replaced in
				TextExten-
				sionWidget.
TextParameter3	True	custom:	//Sthingext will replace any '%3' found in	Ignored:
			the text string. Use '%%x' to write '%x'.	This widget
				property is
				deprecated
				and has been
				replaced in
				TextExten-
				sionWidget.
TextParameter4	True	custom:	//Sithingext will replace any '%4' found in	Ignored:
	1100	23300111./	the text string. Use '%%x' to write '%x'.	This widget
			are continuing. One 10 10 N to write 10 N.	property is
				deprecated
				and has been
				replaced in
				TextExten-
				sionWidget.

TextParameter5 TextParameter6	True		//Sthingext will replace any '%5' found in the text string. Use '%%x' to write '%x'. //Sthingext will replace any '%6' found in the text string. Use '%%x' to write '%x'.	Ignored: This widget property is deprecated and has been replaced in TextExten- sionWidget. Ignored: This widget
				property is deprecated and has been replaced in TextExten- sionWidget.
TextWidgetMode	True	Enum	The widget mode Normal - default mode, Invisible - the text box is not displayed, ColorFill - TextBox is filled with Color, Active - ActiveColor is used	Ignored: This widget property is deprecated and has been replaced in RichTex- tWidget.
TextWrapMode	False	Enum	Controlls how to long lines should be wrapped. RT_WrapNone: No wrapping happens. RT_WrapWords: Whole words will be wrapped. If the word doesn't fit inside an empty line RT_WrapCharacters will be used. RT_WrapCharacters: Individual characters will be wrapped. If no character fits an empty line at least one will be drawn.	
TouchPriority	True	UInt	Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.
Touchable	True	Bool	Widget is Touchable or not	Ignored: Not tested because this property is inherited and not specific to this Widget.
TruncationMode	False	Enum	Text truncation method. Truncation is only active if the text size is bigger than 0. HardTruncation: Characters are cut off hard on text size boundries. SoftTruncation: Only completely fitting characters are displayed. TextTruncation: None fitting characters are substituted with the truncation text.	

TruncationText	False	custom:	//Strimgation text to be rendered.	
UserData	True	UInt	Together with the view and the widget	Ignored: The
			identifier, this user data is a parameter to	infrastruc-
			many messages posted by the widgets	ture is in the
			which can be used in the state machine or	base widget,
			in the data model. Use data binding to	No extra
			change this value dynamically and store	information
			extra information in the widgets.	to store here.
VerticalAlignment	False	Enum	Vertical alignment of the text.	
			RT_Leading: Aligns text to the top side	
			for TTB and bottom side for BTT texts.	
			RT_Middle: Aligned to the center.	
			RT_Trailing: Aligns text to the bottom	
			side for TTB and top side for BTT texts.	
Visible	True	Bool	Configures the node property	Ignored:
			EnableRendering which is used to	This widget
			determine if the node is rendered or not.	property is
			A node is effectively rendered if it and all	deprecated
			its ancestors have rendering enabled.	and has been
			Please notice that if the same property of	replaced in
			a node is set from multiple sources then	RichTex-
			the result is unpredictable.	tWidget.
VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	

Name	Subscribion Subscription	Members	Distribu ffest
			Scope

TextBaseLineOffsetWidget2D

Name: TextBaseLineOffsetWidget2D

Description: Attach this widget to a text RenderNode in order to control the BaseLineOffset property of the parent Group depending on the number of text lines which are rendered. The height of the text box is compared to the font line height to determine if the text is single line or multiple lines.

Category: Text

Name	Bind able	Туре	Description	Test Scope
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	Ignored: No test needed for this property because this prop is inherited but not specified for this widget.
FontLineHeight	True	Short	DEPRECATED	Ignored: No test needed for this property because this property is deprecated.

InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: No test needed for this property because this property has not been fully developed.
MultipleLinesOffset	True	Float	Offset to be used when the text is rendered on multiple lines.	TC_W21_01
Name	False	CharArr	a\subsection The name of the widget instance	
Node	False		The associated node of the widget.	
SingleLineOffset	True	Float	Offset to be used when the text is rendered on a single line.	TC_W21_01
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	Ignored: No test needed for this property because this prop is inherited but not specified for this widget.
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

Name	Subscribles cription	Members	Distribu ffost
			Scope

TextColorWidget2D

Name: TextColorWidget2D

Description: Changes the color of a text depending on the enabled and active properties. This extension widget uses a text widget in the same scene on which it will set the text color depending on the Enabled property of the text widget and Active property of this widget. The text widget should be linked to a node which is ancestor of the this node widget. A particular situation would be when the text widget and the text color widget are linked to the same node.

