



Scenario Template File

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^{*1} The official name of Windows is Microsoft Windows Operating System.

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About this document

This "WinActor Scenario Template File" (hereinafter referred to as "this manual") is a manual for the description specifications of a scenario template file read by the function of WinActor to generate a scenario template.

Notes on this manual

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- The descriptions in this manual assume that users understand Windows operations and functions. For information that is not described in this manual, see the documents provided by Microsoft.

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1. Scenario template file

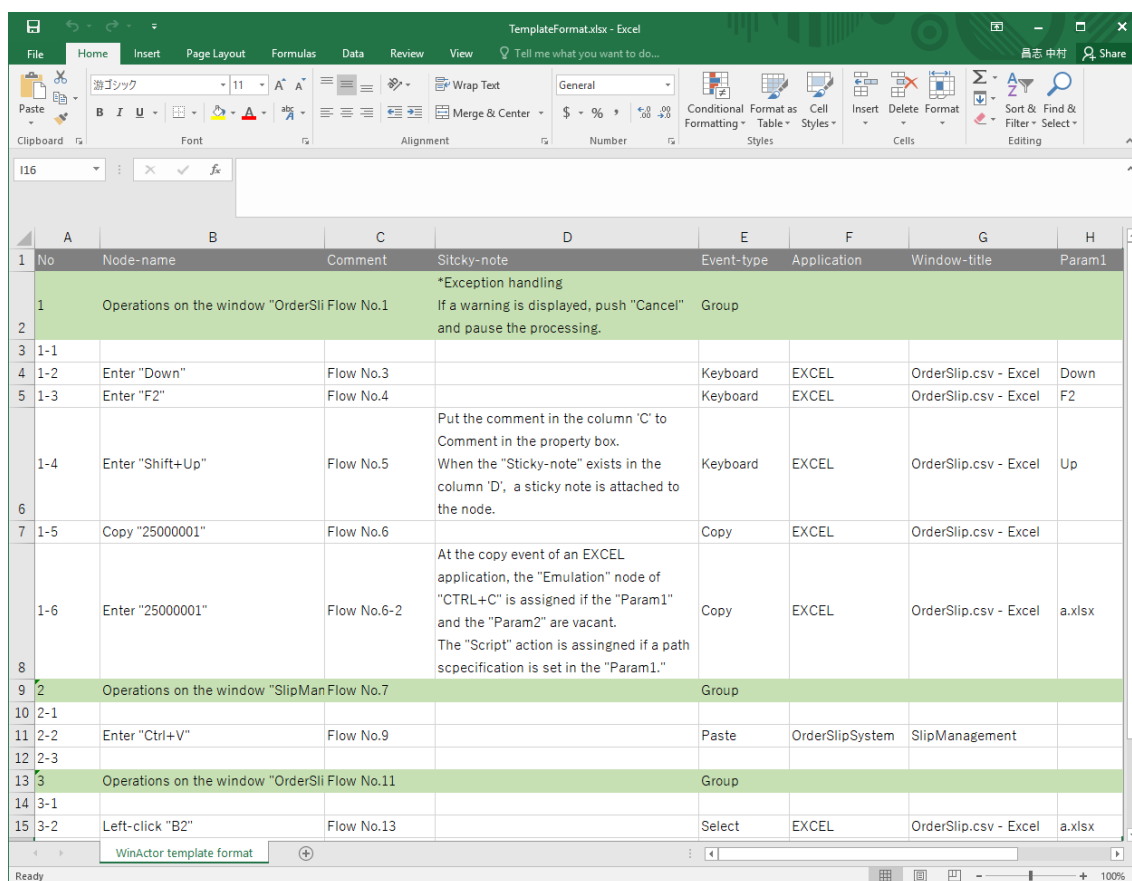
This manual describes the description specifications of a scenario template file read by the function of WinActor to generate a scenario template.

