

BUNSEKI

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<https://github.com/weriko/complexityAnalysis>

SECURITY INSTRUCTIONS

Check that the code to be analyzed is secure.

Install from github.

you not modify the code.

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INTRODUCTION

Thanks for choosing our program. Bunseki will allow the user to analyze python code using its disassembler. it is able to load code from github or a local file. it also allow to test some of the code's functions to know an approximation of its complexity.

VERSIONS

Beta 0.1

Project created.

News:

load code from github or local files.

find the complexity of the code using loops.

Beta 0.2

Code's tests implemented.

News:

function tests added and their graph

Beta 0.3

Desingned UI

News:

improved UI

menu added

FUTURE VERSIONS

Beta 0.4

recursive function analysis and mobile export

SYSTEM REQUIEREMENTS

Operative system : Windows 7,8,10 o higher and any linux version with python support

Memory: 1GB

Ram: 4GB

PREVIOUS REQUIEREMENTS

knowledge about python disassembler and graph analysis. Basic knowledge about algorithmic complexity.

REQUIERED PROGRAMS

- Python

MODULES

- | | |
|---------------------|---|
| • python-requests | https://requests.readthedocs.io/es/latest/ |
| • python-uuid | https://docs.python.org/3/library/uuid.html |
| • python-kivy | https://kivy.org/#home |
| • python-time | https://docs.python.org/3/library/time.html |
| • python-json | https://docs.python.org/3/library/json.html |
| • python-base64 | https://docs.python.org/3/library/base64.html |
| • python-re | https://docs.python.org/3/library/re.html |
| • python-io | https://docs.python.org/3/library/io.html |
| • python-dis | https://docs.python.org/3/library/dis.html |
| • python-matplotlib | https://matplotlib.org/ |

OTHER MODULES

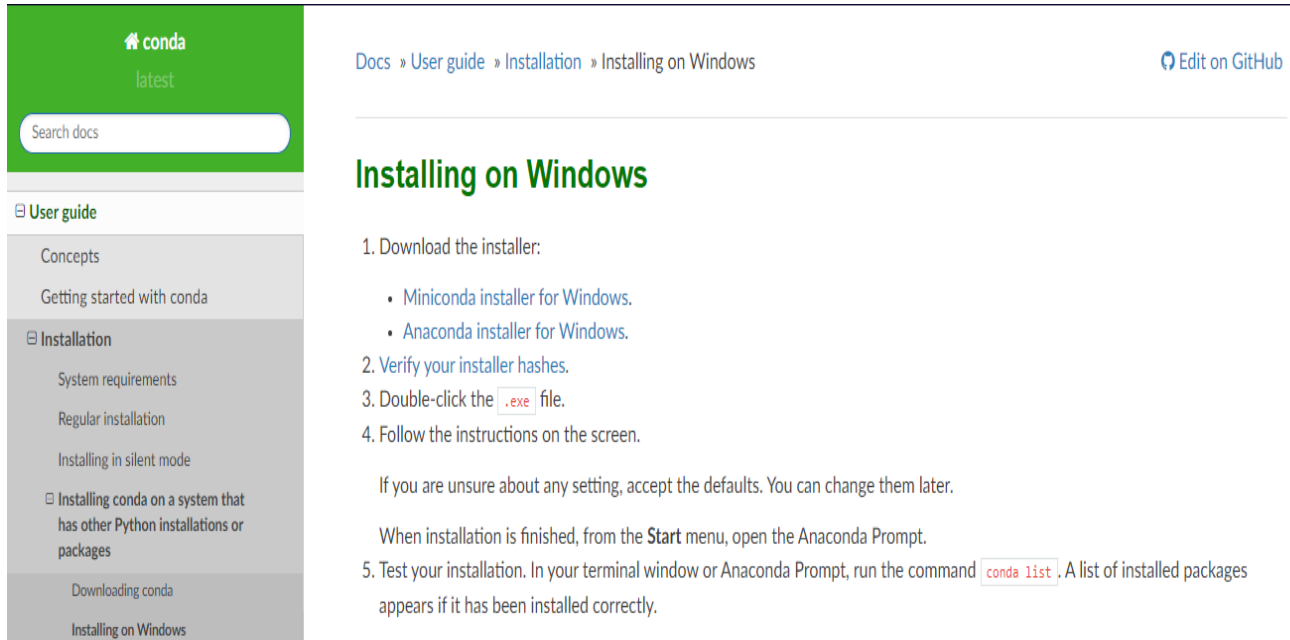
- | | |
|-------|---|
| • git | https://git-scm.com/ |
| • pip | https://pypi.org/project/pip/ |

CONFIGURATION / INSTALATION

WINDOWS REPOSITORY

1. Python instalation

go to python or anaconda official website and follow the instructions.



The screenshot shows the Anaconda documentation website. On the left is a green sidebar with the 'conda' logo and a search bar. Below the search bar is a 'User guide' section with a list of topics: Concepts, Getting started with conda, Installation (selected), System requirements, Regular installation, Installing in silent mode, Installing conda on a system that has other Python installations or packages, Downloading conda, and Installing on Windows. The main content area has a breadcrumb trail: 'Docs » User guide » Installation » Installing on Windows'. To the right of the breadcrumb is a link to 'Edit on GitHub'. The title 'Installing on Windows' is in large green font. Below the title are five numbered steps: 1. Download the installer (with links for Miniconda and Anaconda installers), 2. Verify your installer hashes, 3. Double-click the .exe file, 4. Follow the instructions on the screen, and 5. Test your installation (with the command 'conda list'). There are also two paragraphs of text: 'If you are unsure about any setting, accept the defaults. You can change them later.' and 'When installation is finished, from the Start menu, open the Anaconda Prompt.'

2. Downloads módulos

Downloads requiered modules

3. GIT

use the next command: `git clone [app URL]` and go to the created directory.

4. Execute

execute with python.

LINUX REPOSITORY

many linux's distibutions have python. if you run into trouble check he official pytho website and use the next code for install.

- Ubuntu and debian

`sudo apt-get install python-[Module]` o use pip like `sudo pip install [Module]`

- ArchLinux
sudo pacman -S python-[Module]

Install git and use the command

- Ubuntu an debian
sudo apt-get install git
 - Archlinux
sudo pacman -S git
- command clone repository
git clone [URL del app]

run with python.