Category: Text

Name	Bind able	Туре	Description	Test Scope
Active	True	Bool	Indicates that the text is active.	TC_W08_02
ActiveTextColor	False	Color	Text color used when the enabled and active.	
DisabledTextColor	False	Color	Text color used when the state is disabled (active info will be ignored).	
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	TC_W08_01
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: Not tested because this property is inherited and will be tested with Enabled-GroupWidget

Name	False	CharArr	CharArraThe name of the widget instance		
Node	False	Node2D	The associated node of the widget.		
NormalTextColor	False	Color	Text color used when the state is enabled		
			and not active.		
Visible	True	Bool	Configures the node property	TC_W08_03	
			EnableRendering which is used to		
			determine if the node is rendered or not.		
			A node is effectively rendered if it and all		
			its ancestors have rendering enabled.		
			Please notice that if the same property of		
			a node is set from multiple sources then		
			the result is unpredictable.		
VisibleEnabled	False	Bool	Enables the configuration of the node		
			property EnableRendering which is used		
			to determine if the node is rendered or		
			not. A node is effectively rendered if it		
			and all its ancestors have rendering		
			enabled.		
			Please notice that if the same property of		
			a node is set from multiple sources then		
			the result is unpredictable.		

Name	Subscrib@escription	Members	Distribu ffost
			Scope

TextExtensionWidget2D

Name: TextExtensionWidget2D

Description: TextExtensionWidget2D is a widget extension, that is capable to set special text configurations(like 'printf' style or animated strings) to a standard text widget. This extension widget uses the TextWidget on same node on which it will set the text depending on the Method property(TEXTCONCAT, TEXTSWITCH, TEXTWITHARGS). The TextWidget should be linked to a node which is ancestor of the this node widget, in most cases the TextWidget and the TextExtensionWidget are linked to the same node. A simple sample for the ARGS feature could be: 'Hello \$(2:) and \$(1:)?'

Category: Text

Name	Bind able	Туре	Description	Test Scope
AnimationTime	False	UShort	Speed for switching between the text	
			parts	
Enable	True	Bool	Enables this widget. Some widgets (for	Ignored:
			example button) use this property while	This
			others ignore it.	property has
			If InheritEnabled is true then this widget	not been
			is considered effectively enabled only if	supported
			both local Enabled and the value	for testing
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
ExtensionMethod	False	Enum	ExtensionMethod	
FormatText	True	custom:	/Strintstring with containing format	TC_W89_02
			identifier for insertion. e.g.	
InheritEnabled	True	Bool	If true then this widget is considered	Ignored:
			effectively enabled only if both local	This
			Enabled and the value inherited from the	property has
			ancestor EnableGroupWidget2D are true.	not been
			If this widget has no	fully
			EnableGroupWidget2D ancestor or	developed
			InheritEnabled is false then only the local	
			Enabled is used.	
Name	False	CharArı	ayThe name of the widget instance	

Node	False	Node2D	The associated node of the widget.	
Text1	True	custom:	/Sthingext1 to be displayed on the label	TC_W89_01
Text2	True	custom:	//Sithingext2 to be displayed on the label	TC_W89_01
Text3	True	custom:	/Sthingext3 to be displayed on the label	TC_W89_01
Text4	True	custom:	/Sthingext4 to be displayed on the label	TC_W89_01
Text5	True	custom:	/Sthingext5 to be displayed on the label	TC_W89_01
TextIdsList	False	custom:	//TeixtlodLiext ids used by this widget	
Visible	True	Bool	Configures the node property	TC_W89_09
			EnableRendering which is used to	
			determine if the node is rendered or not.	
			A node is effectively rendered if it and all	
			its ancestors have rendering enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	
VisibleEnabled	False	Bool	Enables the configuration of the node	
			property EnableRendering which is used	
			to determine if the node is rendered or	
			not. A node is effectively rendered if it	
			and all its ancestors have rendering	
			enabled.	
			Please notice that if the same property of	
			a node is set from multiple sources then	
			the result is unpredictable.	