For how to use the function of WinActor to generate a scenario template, see "WinActor Operation Manual."

The scenario template file is in Excel file format (.xlsx) or CSV file format (.csv).

For the CSV file, prepare it in UTF-8 or MS932 format (Japanese) encoding.

The first row of the scenario template file is the header information (column names). The second and subsequent rows are data.



No	Node-name	Comment	Sticky-note	Event-type	Application	Window-title	Param1
1	Operations on the window "OrderSli Flow No.1		*Exception handling If a warning is displayed, push "Cancel" and pause the processing.	Group			
1-1							
1-2	Enter "Down"	Flow No.3		Keyboard	EXCEL	OrderSlip.csv - Excel	Down
1-3	Enter "F2"	Flow No.4		Keyboard	EXCEL	OrderSlip.csv - Excel	F2
1-4	Enter "Shift+Up"	Flow No.5	Put the comment in the column "C" to Comment in the property box. When the "Sticky-note" exists in the column 'D', a sticky note is attached to the node.	Keyboard	EXCEL	OrderSlip.csv - Excel	Up
1-5	Copy "25000001"	Flow No.6		Copy	EXCEL	OrderSlip.csv - Excel	
1-6	Enter "25000001"	Flow No.6-2	At the copy event of an EXCEL application, the "Emulation" node of "CTRL+C" is assigned if the "Param1" and the "Param2" are vacant. The "Script" action is assigned if a path specification is set in the "Param1."	Copy	EXCEL	OrderSlip.csv - Excel	a.xlsx
2	Operations on the window "SlipMan Flow No.7			Group			
2-1							
2-2	Enter "Ctrl+V"	Flow No.9		Paste	OrderSlipSystem	SlipManagement	
2-3							
3	Operations on the window "OrderSli Flow No.11			Group			
3-1							
3-2	Left-click "B2"	Flow No.13		Select	EXCEL	OrderSlip.csv - Excel	a.xlsx

Figure 1-1. Scenario template file (image)



- In the scenario template file, a blank row is judged to be the last row. The blank row and subsequent rows will not be read.
- Reading a scenario template file more than 1,000 lines may take several minutes or more.

2. Column names

Enter the column names on the first row of the scenario template file.

Table 2-1. List of column names

No	Column name	Description	Required
1	No	Represents the processing order and the parent-child relationship of a node or group.	○
2	Node-name	Represents a name given to a node or group.	○
3	Comment	Represents a comment given to a node or group.	-
4	Sticky-note	Represents contents of the sticky note attached to a node or group.	-
5	Event-type	Represents an action (type of automatic operation).	-
6	Application	Represents a target application of the action (automatic operation).	-
7	Window-title	Represents a window title of the target application.	-
8	Param1	Represents a parameter of the action (automatic operation).	-
9	Param2	Represents a parameter of the action (automatic operation).	-
10	Param3	Represents a parameter of the action (automatic operation).	-
11	Param4	Represents a parameter of the action (automatic operation).	-
12	Param5	Represents a parameter of the action (automatic operation).	-
13	Param6	Represents a parameter of the action (automatic operation).	-
14	Param7	Represents a parameter of the action (automatic operation).	-
15	Param8	Represents a parameter of the action (automatic operation).	-
16	Param9	Represents a parameter of the action (automatic operation).	-
17	Param10	Represents a parameter of the action (automatic operation).	-



- Column names are taken in from the left most column of the first row toward the right columns. When a vacant column name is found, taking in column names is finished and the rest of columns are not read.
 - An error will occur if multiple same column names exist.
 - You can use other names for the column names.
 - For other column names, see "2.5.1 Notations for the column names."
 - Columns of invalid column names are skipped.
-

2.1 No

In the "No" column, enter numbers that represent the processing order of a scenario.

You can specify the parent-child relationship of groups or nodes by adding numbers with "-" hyphen symbols.

