

Visual Workflow Automation Tools

[https://invent.kde.org/cschumac/feep/-/tree/master/
tools/presentation_Visual_Workflow_Automation_Tools](https://invent.kde.org/cschumac/feep/-/tree/master/tools/presentation_Visual_Workflow_Automation_Tools)

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xdotool

<https://www.semicomplete.com/projects/xdotool>

Command line interface to XTEST

- ▶ Send input events
 - ▶ Manipulate windows
 - ▶ X
 - ▶ Same desktop
- ```
xdotool key ctrl+o
sleep 1
xdotool type "20yearsofKDE.pdf"
sleep 1
xdotool key Return
```

# Xnee

<https://savannah.gnu.org/projects/xnee/>

## Library and tool for GUI testing

- ▶ Record input events to file
- ▶ Replay from file to multiple X sessions
- ▶ Compress mouse events
- ▶ X

```
6,2,0,0,0,37,0,350337,3,Virtual core keyboard
7,6,992,614,0,0,0,462213,13,'TPPS/2 IBM TrackPoint'
```

# PyAutoGUI

<https://pypi.org/project/PyAutoGUI/>

## Library for GUI automation

- ▶ Send input events
- ▶ Make screenshots
- ▶ Locate images
- ▶ X
- ▶ Same desktop, only primary screen

```
b = pyautogui.locateOnScreen('button.png')
pyautogui.click(center(b))
```

# Atbswp / Automate the boring stuff with Python

<https://github.com/rmpr/atbswp>

## wxPython toolbar

- ▶ Record and replay macros
- ▶ Export as Python script
- ▶ X (PyAutoGUI)
- ▶ Wayland announced

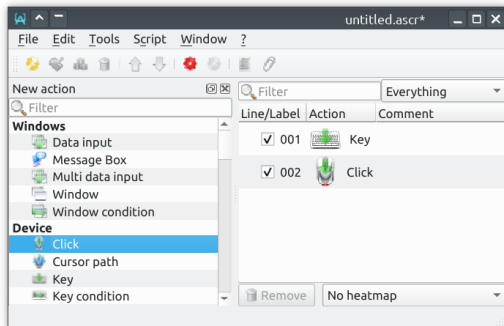


# Actiona

<https://actiona.tools/>

GUI application for visual workflow automation

- ▶ Send input events
- ▶ Drag&drop editor for workflows
- ▶ JavaScript scripting
- ▶ X
- ▶ Same desktop

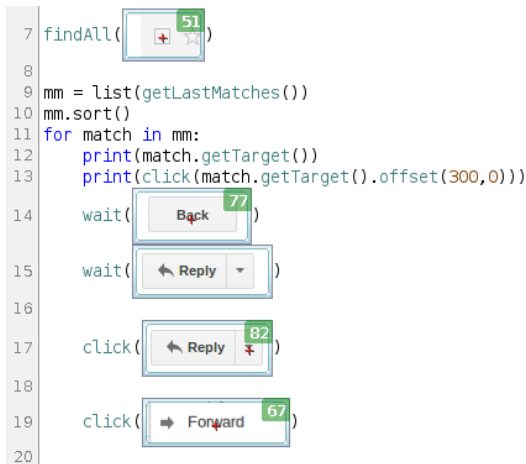


# Sikulix

<https://sikulix.com>

## GUI application for visual workflow automation

- ▶ Send input events
  - ▶ IDE with inline thumbnail display
  - ▶ JPython scripting
  - ▶ Make screenshots
  - ▶ Locate text and images
- 
- ▶ X
  - ▶ Same desktop



<https://wiki.sydarkivera.se/wiki/Fil:Sikulix.png>

# Squish

<https://www.froglogic.com/squish/>

Automatic GUI test suite (proprietary)

- ▶ Record and send input & toolkit events
- ▶ Locate text and images
- ▶ GUI toolkit
- ▶ VNC



# Eggplant Functional

<http://docs.eggplantsoftware.com/ePF/gettingstarted/epf-getting-started-eggplant-functional.htm>

## Automatic GUI test suite (proprietary)

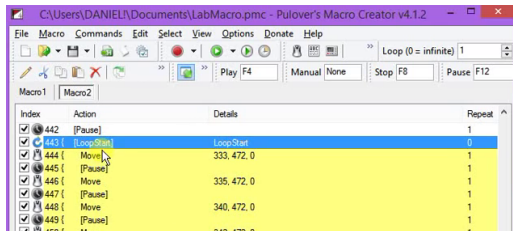
- ▶ Record and send input events
- ▶ Locate text and images
- ▶ VNC
- ▶ RDP

# PuloversMacroCreator

<https://macrocreator.com>

GUI application for visual workflow automation

- ▶ Record and send input events
- ▶ IDE for AutoHotkey scripts
- ▶ Locate images
- ▶ Windows (AutoHotkey)



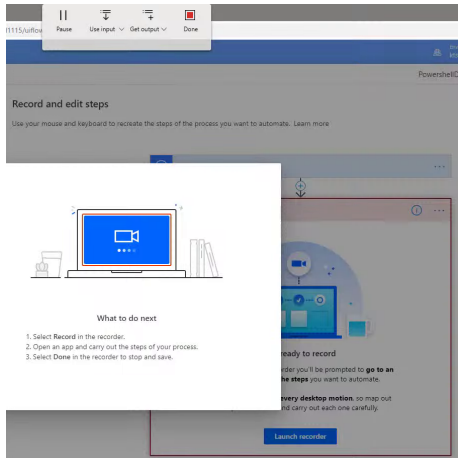
<https://www.youtube.com/watch?v=nP6qE5gwbU>

# WinAutomation / Microsoft Power Automate Desktop

<https://docs.microsoft.com/en-us/power-automate/desktop-flows/>

“Robotic process automation”

- ▶ Record and send input events
- ▶ Locate images
- ▶ Manipulate windows
- ▶ Windows



<https://www.youtube.com/watch?v=s-Z-Y4cErAE>