Name	Subscrit ives cription	Members	Distribu tiost
			Scope

TextHighlightWidget2D

Name: TextHighlightWidget2D

Description: UNDER DEVELOPMENT! Don't use this widget yet. Highlights segments from a text using the specified color.

Attach this widget to a text render node.

Category: Under construction

Name	Bind	Type	Description	Test Scope
	able			
Color	True	Color	Color used for text highlight.	
Enable	True	Bool	Enables this widget. Some widgets (for	
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
InheritEnabled	True	Bool	If true then this widget is considered	
			effectively enabled only if both local	
			Enabled and the value inherited from the	
			ancestor EnableGroupWidget2D are true.	
			If this widget has no	
			EnableGroupWidget2D ancestor or	
			InheritEnabled is false then only the local	
			Enabled is used.	
Mode	False	Enum	Mode: enHighlightMode::Enum	
Name	False	CharAr	ra)The name of the widget instance	
Node	False	Node2I	The associated node of the widget.	
Text	True	custom	://Strimfggures text to be highlight.	

Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.

Name	Subscribes cription	Members	Distribu ffest
			Scope

TextWaitAnimationWidget2D

Name: TextWaitAnimationWidget2D

Description: TextWaitAnimationWidget2D is used set the mask node position to play the animation using animation widget, TextWaitAnimationWidget2D and animation widget are associated to the mask node. It uses the text widget which should be associated with GlBitmapBrushMaskBlend.

Category: Text

Name	Bind	Type	Description	Test Scope
	able			
AnimationText	False	custom:	/Strint go be added to animate	
Enable	True	Bool	Enables this widget. Some widgets (for	
			example button) use this property while	
			others ignore it.	
			If InheritEnabled is true then this widget	
			is considered effectively enabled only if	
			both local Enabled and the value	
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
InheritEnabled	True	Bool	If true then this widget is considered	
			effectively enabled only if both local	
			Enabled and the value inherited from the	
			ancestor EnableGroupWidget2D are true.	
			If this widget has no	
			EnableGroupWidget2D ancestor or	
			InheritEnabled is false then only the local	
			Enabled is used.	
Name	False	CharArr	a)The name of the widget instance	
Node	False	Node2D	The associated node of the widget.	
TextWidget	False	Widget	Textwidget which should be animated	

Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.

Name	Subscribes cription	Members	Distribu ffest
			Scope

TextWidget2D

Name: TextWidget2D

Description: Label widget capable for rendering text in 2D scenes, single line and multiline. TextWidget2DV2 is bindable to a RenderNode or TextNode2D. In case of TextNode2D most of the properties are provided by the Node, otherwise use the proper-

ties of the widget. *Category:* Text

Name	Bind	Type	Description	Test Scope
Alpha	True	Float	Represents the Alpha value to be set to the associated node, default: 1.0	Ignored: This widget property is deprecated and has been replaced in TextWid- get2DV2.
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies the id of the appearance responsible to change, based on widget state (enabled, pressed, active, focused), the images and the colors for the widget node and the descendant nodes. The appearances are registered at start-up.	Ignored: Under development
Bold	True	Bool	This will enable Bold Text	Ignored: This widget property is deprecated and has been replaced in TextWid- get2DV2.

BracesCorrection	False	Bool	This property is used to inform text widget to process the given string to find the braces and add a special unicode to handle them correctly in RTL culture. Default is false and shall be enabled ONLY based on use case. Even if it is set to true, the processing happens only in RTL cultures.	
CultureDependentAlignment	False	Bool	If enabled then HLeft and HRight will be inverted for cultures with right to left text direction	
Direction	True	Enum	Utilized for text flow direction.Legacy: old behavior, Implicit: depends on character, LeftToRight: As LTR, RightToLeft: As RTL, Culture: As culture direction, Node: As Layout Direction	Ignored: This widget property is deprecated and has been replaced in TextWid- get2DV2.
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	Ignored: This widget property is deprecated and has been replaced in TextWid- get2DV2.
FixedTextBoxSize	True	Bool	If set to True, Text Box Size will be equal to maximum size else Text Box size should be based on given text	Ignored: This widget property is deprecated and has been replaced in TextWid- get2DV2.
HorizontalAlignment	True	Enum	Text horizontal alignment	Ignored: This widget property is deprecated and has been replaced in TextWid- get2DV2.
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: This widget property is deprecated and has been replaced in TextWid- get2DV2.