When the numbers "1," "1-1," and "1-2" are entered in the "No" column, "1" is the parent group and "1-1" and "1-2" are the child nodes in that group. In this case, "Event-type" of No "1" should be defined as "Group."

You can also express a group structure with three or more layers, such as "1-2-1."

Table 2-2. Example of the group with a hierarchical structure

No	Node-name	Event-type	(Other columns are omitted)
1	[1] Parent group	Group	...
1-1	[1-1] Child node	(other than group)	...
1-2	[1-2] Child group	Group	...
1-2-1	[1-2-1] Child node	(other than group)	...
1-3	[1-3] Child node	(other than group)	...

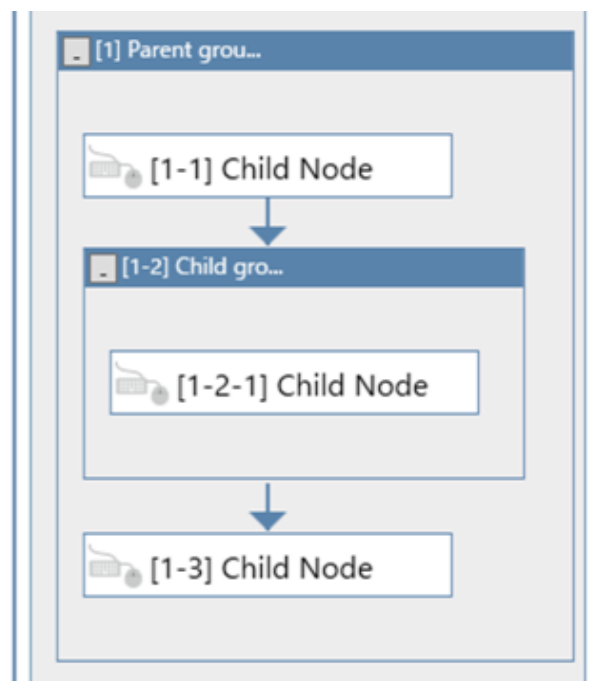


Figure 2-1. Parent-child relationship between nodes (image)

2.2 Node-name and Comment

The contents of the "Node-name" column will be embedded in "Name" in the property of each node.

The contents of the "Comment" column will be embedded in "Comment" in the property of each node.

Table 2-3. Example of Node-name and Comment

No	Node-name	Comment	(Other columns are omitted)
1	Enter "Down"	Deselect the range in Notepad	...

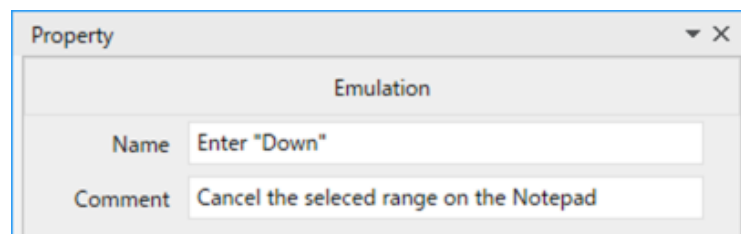


Figure 2-2. WinActor property (Name and Comment)

2.3 Sticky-note

Fill in the "Sticky-note" column to create sticky notes attached to each corresponding node.

If the "Sticky-note" column is empty, no sticky note will be created.

Table 2-4. Example of Sticky-note

No	Node-name	Sticky-note	(Other columns are omitted)
1	Enter "Shift+Up"	Put the comment in Column C to Comment in the property...	...
2	Copy "25000001"		...



Figure 2-3. WinActor scenario (sticky note)

2.4 Event-type

Fill in the "Event-type" column and detailed information ("Application," "Window-title," and "Param" columns) to create action nodes that perform application operations such as application execution, keyboard operations, and clipboard operations.

Set the "Event-type" column to blank or "Group" to create Group nodes. An Event-type that is not defined in this chapter can also be set to create Group nodes.

