



**User Events**

# User Events

## Monitor System Events

 Keyboard, mouse, folder

## Monitor Elements, Image

 Keyboard, mouse, image

## Monitoring properties

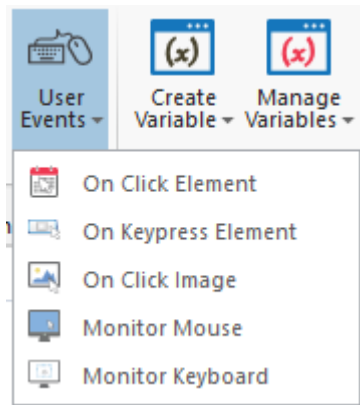
 MonitorForever, Trigger properties

## Monitoring helper activities

*Best Practices*  
*Q&A*  
*Test*  
*Online Resources*

# How to monitor?

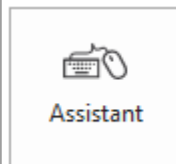
by using the wizards from the menu bar



by using the activities related to events monitoring

- ▲ User Events
  - ▲ Image Trigger
    - Click
  - ▲ Element Trigger
    - Click
    - Keypress
  - ▲ System Trigger
    - File Change
    - Keyboard
    - Mouse
  - Get Source Element
  - Monitor Events
  - Replay User Event

by using the predefined Agent Assistant Template from the Start menu



## Agent Process Improvement

Trigger an automation in response to a mouse or keyboard user event.

# Monitor system events

Helps you capture keyboard usage or mouse clicks anywhere on the screen, regardless of the application you are interacting with

- system keypress events
- system mouse click events

It also can monitor changes in the file system, so you can trigger events based on folders and files changes

- file system events

# Monitor elements, image

Helps you capture keyboard usage or mouse clicks on a specific UI element that we want to monitor

- element keypress events
- element mouse click events

You can also monitor mouse clicks on a specific image, which can be very useful with Citrix, where we only see images

- image click events

# Monitoring settings

## Monitoring properties

- **RepeatForever**

the response is triggered only one time - first time  
or every time the event happens

# Monitoring settings

## Trigger properties

- **Synchronous and Asynchronous Events Capturing**

- in a synchronous case, UiPath's workflow response happens before or instead of the app's original response

- in an asynchronous case, UiPath's workflow response does not interfere with the original response and happens in parallel

- **Block event**

- stops the original response from taking place

- makes sense only in Synchronous scenario

# Monitoring settings

## Event handling activities

- **Replay User Event**  
it can call the original response to the event, in cases or at times decided by our workflow
- **Get Source Element**  
gets the reference to the UI element that triggered the event



# Exercise 1: accept a number of tries

Open an email page like mail.google.com

1. create a monitor for left clicks on the submit button
2. create a monitor for using enter in the password field
3. allow only 3 tries for logging in, after that block the event

# Exercise 2: block user for large amount

Open AnyTeller application and go to withdrawal section

1. create a monitor for the Accept button
2. allow only transactions under 10000 to go through, otherwise add a message box to talk to a manager
3. allow also transactions over 10000 to go through, but send an email to a manager if this happens

# Best Practices

- **beware, more triggers can be set for the same response and is recommendable when we want to act in the exact same way to a number of events**

# Problem 1: block user from copying

Open AnyTeller application and go to withdrawal section

1. prevent the use from copying the transaction amount
2. add a message box to inform copying the information is not allowed



Q&A



Test

# Online resources

- Ui [Intercept user events](#)
- Ui [Agent Assisted Automation](#)
- Ui [Synchronize two folders](#)
- Ui [React to user clicks in Citrix](#)