



National
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Configuration Manual

MSc Research Project
MSC. Cyber Security

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MSc Project Submission Sheet
School of Computing



Student Name: Varun Rangaraj
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Programme: MSc. In Cyber Security **Year:** 2020-2021
Module: Internship
Lecturer: Niall Heffernan
Submission Due Date: 22-08-2021
Project Title: **WHITE BOX TESTING XML INJECTIONS IN WEBSITES**
Word Count: 568 **Page Count:** 2

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Configuration Manual

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INTRODUCTION

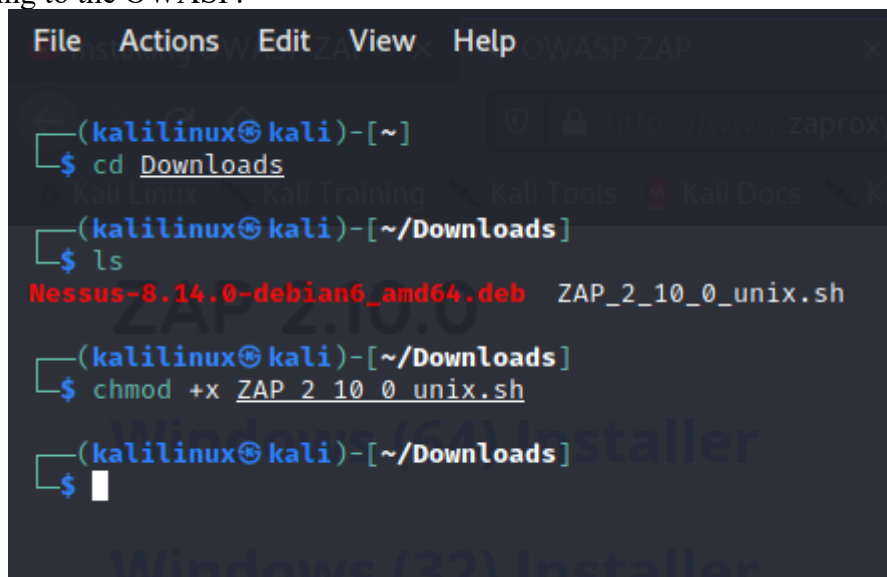
XML security is considered as one of our networks protocol types and the XML based network protocol helps to analyse structured data that are included within formatted information. The researcher has chosen positivism philosophy to identify the impact of white box testing in XML injection Websites. XML security is considered as one of our networks protocol types and the XML based network protocol helps to analyse structured data that are included within formatted information. The researcher has chosen static code to identify the impact of white box testing in XML injection Websites. Linux software has helped to visualize the influencing factors of white box testing in the XML injection website.

System Configuration

- Kali Linux operating system
- Linux package installer
- Installing OWASP version 2.0
- linux-x64 installation

Section 1: Download OWASP

The “OWASP ZAP (Zed Attack Proxy)” is one of the most effective penetration tools for finding the vulnerabilities, corresponding to different web applications. It is free and open-source tools for finding the vulnerabilities. The above figure shows the download page, corresponding to the OWASP.



```
File Actions Edit View Help
(kalilinux@kali)-[~]
└─$ cd Downloads
(kalilinux@kali)-[~/Downloads]
└─$ ls
Nessus-8.14.0-debian6_amd64.deb  ZAP_2_10_0_unix.sh
(kalilinux@kali)-[~/Downloads]
└─$ chmod +x ZAP_2_10_0_unix.sh
(kalilinux@kali)-[~/Downloads]
└─$
```

Section 2: OWASP

The “cd Download” has been used in order to enter the “Downloads” directory. Moreover, the “ls” command has been utilized for showing the files related to the selected directory. Furthermore, the “chmod +x” command has been considered for making a file executable.

```
(kalilinux@kali)-[~/Downloads]
└─$ sudo su
[sudo] password for kalilinux:
(kalilinux@kali)-[~/Downloads]
└─#
```

Section 3: Root user

The “sudo su” has been considered to for entering into root user.

```
(root@kali)-[~/Downloads]
└─# ./ZAP_2_10_0_unix.sh
Starting Installer ...
```

Step 1: Installing OWASP

This command has been utilized for installing the owasp.

```
(kalilinux@kali)-[~]
└─$ sudo apt-get upgrade
[sudo] password for kalilinux:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
The following packages were automatically installed and are no longer required:
 galera-3 libcapstone3 libconfig-inifiles-perl libcrypto++6 libdap25 libdbd-mariadb-perl libdbi-perl libgdal27 libgeos-3.8.1 libhtml-template-perl libjs-sizzle
 liblvm10 libmicrohttpd12 libperl5.30 libplymouth4 libpython3.8 libpython3.8-dev libpython3.8-minimal libpython3.8-stdlib libqt5opengl5 libradare2-4.3.1
 libreadline5 libsane libterm-readkey-perl libwireshark13 libwiredap10 libwsutil11 libxcb-util0 node-jquery python3-atomicwrites python3-gevent python3-greenlet
 python3-zope.event python3.8 python3.8-dev python3.8-minimal qt5-gtk2-platformtheme rsync ruby-connection-pool ruby-molinillo ruby-net-http-persistent ruby-thor
 xfce4-mailwatch-plugin xfce4-smartbookmark-plugin xfce4-statusnotifier-plugin xfce4-weather-plugin
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
```

Section 4: Sudo apt upgrade

This code has been utilized for upgrading the distro.

```
(kalilinux@kali)-[~]
└─$ sudo apt-get update
Get:1 http://kali.download/kali kali-rolling InRelease [30.5 kB]
Get:2 http://kali.download/kali kali-rolling/main amd64 Packages [17.8 MB]
Get:3 http://kali.download/kali kali-rolling/main amd64 Contents (deb) [39.9 MB]
Get:4 http://kali.download/kali kali-rolling/contrib amd64 Packages [108 kB]
Get:5 http://kali.download/kali kali-rolling/contrib amd64 Contents (deb) [134 kB]
Get:6 http://kali.download/kali kali-rolling/non-free amd64 Packages [201 kB]
Get:7 http://kali.download/kali kali-rolling/non-free amd64 Contents (deb) [954 kB]
Fetched 59.1 MB in 15s (4,063 kB/s)
Reading package lists... Done
```

Section 5: Sudo apt update

This command has been used for updating the distro after installing any software.

```
(kalilinux@kali)-[~/Downloads]
└─$ ls
mutillidae  Nessus-8.14.0-debian6_amd64.deb  NOT-LATEST-MUTILLIDAE-MOVED-TO-GITHUB-mutillidae-2.6.67.zip  xampp-linux-x64-7.3.29-2-installer.run  ZAP_2_10_unix.sh

(kalilinux@kali)-[~/Downloads]
└─$ ./xampp-linux-x64-7.3.29-2-installer.run
zsh: permission denied: ./xampp-linux-x64-7.3.29-2-installer.run

(kalilinux@kali)-[~/Downloads]
└─$ chmod 777 xampp-linux-x64-7.3.29-2-installer.run

(kalilinux@kali)-[~/Downloads]
└─$ ls
mutillidae  Nessus-8.14.0-debian6_amd64.deb  NOT-LATEST-MUTILLIDAE-MOVED-TO-GITHUB-mutillidae-2.6.67.zip  xampp-linux-x64-7.3.29-2-installer.run  ZAP_2_10_unix.sh

(kalilinux@kali)-[~/Downloads]
└─$ sudo ./xampp-linux-x64-7.3.29-2-installer.run
[sudo] password for kalilinux:
```

Section 6: XAMPP Interface

The command “chmod 777” has been used to make a file accessible to everywhere.