2.4.1 Operations related to application execution

■ Execute

Specify "Execute" in the "Event-type" column to create a Run Script node that executes an application.

The exe file specified in the "Param1" column will be executed.

Up to nine execution arguments can be specified using Param 2 to 10.

Param 2 to 10 can be omitted.

Table 2-5. Example of Event-type "Execute"

Event-type	Param1	Param2	(Other columns are omitted)
Execute	(exe filename)	(execution argument1)	...



Figure 2-4. Created "Execute" node

2.4.2 Operations related to file operations

■ Open

Specify "Open" in the "Event-type" column to create a Run Script node that opens a file.

The file specified in the " Param1" column will be opened in the application associated with the file.

Table 2-6. Example of Event-type "Open"

Event-type	Param1	(Other columns are omitted)
Open	(filename)	...



Figure 2-5. Created "Open" node

■ Close

Specify "Close" in the "Event-type" column to create a Run Script node that closes the Excel file specified in the "Param2" column and to append a variable name on the variable list to store the result.

Specify "EXCEL" in the "Application" column.

Specify "Save as," "Save," or "Without saving" in the Param1" column.

Specify the Excel filename in the "Param2" column.

Specify a variable name to store the result. If omitted, a variable to store the result will be generated automatically.

Specify the filename to save the Excel file as when "Save as" is specified in the "Param1" column.

Table 2-7. Example of Event-type "Close"

Event-type	Application	Param1	Param2	Param3	Param4	(Other columns are omitted)
Close	EXCEL	Save as	(filename)	(filename)	(variable name)	...
Close	EXCEL	Save	(filename)	(variable name)		...
Close	EXCEL	Without saving	(filename)	(variable name)		...

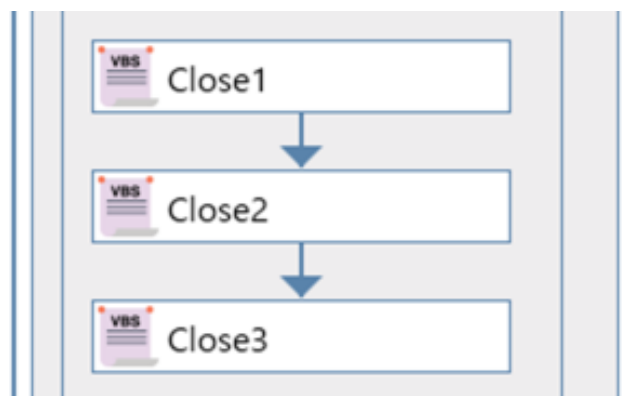


Figure 2-6. Created "Close" node

2.4.3 Operations related to the clipboard

■ Clipboard

Specify "Clipboard" in the "Event-type" column to create a Clipboard node that copies values to the clipboard.

The values specified in the " Param1" column will be copied to the clipboard.

Table 2-8. Example of Event-type "Clipboard"

Event-type	Param1	(Other columns are omitted)
Clipboard	(string)	...



Figure 2-7. Created "Clipboard" node

■ Copy

Specify "Copy" in the "Event-type" column to create a node that copies values from an application to the clipboard.

If you specify "EXCEL" in the "Application" column and a filename in the "Param1" column, a Run Script node will be created.

If you specify the "Window-title" column, an Emulation node and WinID management will be created.

Table 2-9. Example of Event-type "Copy"

Event-type	Application	Window-title	Param1	Param2	Param3	(Other columns are omitted)
Copy	EXCEL		(filename)	(sheet name)	(cell name)	...
Copy		(window title)				