Italic	True	Bool	This will enable Italic Text	Ignored:
				This widget
				property is
				deprecated
				and has been
				replaced in
				TextWid-
				get2DV2.
LineSpacingFactor	True	Float	LineSpacing used e.g. buttons with two	Ignored:
			lines, a value of one is the font height	This widget
				property is
				deprecated
				and has been
				replaced in
				TextWid-
Lina Coa ain a In Divala	Tenno	Elect	LinaChasing between the lines to be used	get2DV2.
LineSpacingInPixels	True	Float	LineSpacing between the lines to be used	Ignored:
			in pixels	This widget property is
				deprecated
				and has been
				replaced in
				TextWid-
				get2DV2.
MaximumNumberOfLines	True	UShort	Maximum Number Of Lines, default is	Ignored:
Transmitted of States	1100	Conort	one.	This widget
				property is
				deprecated
				and has been
				replaced in
				TextWid-
				get2DV2.
MaximumSize	True	Vector2	Window size for truncation and multiline	Ignored:
			mode.	This widget
				property is
				deprecated
				and has been
				replaced in
				TextWid-
N. L.Y.				get2DV2.
MultiLineHorizontalAlignment	False	Enum	Text horizontal alignment in case text is	
NA 14'T' T		D . 1	rendered for multiple lines	T 1
MultiLineLayouting	True	Bool	Sets the property of MultiLineLayouting for the TextBrush	Ignored:
			TOT THE TEXTOTUST	This widget
				property is deprecated
				and has been
				replaced in
				TextWid-
				get2DV2.
Name	False	CharArı	a)The name of the widget instance	501212 12.
Node	False		The associated node of the widget.	

OutlineWilds	True	Color	Sets the outline color	Ignored: This widget property is deprecated and has been replaced in TextWid- get2DV2.
OutlineWidth	True	Byte	Sets the outline width	Ignored: This widget property is deprecated and has been replaced in TextWid- get2DV2.
ScrollBehavior	False	Enum	Behavior of scrolling, circular endless or scrolling to the end of line and return	
			after a short remaining time.	
ScrollCharCount	False	UInt	Pixels scrolled is equal to (Number of characters * default font width), 0 indicates legacy behavior	
ScrollSpeed	False	UShort	Speed for scrolling in msec. 300 is a good value and default.	
ScrollStartDelay	False	UShort	Delay Required before starting scrolling in msec	
ScrollStartMode	False	Enum	How scrolling feature was enabled: 'OnTouch' will start the scrolling whenever someone touches the widget, 'Auto' starts the scrolling feature after init of the scene. 'Extern' starts scrolling after it was called from an anchestor widget.	
ShrinkMethod	False	Enum	This will enable to choose the extended textstyle condensed and shrinked for shrink feature	
Style	True		eThe text style for the label with size and font information	Ignored: This widget property is deprecated and has been replaced in TextWid- get2DV2.
Text	True	custom:	//Sthintext, that has to be displayed. Language dependent string has to be taken from the translation table, use the choice button on the right side to select a string	Ignored: This widget property is deprecated and has been replaced in TextWid- get2DV2.

TextColor	True	Color	Color to be used to display the text; For state handling see als TextColorWidget2D.	Ignored: This widget property is deprecated and has been replaced in TextWid- get2DV2.
TextIdsList	False		//Teixtloff_tiext ids used by this widget	
TransRefs	False	custom:	//STSNgseparted TEXTID reference list, only used for translation topics. As of now you have to add manually the ID's devided with a comma.	
TruncationDirection	True	Enum	Truncation Direction add right side or left side of the text	Ignored: This widget property is deprecated and has been replaced in TextWid- get2DV2.
TruncationMethod	False	Enum	Text truncation method; Hard cuts pixelwise, Soft cuts charwise, Text adds the 'TruncationText' and Shrink fits the string to the avaliable space.	
TruncationText	False	custom:	//Striumgation text to be rendered in UTF-8 encoding, in most cases ''	
VerticalAlignment	True	Enum	Text vertical alignment	Ignored: This widget property is deprecated and has been replaced in TextWid- get2DV2.
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	Ignored: This widget property is deprecated and has been replaced in TextWid- get2DV2.
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

WordWrap	True	Bool	Sets the property of WordWrap for the	Ignored:
			TextBrush	This widget
				property is
				deprecated
				and has been
				replaced in
				TextWid-
				get2DV2.

