Information Assurance & Auditing

4th Year, 1st Semester

Assignment

Submitted to

Sri Lanka Institute of Information Technology

In partial fulfillment of the requirements for the

Bachelor of Science Special Honors Degree in Information Technology

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Introduction

In the time of information and data with quick advancements in Information Technology, each assistance organization has intentionally started utilizing open system structures as embodied by the Internet. IS or IT Audit is "The way toward gathering and checking on proof to survey whether a PC framework secures data, jelly information honesty, empowers hierarchical objectives to be successfully cultivated and proficiently uses assets." As an IT examiner there are significant perspectives which must be watched and call attention to raise hazard against proof.

For any organization digital assurance is significant. However, the stakes are a lot higher, significant information which can be redirected for extortion or other criminal operations. Along these lines, safety efforts are fundamental for any business association. These activities ought to be intended to recognize and discourage endeavors to take client information, and to defend inner and outside exposures so as to limit and shield the earth.

Today sites are the most drifting stage for everything, for a business , to keep the site ready for action and to give best all around made sure about client experience, we ought to do keeps checking just as customary reviews, I'm demonstrating how we perform reviews on sites and web applications all the more explicitly security reviews

Introduction to Nessu

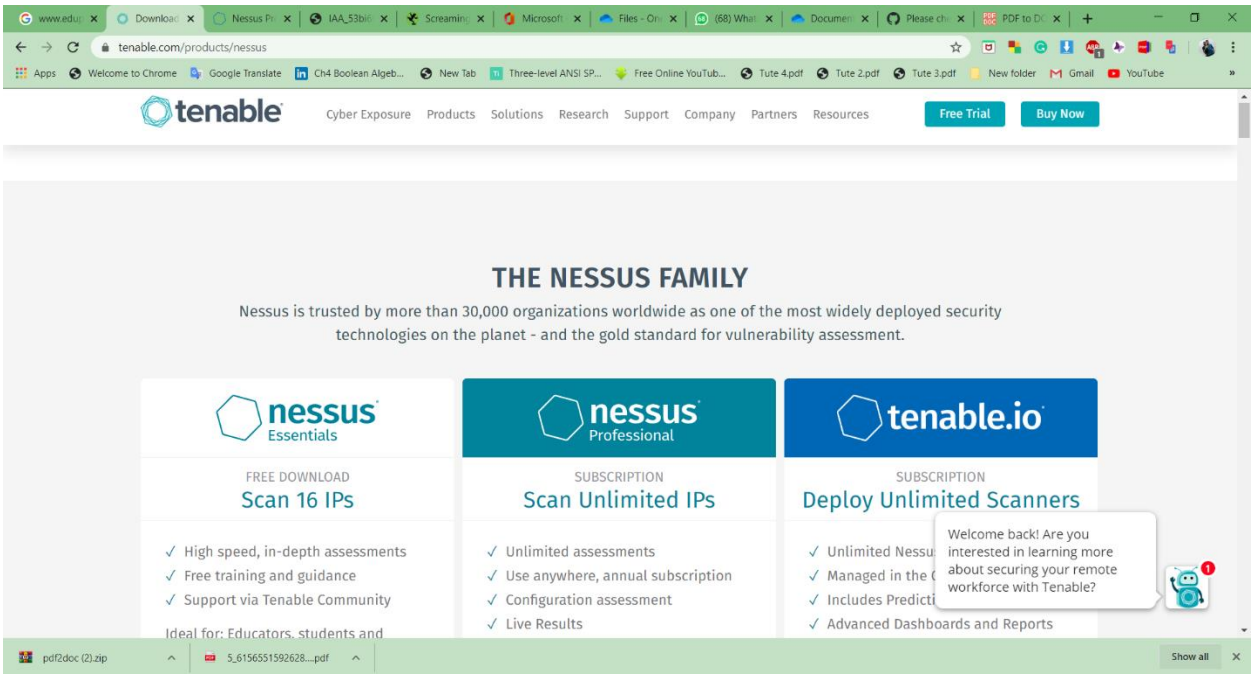
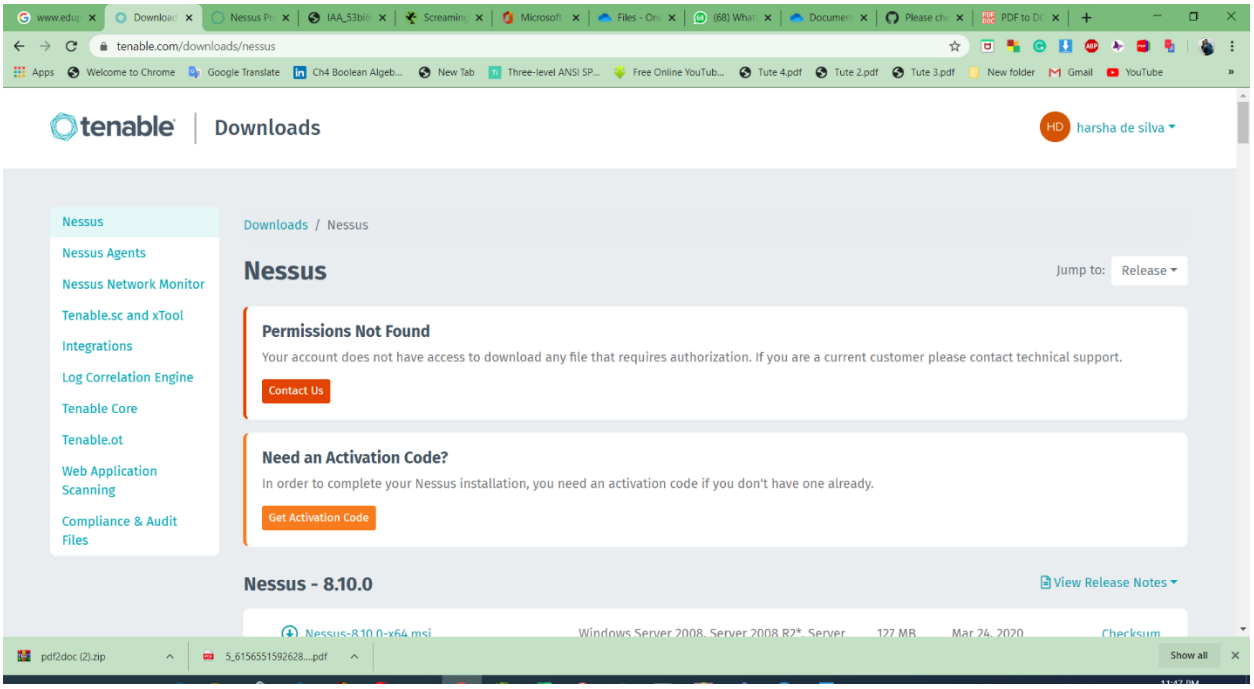