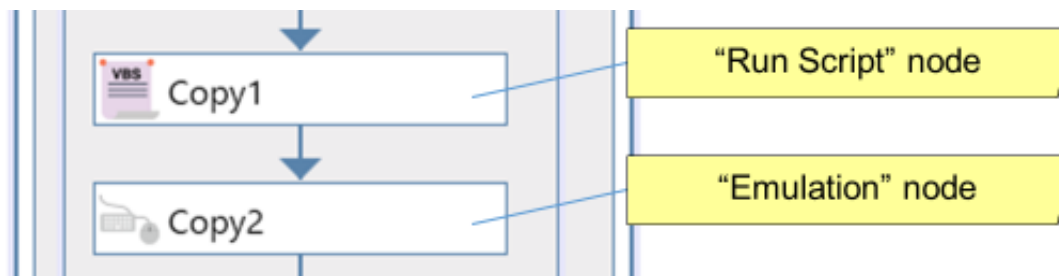


Figure 2-8. Created "Copy" nodes

■ Paste

Specify "Paste" in the "Event-type" column to create a node that pastes values from the clipboard to an application.

If you specify "EXCEL" in the "Application" column and a filename in the "Param1" column, a Run Script node will be created.

If you specify the "Window-title" column, an Emulation node and WinID management will be created.

Table 2-10. Example of Event-type "Paste"

Event-type	Application	Window-title	Param1	Param2	Param3	(Other columns are omitted)
Paste	EXCEL		(filename)	(sheet name)	(cell name)	...
Paste		(window title)				...

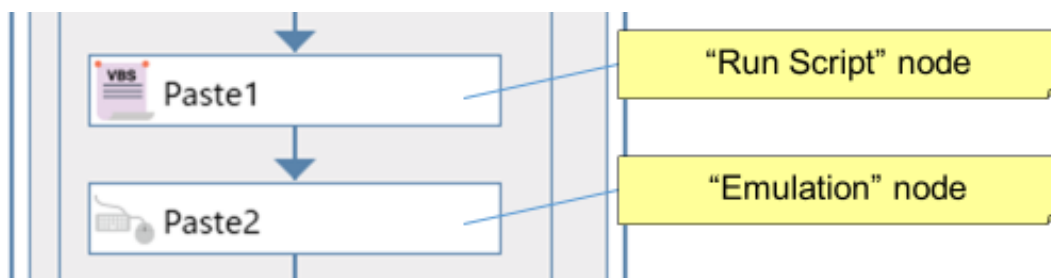


Figure 2-9. Created "Paste" nodes

2.4.4 Operations related to the keyboard

■ Keyboard

Specify "Keyboard" in the "Event-type" column to create an Emulation node and WinID management, or a Send Text node and WinID management that perform the keyboard operation.

If the "Window-title" column is empty, the screen will be targeted and no WinID management will be created.

Keys to be operated can be specified using the columns of Param 1 to 10.

For the keyboard operation with a single key, specify the Param 1 column only.

For the keyboard operation with multiple keys, use the Param 2 and 10 columns.

When all the keys specified for the Param 1 to 10 are printable characters, which do not include function keys such as Shift, a Send Text node is created.

Table 2-11. Example of Event-type "Keyboard"

Event-type	Window-title	Param1	Param2	Param3	(Other columns are omitted)
Keyboard	(window title)	Enter			...
Keyboard	(window title)	Ctrl	C		...
Keyboard	(window title)	Ctrl	Shift	F4	...
Keyboard	(window title)	a	b	c	...

