CREATING ONEFILE EXE. PYTHON APP

1)**CREATE VIRTUAL ENVIROMENT**

**2)CREATE APP**

**3)You create a spec file, using this command:**

pyi-makespec *options* *name*.py [*other scripts* …]

Ovo kreira *name.spec* file koji se onda modifikuje da se dobjie onefile sa embedede cromdriverom i bez console, kao dole:

# -\*- mode: python ; coding: utf-8 -\*-

block\_cipher = None

a = Analysis(['svezajedno4.py'],

pathex=['C:\\Users\\ZORAN\\Desktop\\PAYTON\\APP\\FINAL'],

OVO JE TUPLE KOKJI SADRZE DEPENDENCE U BINARNOM OBLUIKU

(U OVOM SLUCAJU CROMEDRIWER)

binaries=[('C:\\Windows\\chromedriver.exe','.')],

datas=[],

hiddenimports=[],

hookspath=[],

runtime\_hooks=[],

excludes=[],

win\_no\_prefer\_redirects=False,

win\_private\_assemblies=False,

cipher=block\_cipher,

noarchive=False)

pyz = PYZ(a.pure, a.zipped\_data,

cipher=block\_cipher)

exe = EXE(pyz,

a.scripts,

a.binaries,

a.zipfiles,

a.datas,

name='NTMA',

debug=False,

bootloader\_ignore\_signals=False,

strip=False,

upx=True,

runtime\_tmpdir=None,

console=False, DA APLIKACIJE NE PRIKAZUJE CONSOLU

icon='C:\\Users\\ZORAN\\Desktop\\Eye.ico' )

https://stackoverflow.com/questions/47143315/using-onefile-with-a-spec-in-pyinstaller

COLLECT SE MORA IZBRISATI AKO SE ZELI ONEFILE I SVE PREBACITI U EXE DIO

coll = COLLECT(exe,

a.binaries,

a.zipfiles,

a.datas,

strip=False,

upx=True,

name='\*\*scriptname\*\*')

3a)DA BI SE SAKTILO I DA CROM DRIVER NE POKRECE SVOJ CONSOLE KORISTI:

https://stackoverflow.com/questions/33983860/hide-chromedriver-console-in-python

PRVI NACIN JE DA SE MODIFUIKUJE SAM PAKET

C:\Users\ZORAN\AppData\Local\Programs\Python\Python36-32\Lib\site-packages\selenium\webdriver\common

Locate and edit this file as follows: located at **Lib\site-packages\selenium\webdriver\common\services.py** in your Python folder.

Edit the Start() function by adding the creation flags this way: **creationflags=CREATE\_NO\_WINDOW**

The edited method will be as below:

def start(self):

"""

Starts the Service.

:Exceptions:

- WebDriverException : Raised either when it can't start the service

or when it can't connect to the service

"""

try:

cmd = [self.path]

cmd.extend(self.command\_line\_args())

self.process = subprocess.Popen(cmd, env=self.env,

close\_fds=platform.system() != 'Windows',

stdout=self.log\_file, stderr=self.log\_file, creationflags=CREATE\_NO\_WINDOW)

except TypeError:

raise

Worth noting that CREATE\_NO\_WINDOW [is just a constant](https://github.com/mhammond/pywin32/blob/7da19cd2ca3fac06638d9af690b8b6f5fcc65e8b/win32/Lib/win32con.py#L4540), so you don't necessarily need pywin32. The value of the constant is 134217728 which should work the same. – [sytech](https://stackoverflow.com/users/5747944/sytech" \o "5,451 reputation) [Feb 6 '18 at 16:24](https://stackoverflow.com/questions/33983860/hide-chromedriver-console-in-python#comment84292346_39937466)

DRUGA OPCIJA JE

one option you have is to create your own sub-classes for both the Chrome WebDriver and the Service class it uses.

**3b)ODUSTAO SAM OD 3a) I PRESA O NA DINAMICKI UPDATE**

**from webdriver\_manager.chrome import ChromeDriverManager**

**CHROMEDRIVER\_PATH = ChromeDriverManager().install()**

**aLI NESTO ZEZA SA SAKRIVENOM CONSOLOM, PAS SAM JE ODLUCI POKAZATI**

**4) KREIRAJ APLIKACIJU SA**

**pyinstaller name.spec**

**https://stackoverflow.com/questions/47143315/using-onefile-with-a-spec-in-pyinstaller**

Use pyi-makespec --onefile yourprogram.py to generate a sample spec file for onefile mode.