Figure 1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Release
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Your account does not have access to download any file that requires authorization. If you are a current customer please contact technical support.
Contact Us
Need an Activation Code?
In order to complete your Nessus installation, you need an activation code if you don't have one already.
Get Activation Code
Nessus - 8.10.0
View Release Notes
Show all

Figure 2

Scanig options

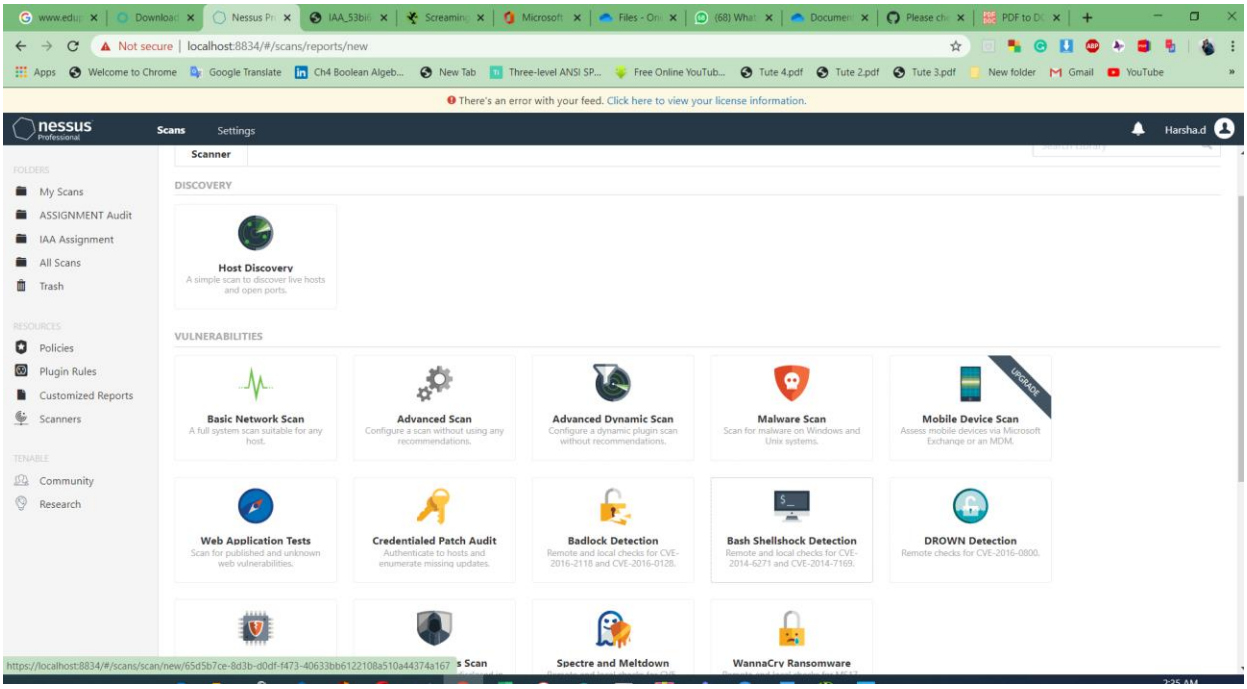

Figure 3

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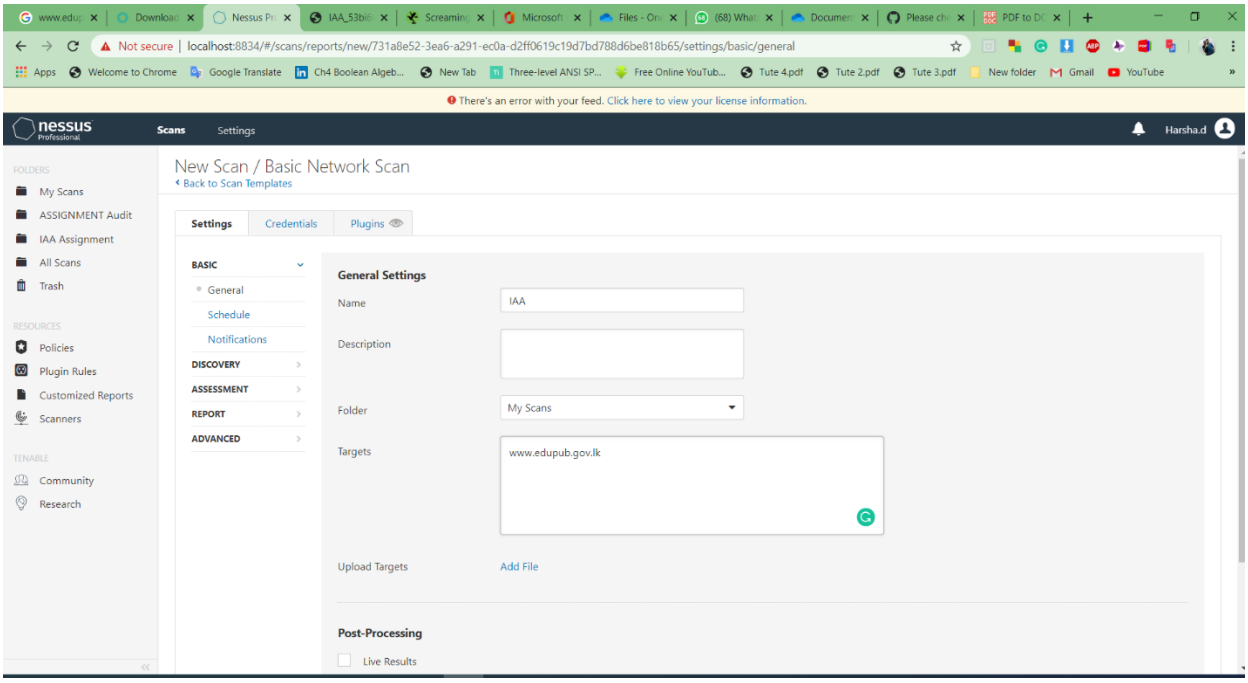