Name	Subscritt@escription	Members	Distribu liost
			Scope

TextWidget2DV2

Name: TextWidget2DV2

Description: Label widget capable for rendering text in 2D scenes, single line and multiline. TextWidget2DV2 is bindable to a RenderNode or TextNode2D. In case of TextNode2D most of the properties are provided by the Node, otherwise use the proper-

ties of the widget.

Category: Under construction

Name	Bind able	Туре	Description	Test Scope
Alpha	True	Float	Represents the Alpha value to be set to	TC_W18_03
			the associated node, default: 1.0	
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies	Ignored:
			the id of the appearance responsible to	Under
			change, based on widget state (enabled,	development
			pressed, active, focused), the images and	
			the colors for the widget node and the	
			descendant nodes. The appearances are	
			registered at start-up.	
Bold	True	Bool	This will enable Bold Text	TC_W18_06
BracesCorrection	False	Bool	This property is used to inform text	
			widget to process the given string to find	
			the braces and add a special unicode to	
			handle them correctly in RTL culture.	
			Default is false and shall be enabled	
			ONLY based on use case. Even if it is set	
			to true, the processing happens only in	
			RTL cultures.	
CultureDependentAlignment	False	Bool	If enabled then HLeft and HRight will be	
			inverted for cultures with right to left text	
			direction	

Direction	True	Enum	Utilized for text flow direction.Legacy: old behavior, Implicit: depends on character, LeftToRight: As LTR, RightToLeft: As RTL, Culture: As culture direction, Node: As Layout Direction	TC_W18_15
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	TC_W18_04
FixedTextBoxSize	True	Bool	If set to True, Text Box Size will be equal to maximum size else Text Box size should be based on given text	
HorizontalAlignment	True	Enum	Text horizontal alignment	TC_W18_18
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	Ignored: Not tested because this property is inherited and will be tested with Enabled-GroupWidget
Italic	True	Bool	This will enable Italic Text	TC_W18_07
LineSpacingFactor	True	Float	LineSpacing used e.g. buttons with two lines, a value of one is the font height	TC_W18_13
LineSpacingInPixels	True	Float	LineSpacing between the lines to be used in pixels	TC_W18_14
MaximumNumberOfLines	True	UShort	Maximum Number Of Lines, default is one.	TC_W18_10
MaximumSize	True	Vector2	Window size for truncation and multiline mode.	TC_W18_09
MultiLineHorizontalAlignment	False	Enum	Text horizontal alignment in case text is rendered for multiple lines	
MultiLineLayouting	True	Bool	Sets the property of MultiLineLayouting for the TextBrush	TC_W18_12
Name	False		a)The name of the widget instance	
Node	False	Node2D	\mathcal{E}	TO WILL OF
OutlineColor	True	Color	Sets the outline color	TC_W18_08
OutlineWidth	True	Byte	Sets the outline width	TC_W18_08
ScrollBehavior	False	Enum	Behavior of scrolling, circular endless or scrolling to the end of line and return after a short remaining time.	TC_W18_19
ScrollCharCount	False	UInt	Pixels scrolled is equal to (Number of characters * default font width), 0 indicates legacy behavior	
ScrollSpeed	False	UShort	Speed for scrolling in msec. 300 is a good value and default.	
ScrollStartDelay	False	UShort	Delay Required before starting scrolling in msec	

