# SDDSpider Documentation

# Osama Al-Wardi

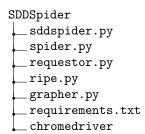
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#### 1 Introduction

SDDSpider is a tool that performs service dependency discovery on web application clients. It is a tool written in python3 and tested on Ubuntu 18.04. Looking at the files attached, "sddspider.py" is the main python script that handles the other modules. "requirements.txt" contains a list of all required libraries. "chromedriver" is an executable that allows to control Google Chrome.Below is the directory tree of SDDSpider:



## 2 Requirements

Firstly you need python3 and pip3. On Ubuntu the installation is like so.

```
user@user:~/src$ sudo apt-get update
user@user:~/src$ sudo apt-get install python3.6

user@user:~/src$ sudo apt install python3-pip
```

Also you need Google Chrome (click here) installed. Below is a list of all libraries used by SDDSpider:

- 1. json
- 2. graphviz
- 3. colorama
- 4. argparse
- 5. time
- 6. os
- 7. requests
- 8. pprint
- 9. urllib
- 10. selenium

#### 11. socket

All of those libraries are already pre-installed with python3 except for graphviz, selenium and colorama.

user@user:~/src\$ pip3 install graphviz

user@user:~/src\$ pip3 install colorama

user@user:~/src\$ pip3 install selenium

Also SDDSpider comes with a ChromeDriver file that is specific for Linux. In case you have a different OS, please replace this file with the ChromeDriver of your specific OS from (click here).

### 3 Interface and Usage

SDDSpider takes the following arguments.

An example command to test SDDSpider would be:

user@user:~/src\$ python3 sddspider.py -v -u https://www.youtube.com/

The results are saved by default to a directory called "data".