Figure 4

Vulnerability scan Report

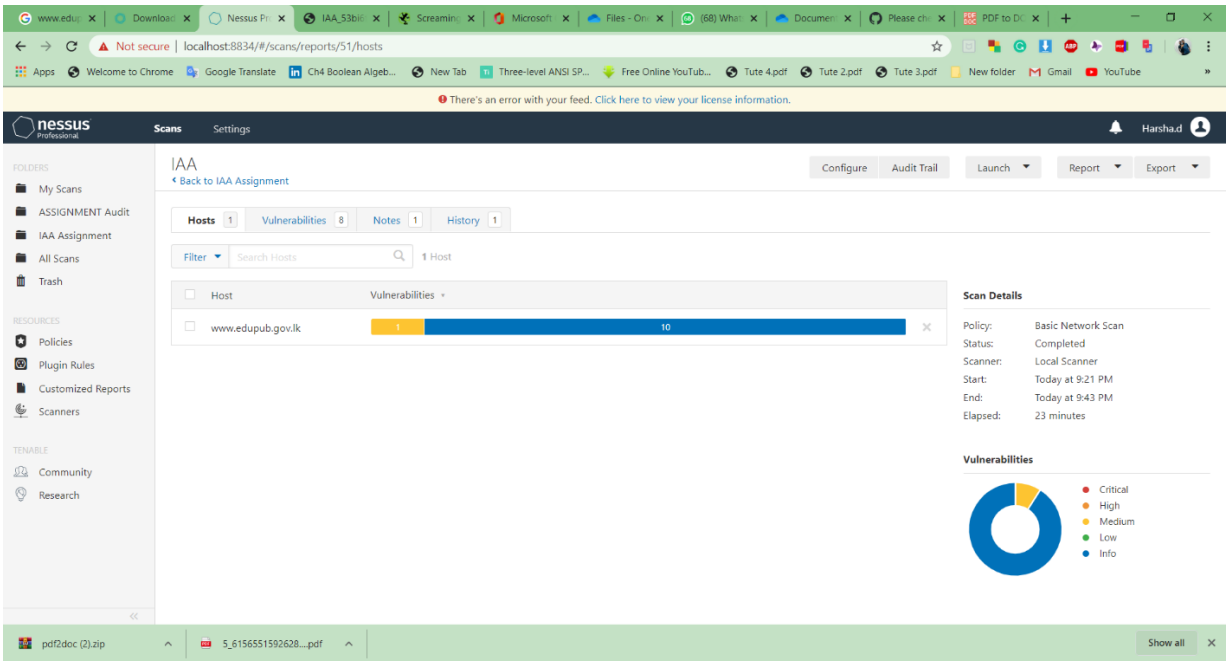
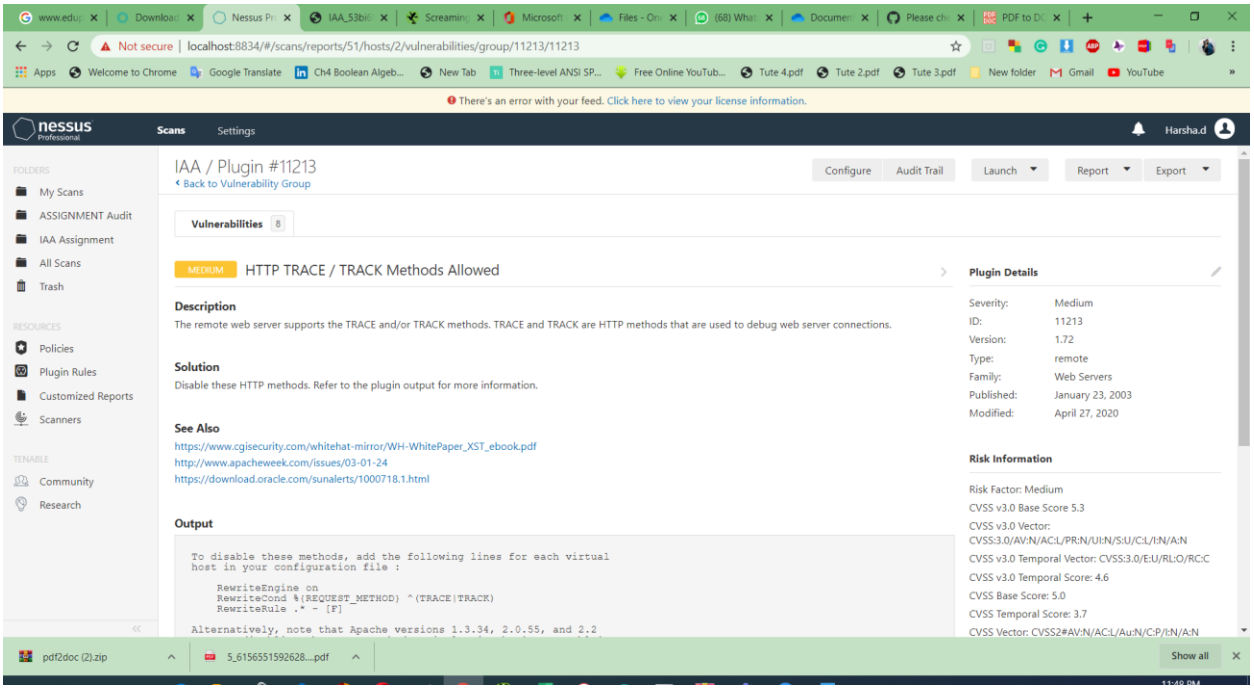