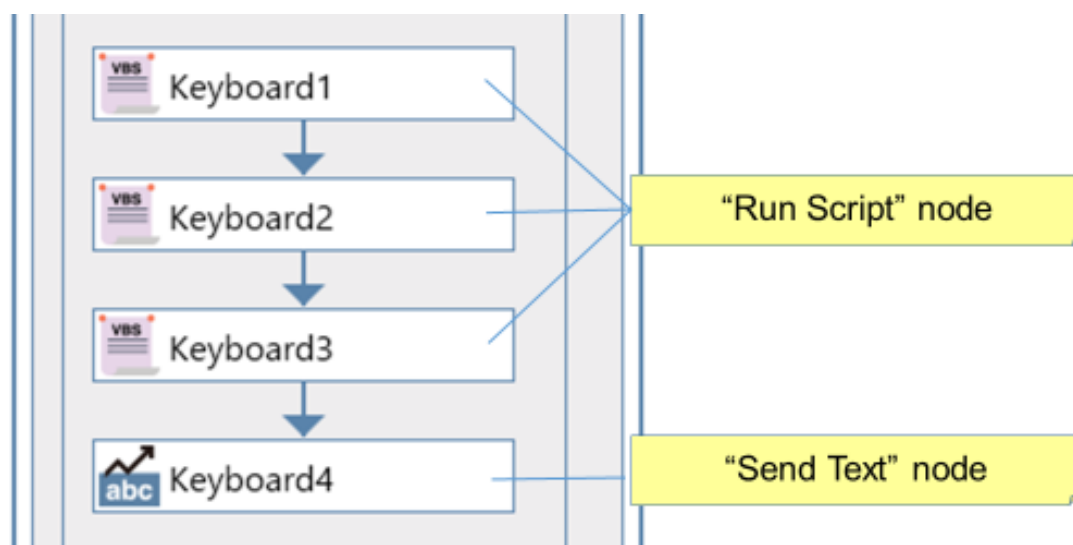


Figure 2-10. Created "Keyboard" nodes

The table below shows the keys that can be specified in the " Param" columns.
The keys are case-insensitive.

Table 2-12. Keys that can be specified with "Keyboard"

Param 1 to 3		
A～Z	Shift	Esc
0～9	Ctrl	F1 to F12
-	Windows	PrintScreen
^	Alt	Up
¥	無変換	Left
@	Space	Down
[	変換	Right
;	ローマ字	NumLock
:	BackSpace	NUM0 to NUM9
]	Enter	NUM/
,	Insert	NUM*
.	Delete	NUM-
/	Home	NUM+
\	End	NUM.
半角/全角	PageUp	
Tab	PageDown	

■ Input-text

Specify "Input-text" in the "Event-type" column to create an Text Input node and WinID management that send text to a window.

The character string specified in the Param 1 column is send to the window.

Table 2-13. Example of Event-type "Input-text"

Event-type	Window-title	Param1	(Other columns are omitted)
Input-text	(window title)	(Character string)	...



Figure 2-11. Created "Input-text" node

2.4.5 Other

■ Select

Specify "Select" in the "Event-type" column to create a Run Script node that performs the selection operation.

Table 2-14. Example of Event-type "Select"

Event-type	Application	Param1	Param2	Param3	(Other columns are omitted)
Select	EXCEL	(filename)	(sheet name)	(cell name)	...



Figure 2-12. Created "Select" node

■ Group

Specify "Group" in the "Event-type" column to create a Group node. Specifying an undefined Event-type string or a blank in the "Event-type" column will also create a Group node.

Table 2-15. Example of Event-type "Group"

Event-type	(Other columns are omitted)
Group	...
(blank)	...

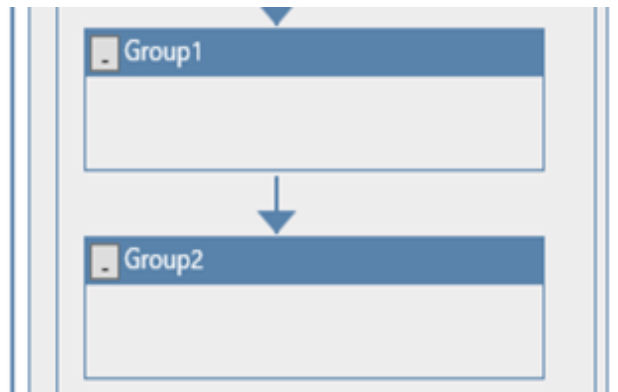


Figure 2-13. Created "Group" nodes

■ Close-window

Specify "Close-window" in the "Event-type" column to create a Emulation node and WinID management that close a window.