ScrollStartMode	False	Enum	How scrolling feature was enabled: 'OnTouch' will start the scrolling whenever someone touches the widget, 'Auto' starts the scrolling feature after	
			init of the scene. 'Extern' starts scrolling after it was called from an anchestor widget.	
ShrinkMethod	False	Enum	This will enable to choose the extended textstyle condensed and shrinked for shrink feature	
Style	True	TextSty	e The text style for the label with size and font information	
Text	True	custom:	//Sthintext, that has to be displayed. Language dependent string has to be taken from the translation table, use the choice button on the right side to select a string	TC_W18_01
TextColor	True	Color	Color to be used to display the text; For state handling see als TextColorWidget2D.	TC_W18_02
TextIdsList	False	custom	//TeixtIdf isst ids used by this widget	
TransRefs	False		//Stringseparted TEXTID reference list,	
			only used for translation topics. As of now you have to add manually the ID's devided with a comma.	
TruncationDirection	True	Enum	Truncation Direction add right side or left side of the text	TC_W18_16
TruncationMethod	False	Enum	Text truncation method; Hard cuts pixelwise, Soft cuts charwise, Text adds the 'TruncationText' and Shrink fits the string to the avaliable space.	
TruncationText	False	custom:	//Striumgation text to be rendered in UTF-8 encoding, in most cases ''	
VerticalAlignment	True	Enum	Text vertical alignment	TC_W18_17
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	TC_W18_05
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	
WordWrap	True	Bool	Sets the property of WordWrap for the TextBrush	TC_W18_11

Name	Subscribescription	Members	Distribu ffost
			Scope

TextureImageWidget3D

Name: TextureImageWidget3D

Description: Controls the Texture property of the existing bitmap brush of a render node.

Category: Image

106.1 Property list

Name	Bind able	Type	Description	Test Scope
Bitmap	True	Bitmap	Bitmap to be set on the	
			BitmapBrushEffect inside the	
			RenderNode.	
Enabled	False	Bool	Enabled: Enable or disable the widget	
Name	False	CharArraThe name of the widget instance		
Node	False	Node3D	The associated node of the widget.	

Name	Subscrib@escription	Members	
			Scope

TimerWidget2D

Name: TimerWidget2D

Description: TimerWidget2D widget

Category: Common

Name	Bind able	Туре	Description	Test Scope	
AutoRestartEnabled	False	Bool	When this property is Enabled, the timer		
			will run recursively until deactivation of		
			the scene.		
AutoStartEnabled	False	Bool	When this is Enabled, the timer will be		
			started automatically on the render		
			activation of the scene.		
Enable	True	Bool	Enables this widget. Some widgets (for		
			example button) use this property while		
			others ignore it.		
			If InheritEnabled is true then this widget		
			is considered effectively enabled only if		
			both local Enabled and the value		
			inherited from the ancestor		
			EnableGroupWidget2D are true.		
InheritEnabled	True	Bool	If true then this widget is considered		
			effectively enabled only if both local		
			Enabled and the value inherited from the		
			ancestor EnableGroupWidget2D are true.		
			If this widget has no		
			EnableGroupWidget2D ancestor or		
			InheritEnabled is false then only the local		
			Enabled is used.		
Name	False	CharA	CharArra The name of the widget instance		
Node	False	Node2	Node2D The associated node of the widget.		

PauseTrigger	True	Bool	This is an explicit trigger to pause the timer. When set to true a running timer(if any) is paused. When set to false a paused timer(if any) continues to run.
StartStopTrigger	True	Bool	This is an explicit trigger to start or stop the timer. When set to false the timer is stopped, always. On setting the StartStopTrigger property to true it causes a restart of the timer.
TimerDuration	False	UInt	This property holds the timeout value in milli seconds.
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.

Name	Subscr	ib Des cription	Members	Distrib	น โโอร t
					Scope
TimerWidgetExp	ryMokdel.		ElapsedTime:	sequen	tial
	View,		Courier::UInt32.		
	Con-				
	troller		Stopped: bool.		
			+		

ToggleWidget2D

Name: ToggleWidget2D

Description: Controls the RenderingEnabled property of a node (allowing to toggle a node by a bindable widget property).

Category: Common

Name	Bind able	Type	Description	Test Scope
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	
Enabled	True	Bool	DEPRECATED. Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. The same node property is configured also by the widget property Visible which is available in all widgets. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.	

InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.
Name	False		a)The name of the widget instance
Node	False		The associated node of the widget.
UseDeprecatedEnabled	False	Bool	Enables the usage of the deprecated property Enabled. The default value of this property is true for legacy reasons (notice that also default VisibleEnabled is true for the same reasons). It is recommended to set this property to false and to control the node visibility by using the Visible property which is available in all widgets.
Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.