<https://pythonhosted.org/PyInstaller/man/pyi-makespec.html>

There is no COLLECT call, and the EXE call is different. Example:

exe = EXE(pyz,

a.scripts,

a.binaries,

a.zipfiles,

a.datas,

name='main',

debug=False,

strip=False,

upx=True,

runtime\_tmpdir=None,

console=True )

**5)KAKO RADE OBJEKTI:**

**https://stackoverflow.com/questions/40966908/multiple-windows-size-for-multiple-frame-in-tkinter**

**# self represents the current object. This is a common first parameter for any method of a class.**

**# As you suggested, it's similar to Java's this.**

**# parent represents a widget to act as the parent of the current object.**

**# All widgets in tkinter except the root window require a parent(sometimes also called a master)**

**# controller represents some other object that is designed to act as a**

**# common point of interaction for several pages of widgets.**

**# It is an attempt to decouple the pages.**

**# That is to say, each page doesn't need to know about the other pages.**

**# If it wants to interact with another page, such as causing it to be visible,**

**# it can ask the controller to make it visible.**

**6)THREADING KORISTIMO DA bi se U ISTO VRIJEME KONEKTOVALI I POKAZALI PROGREWS BAR**

**https://stackoverflow.com/questions/33768577/tkinter-gui-with-progress-bar**

**7) ELIMINACIJA SELF OVERHEADA**

# [How to access the values of Chrome's Dev tools Network tab's Request or summary using Selenium in python/java?](https://stackoverflow.com/questions/46936851/how-to-access-the-values-of-chromes-dev-tools-network-tabs-request-or-summary)

**https://stackoverflow.com/questions/46936851/how-to-access-the-values-of-chromes-dev-tools-network-tabs-request-or-summary**

***def* calculate\_overhead(*self*):**

**if self.OVERHEAD:**

**return self.browser.execute\_script("""**

**return performance.getEntries()**

**.filter(e => e.entryType==='navigation' || e.entryType==='resource')**

**.reduce((acc, e) => acc + e.transferSize, 0)**

**""")**

**return 0**

**OD NOVIH bajtova ODUZMI SELF generisnaih BAJTOVA**

You could use the [performance API](https://developer.mozilla.org/en-US/docs/Web/API/Window/performance) to get the transferred size.

Transferred size for the main page and each resources:

sizes = driver.execute\_script("""

return performance.getEntries()

.filter(e => e.entryType==='navigation' || e.entryType==='resource')

.map(e=> ([e.name, e.transferSize]));

""")

Transferred size for the main page only:

size = driver.execute\_script("""

return performance.getEntriesByType('navigation')[0].transferSize;

""")

Total transferred size for the main page and resources:

size = driver.execute\_script("""

return performance.getEntries()

.filter(e => e.entryType==='navigation' || e.entryType==='resource')

.reduce((acc, e) => acc + e.transferSize, 0)

""")

# [Chrome: API for performance data](https://stackoverflow.com/questions/48938449/chrome-api-for-performance-data)

**https://stackoverflow.com/questions/48938449/chrome-api-for-performance-data**

**8)**

# [Headless chrome web driver too slow](https://stackoverflow.com/questions/51503437/headless-chrome-web-driver-too-slow-and-unable-to-download-file)

**https://stackoverflow.com/questions/51503437/headless-chrome-web-driver-too-slow-and-unable-to-download-file/53281379#53281379?newreg=9cfbb948ed5041219985e8824eb7a61f**

In addition to [iamsankalp89](https://stackoverflow.com/users/8164333/iamsankalp89) answer:

chrome\_options.add\_argument('--no-proxy-server')

**these additional options helped me to drastically increase the performance**:

chrome\_options.add\_argument("--proxy-server='direct://'");

chrome\_options.add\_argument("--proxy-bypass-list=\*");

**9)**

# [How do I handle the window close event in Tkinter?](https://stackoverflow.com/questions/111155/how-do-i-handle-the-window-close-event-in-tkinter)

**https://stackoverflow.com/questions/111155/how-do-i-handle-the-window-close-event-in-tkinter**

Tkinter supports a mechanism called [protocol handlers](http://effbot.org/tkinterbook/tkinter-events-and-bindings.htm#protocols). Here, the term protocol refers to the interaction between the application and the window manager. The most commonly used protocol is called WM\_DELETE\_WINDOW, and is used to define what happens when the user explicitly closes a window using the window manager.