If the "Window-title" column is empty, the screen will be targeted and no WinID management will be created.

Table 2-16. Example of Event-type "Close-window"

Event-type	Window-title	(Other columns are omitted)
Close-window	(window title)	...



Figure 2-14. Created "Close-window" node

2.4.6 Unifying consecutive Emulation nodes

If consecutive Emulation nodes have the same values for the “Node-name” column and for the “Window-title” column, the Emulation nodes are unified into one node. The contents of the “Comment” and the “Sticky-note” column, and the operations are concatenated.

Table 2-17. Example of unifying consecutive Emulation nodes

Node-name	Comment	Sticky-note	Event-type	Window-title	Param1	Param2
Emulation-node			Group			
Keyboard-operation	(comment)	Select all (Ctrl+A)	Keyboard	(window title)	Ctrl	A
Keyboard-operation	(comment)	Copy (Ctrl+C)	Keyboard	(window title)	Ctrl	C
Keyboard-operation	(comment)	Paste (Ctrl+V)	Keyboard	(window title)	Ctrl	V

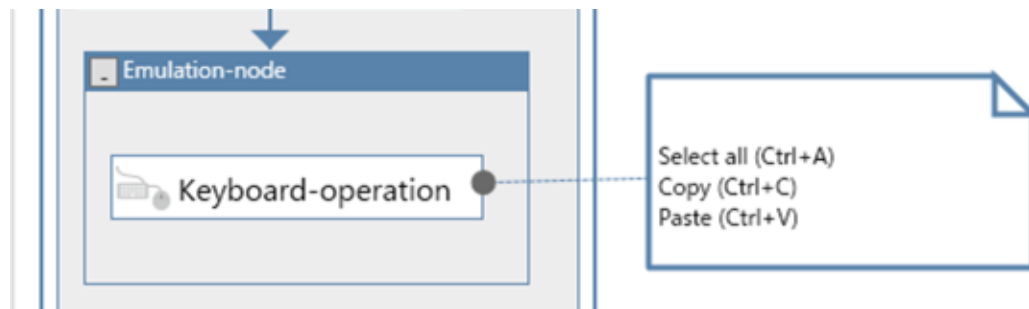


Figure 2-15. Created "Emulation" node

2.5 Notations for the element names

2.5.1 Notations for the column names

For the column names, alternative names shown in the table below can be used.

For example, "Node-name" can be entered as "Name" or as "ノード名" in Japanese.

The column names are case-insensitive.

Table 2-18. Column names

No	Column name	Other column names					
1	No						
2	Node-name	Name	ノード名	名前			
3	Comment	コメント					
4	Sticky-note	Note	Memo	Annotation	付箋	注記	
5	Event-type	Event	Action	イベント種別	操作種別	イベント	アクション
6	Application	アプリケーション					
7	Window-title	Window-spec-name	WinID	WinID-name	ウィンドウタイトル	ウィンドウ識別名	ウィンドウ識別名
8	Param1	付加情報 1	引数 1				
9	Param2	付加情報 2	引数 2				
10	Param3	付加情報 3	引数 3				
11	Param4	付加情報 4	引数 4				
12	Param5	付加情報 5	引数 5				
13	Param6	付加情報 6	引数 6				
14	Param7	付加情報 7	引数 7				
15	Param8	付加情報 8	引数 8				
16	Param9	付加情報 9	引数 9				
17	Param10	付加情報 10	引数 10				

2.5.2 Notations for the Event-type action names in Japanese

The table below shows the notations for the action names in Event-type.

The event type names are not case sensitive.

Table 2-19. Event-type action names

English	Japanese
Execute	起動 アプリケーション起動
Open	開く
Close	閉じる
Clipboard	クリップボード
Copy	コピー
Paste	貼り付け
Keyboard	キー入力
Input-text	文字入力
Select	選択
Group	グループ
Close-window	ウィンドウを閉じる ウインドウを閉じる



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