Name	Subscrib@escription	Members	Distribu ffost
			Scope

TwoDimensionSliderWidget2D

Name: TwoDimensionSliderWidget2D

Description: TwoDimensionSliderWidget2D is used to get the touched position values based on the horizontal and vertical values set by the user. Add a group node, add three bitmap node for the crosshair, first for the knob, 2nd for horizontal line and 3rd for vertical line.

Category: Range

Name	Bind able	Туре	Description	Test Scope
AppearanceId	True	UInt	UNDER DEVELOPMENT! Specifies the id of the appearance responsible to change, based on widget state (enabled, pressed, active, focused), the images and the colors for the widget node and the descendant nodes. The appearances are registered at start-up.	Ignored: Under development
ControllerId	True	Short	Identifies the controller attached to this widget1 no controller is attached; 0 default controller for the class is attached (used for derived classes); 1n id of a controller registered at start-up;	Ignored: Id of a controller registered at start-up. It cant be changed during run time
DisabledTouching	True	Bool	Widget can be touched also when it is disabled.	
DoubleTap	True	Bool	Enable double tap gesture detection	Ignored: The TTFis simulation for the gesture action is not ready yet.

Drag	True	Bool	Enable drag gesture detection	
DragDirection	False	Enum	Direction in which drag should be detected	
DragDropDestinationEnabled	True	Bool	Enables the widget to be used as the target of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
DragDropSourceEnabled	True	Bool	Enables the widget to be used as the source of a drag and drop operation.	Ignored: The TTFis simulation for the gesture action is not ready yet.
Enable	True	Bool	Enables this widget. Some widgets (for example button) use this property while others ignore it. If InheritEnabled is true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true.	
FocusControllerSet	True	Short	The application can associate a list of focus controllers (ControllerSet) to a numerical id. Those controllers can be used for a widget based on the same id.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusOrder	True	Short	Focus order. Zero has the highest priority.	Ignored: The TTFis simulation for the gesture action is not ready yet.
FocusParentNode	False	Node2D	Node of the parent focus group. If it is not specified a search will be performed to find a focus group linked to the closest ancestor node.	
Focusable	True	Bool	Widget can gain the focus.	Ignored: The TTFis simulation for the gesture action is not ready yet.

GestureConfigId	True	UInt	Identifies the gesture configuration used for this widget. Gesture configurations are registered at start-up and attached to widgets using numerical ids (0 is used for the default configuration defined in the widget). For more information please read the gesture configuration chapter in the widget user guide.	
HorizontalCurValue	True	Int	Current horizontal value of marker based on the range (int).	
HorizontalMovementLocked	True	Bool	Only vertical movement allowed, e.g for Audio Fader	
HorizontalPermittedValueMax	True	Int	Permitted range value, allowed valid area inside given range (int).	
HorizontalPermittedValueMin	True	Int	Permitted range value, allowed valid area inside given range (int).	
HorizontalRangeMax	False	Int	Max scale value for horizontal marker (int).	
HorizontalRangeMin	True	Int	Min scale value for horizontal marker (int).	
HorizontalStepValue	False	UInt	Horizontal marker movement step value given in unsigned integer for move messages, default=1	
InheritEnabled	True	Bool	If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true. If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	
Name	False	CharArr	ayThe name of the widget instance	
Node	False	Node2D	The associated node of the widget.	
PinchSpread	True	Bool	Enable pinch and spread gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
PressHold	True	Bool	Enable hold gesture detection	
PressRepeat	True	Bool	Enable repeat gesture detection	
RawTouch	True	Bool	Enable raw touch coordinate routing (mainly for hand writing recognition)	Ignored: Not tested because this property is inherited and not specific to this Widget.

