UiPath株式会社 Developer Community Japanese text input

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Agenda

- Localization plans

- About Type Into

- Difficulties with Japanese input

- Good practice guidelines

- Corner cases

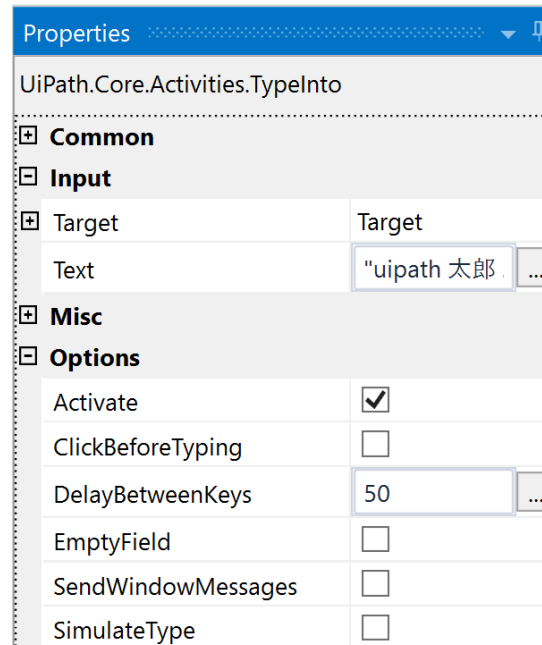# Localization plans

Sept 2018 (tentative*) UiPath **2018.3**

• Studio

• Robot

• Orchestrator

Complete translation to Japanese

Type Into activity

https://activities.uipath.com/docs/type-into
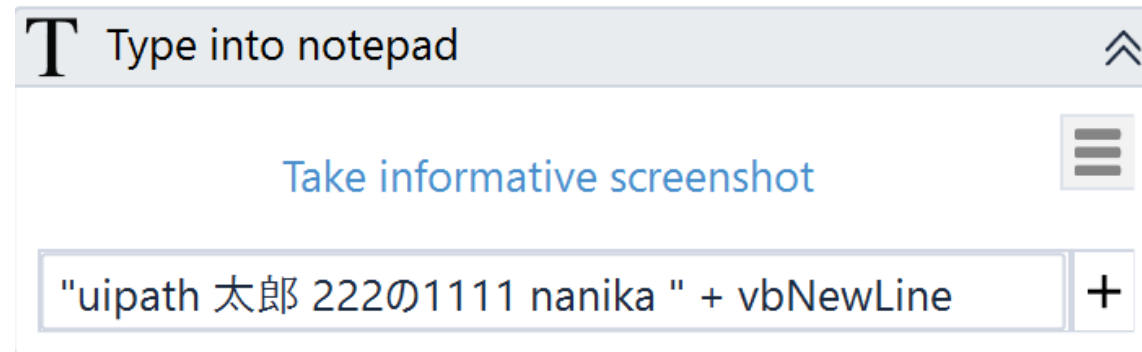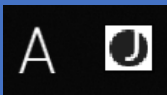
"Sends keystrokes to a UI element"

Type Into activity options

- *ClickBeforeTyping*: send a click event first

- *EmptyField*: delete the content of the element first

- Method:

  - Default: hardware events (slow)

  - *SendWindowMessages*: Windows event API

  - *SimulateType*: Application dependent (fast)

- *Activate*: bring to foreground

- *DelayBetweenKeys*

} for hardware event only

Difficulties with Japanese input

The Japanese IME interprets hardware events

Configuration and state of the IME are not predictable

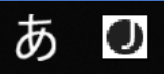|	Default	SendWindowMessages	SimulateType
Half-width Alphanumeric	uipath 太郎 222の1111 nanika (OK)	OK	OK
Hiragana	ウイパth太郎２２２の１１１１何か (NG)	OK	OK

Good practice guidelines

- Use *SimulateType* (or alternatively *SendWindowMessages*)

- Disable Japanese IME altogether (BOR)

- Be aware of corner cases…

Note: workarounds possible
(e.g. *Set To Clipboard + Send Hotkey* ctrl+v)

Corner cases

- SimulateType is not always an option:
  - Virtualized environment (Citrix, RDP, VirtualBox windows...)
  - Web forms listening for user events (e.g. email checks)

- Half-width Katakana (known issue, will receive bugfix)

	Default	SendWindowMessages	SimulateType
English Layout ENG US	ゲゲゲの鬼太郎 (OK)	OK	OK
Half-width Alphanumeric A	*`*`*`の鬼太郎 (NG)	:@:@:@の鬼太郎 (NG)	OK
Hiragana あ	*'*'*'の鬼太郎 (NG)	:@:@:@の鬼太郎 (NG)	OK