You can use the protocol method to install a handler for this protocol (the widget must be a Tk or Toplevel widget):

Here you have a concrete example:

import tkinter as tk

from tkinter import messagebox

root = tk.Tk()

def on\_closing():

if messagebox.askokcancel("Quit", "Do you want to quit?"):

root.destroy()

root.protocol("WM\_DELETE\_WINDOW", on\_closing)

root.mainloop()

**https://matplotlib.org/3.1.1/gallery/event\_handling/close\_event.html**

**MTM aplikacija**

**Cilj ove eksperimentalne aplikacije je da se omogući uvid u ukupan saobraćaj koji se ostvaruje tokom slanja i primanja sadržaja. Kvantitativna ocijena ukupnog saobraćaja ova aplikacija realizuje vizualnom predstavom trenutne bitske brzine na izabranom interfejsu (bežični ili žičani standard), odgovarajućeg kućnog rutera (modema).**

**Značaj ove aplikacije je što se uvid u količinu saobraćaja korisnika ostvaruje u tački konvergencije kućne mreže, odnosno na mijestu povezivanja mreže korisnika sa mrežom operatera, a ne na pojedinačnom uređaju korisnika.**

**Preporuke**

**Ako se aplikacije uključuje prvi put na računaru, potrebno je postojanje Internet povezanosti računara, zbog potrebe pribavljanja ili osvježavanja odgovarajućeg drajvera (pomoćnog programa potrebnog za nesmetan rad aplikacije). Za dalji normalan rad aplikacije, povezanost sa Internetom nije neophodna.**

**Zbog eksperimentalne prirode aplikacije, nepravilnosti u njenom radu nisu nemogući. Ovdije posebno treba istaći slučaj gdije su *MJERENI INTERFEJS* i *POVEZNI INTERFEJS* (interfejs povezivanja rutera i računara na kome se nalazi aplikacija), izabrani kao WIFI. Jer u slučaju izrazitog zagušenja wifi linka ova kombinacija interfejsa može dovesti do ispada aplikacije (npr. Timeout error). Ovakav scenario je moguć zbog dijeljene prirode (*shered enviroment*) wifi tehnologije i ne postojanja nikakve posebene prioritetnosti ove aplikacije nad bilo kojom drugom aplikacijom ili drugim saobraćajem korisnika.**

PAYTHON

[python 3.x - Headless chrome web driver too slow and unable to download file - Stack Overflow](https://stackoverflow.com/questions/51503437/headless-chrome-web-driver-too-slow-and-unable-to-download-file/53281379#53281379?newreg=9cfbb948ed5041219985e8824eb7a61f)

[python - Multiple windows size for multiple frame in tkinter - Stack Overflow](https://stackoverflow.com/questions/40966908/multiple-windows-size-for-multiple-frame-in-tkinter)

[Create a Python executable with chromedriver & Selenium - Stack Overflow](https://stackoverflow.com/questions/49853252/create-a-python-executable-with-chromedriver-selenium)

[python - Using --onefile with a .spec in PyInstaller - Stack Overflow](https://stackoverflow.com/questions/47143315/using-onefile-with-a-spec-in-pyinstaller)

[selenium - hide chromeDriver console in python - Stack Overflow](https://stackoverflow.com/questions/33983860/hide-chromedriver-console-in-python)

[python - Reducing size of pyinstaller exe - Stack Overflow](https://stackoverflow.com/questions/47692213/reducing-size-of-pyinstaller-exe)

[python - How do I handle the window close event in Tkinter? - Stack Overflow](https://stackoverflow.com/questions/111155/how-do-i-handle-the-window-close-event-in-tkinter)

[Close Event — Matplotlib 3.1.1 documentation](https://matplotlib.org/3.1.1/gallery/event_handling/close_event.html)

[python - How to change plot background color? - Stack Overflow](https://stackoverflow.com/questions/14088687/how-to-change-plot-background-color)

[Matplotlib: Changing the color of an axis - Stack Overflow](https://stackoverflow.com/questions/1982770/matplotlib-changing-the-color-of-an-axis)

[Customizing Matplotlib with style sheets and rcParams — Matplotlib 3.1.1 documentation](https://matplotlib.org/3.1.1/tutorials/introductory/customizing.html)

[python - tkinter gui with progress bar - Stack Overflow](https://stackoverflow.com/questions/33768577/tkinter-gui-with-progress-bar)

[python selenium chrome.exe background process not killed after quit() - Stack Overflow](https://stackoverflow.com/questions/49476146/python-selenium-chrome-exe-background-process-not-killed-after-quit)

[python - Class has no objects member - Stack Overflow](https://stackoverflow.com/questions/45135263/class-has-no-objects-member)

[How to access the values of Chrome&apos;s Dev tools Network tab&apos;s Request or summary using Selenium in python/java? - Stack Overflow](https://stackoverflow.com/questions/46936851/how-to-access-the-values-of-chromes-dev-tools-network-tabs-request-or-summary)

[python - Chrome: API for performance data - Stack Overflow](https://stackoverflow.com/questions/48938449/chrome-api-for-performance-data)