Rotate	True	Bool	Enable rotate gesture detection	Ignored: Not tested because this property is inherited and not specific to this Widget.
SkinNode	False	Node2I	The node of the background skin.	
SliderArea	False		slider. X and Y are coordinates relative to the upper left corner of the node effective bounding rectangle. If width or height are zero or negative the effective bounding rectangle of the node will be used as touchable area (X and Y will also be ignored).	
Swipe	True	Bool	Enable swipe gesture detection	
SwipeDirection	False	Enum	Direction in which swipe should be	
		D 1	detected	
Tap TouchPriority	True	Bool UInt	Enable press and tap gesture detection	T I. N.
TouchPhonty	True	Om	Increase this priority to handle touch message for this widget before widgets with a lower priority	Ignored: Not tested because this property is inherited and not specific to this Widget.
Touchable	True	Bool	Widget is Touchable or not	
UsePermittedValues	True	Bool	Make use of permitted values inside of	
UserData	True	UInt	given range values Together with the view and the widget identifier, this user data is a parameter to many messages posted by the widgets which can be used in the state machine or in the data model. Use data binding to change this value dynamically and store extra information in the widgets.	Ignored: The infrastructure is in the base widget, No extra information to store here.
ValueUpdateOnDrag	False	Bool	Set to true if value updates are required while dragging, set to false if update is required only at the end of the drag operation, .	
VerticalCurValue	True	Int	Current vertical value of marker based on the range (int).	
VerticalMovementLocked	True	Bool	Only vhorizontal movement allowed, e.g for Audio Fader	
VerticalPermittedValueMax	True	Int	Permitted range value, allowed valid area inside given range (int).	
VerticalPermittedValueMin	True	Int	Permitted range value, allowed valid area inside given range (int).	
VerticalRangeMax	False	Int	Max scale value for vertical marker (int).	
VerticalRangeMin	True	Int	Min scale value for vertical marker (int).	
VerticalStepValue	False	UInt	Vertical marker movement step value given in unsigned integer for move messages, default=1	

Visible	True	Bool	Configures the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.
VisibleEnabled	False	Bool	Enables the configuration of the node property EnableRendering which is used to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources then the result is unpredictable.

Name	Subscrib@escription	Members Distribu ffest
	•	Scope
MoveMsg	View	WidgetName:
		Can-
		dera::String.
		MoveType:
		Wid-
		gets::TwoDimensionSilder::MoveType
		Value:
		::Courier::Int32.
		+
UpdMsg	Model	WidgetName:
		Can-
		dera::String.
		ValueHor:
		Courier::Int32.
		ValueVer:
		Courier::Int32.
		UpdType: Wid-
		gets::TwoDimensionSilder::UpdType.
		+

ViewSwitchWidget2D

Name: ViewSwitchWidget2D

Description: Manages the load/unload and activate/deactivate of some views which are considered as children of the widget's

parent view (this scene). *Category:* Common

Name	Bind able	Туре	Description	Test Scope
AddInvalidationDependency	False	Bool	If set to true then two-way invalidation	
			dependency will be set between the	
			widget's parent view (this scene) and the	
			selected view.	
CacheViews	True	Bool	If set to true then the unselected views	TC_W95_04
			will be deactivated else they will be	
			unloaded (destroyed).	
Enable	True	Bool	Enables this widget. Some widgets (for	Ignored:
			example button) use this property while	This
			others ignore it.	property has
			If InheritEnabled is true then this widget	not been
			is considered effectively enabled only if	supported
			both local Enabled and the value	for testing.
			inherited from the ancestor	
			EnableGroupWidget2D are true.	
Index	True	UInt	Index of the view which should be	TC_W95_01
			visible.	

InheritEnabled	True	Bool If true then this widget is considered effectively enabled only if both local Enabled and the value inherited from the ancestor EnableGroupWidget2D are true If this widget has no EnableGroupWidget2D ancestor or InheritEnabled is false then only the local Enabled is used.	e. property is inherited and will be
Name	False	CharArra The name of the widget instance	
Node	False	Node2D The associated node of the widget.	
ViewIds	True	custom://Strimge of the views managed by this widget. The view full name will be obtained by concatenating ViewPrefix and ViewId[Index].	TC_W95_03
ViewPrefix	True	custom://Strefig to be inserted before view id.	TC_W95_02
Visible	True	Bool Configures the node property EnableRendering which is used to determine if the node is rendered or not A node is effectively rendered if it and its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources there the result is unpredictable.	property is inherited and not specific
VisibleEnabled	False	Bool Enables the configuration of the node property EnableRendering which is use to determine if the node is rendered or not. A node is effectively rendered if it and all its ancestors have rendering enabled. Please notice that if the same property of a node is set from multiple sources them the result is unpredictable.	of.

Name	Subscribles cription	Members	Distribu ffost
			Scope