Figure 5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Scans
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FOLDERS
My Scans
ASSIGNMENT Audit
IAA Assignment
All Scans
Trash
RESOURCES
Policies
Plugin Rules
Customized Reports
Scanners
TENABLE
Community
Research
IAA / Plugin #11213
Back to Vulnerability Group
Configure
Audit Trail
Launch
Report
Export
Vulnerabilities 8
MEDIUM
HTTP TRACE / TRACK Methods Allowed
Description
The remote web server supports the TRACE and/or TRACK methods. TRACE and TRACK are HTTP methods that are used to debug web server connections.
Solution
Disable these HTTP methods. Refer to the plugin output for more information.
See Also
https://www.cgisecurity.com/whitehat-mirror/WH-WhitePaper_XST_ebook.pdf
http://www.apacheweek.com/issues/03-01-24
https://download.oracle.com/sunalerts/1000718.1.html
Output
To disable these methods, add the following lines for each virtual
host in your configuration file :
RewriteEngine on
RewriteCond %{REQUEST_METHOD} ^(TRACE|TRACK)
RewriteRule .* - [F]
Alternatively, note that Apache versions 1.3.34, 2.0.55, and 2.2
Plugin Details
Severity: Medium
ID: 11213
Version: 1.72
Type: remote
Family: Web Servers
Published: January 23, 2003
Modified: April 27, 2020
Risk Information
Risk Factor: Medium
CVSS v3.0 Base Score 5.3
CVSS v3.0 Vector:
CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:N/A:N
CVSS v3.0 Temporal Vector: CVSS:3.0/E:U/RL:O/RC:C
CVSS v3.0 Temporal Score: 4.6
CVSS Base Score: 5.0
CVSS Temporal Score: 3.7
CVSS Vector: CVSS2#AV:N/AC:L/Au:N/C:P/I:N/A:N
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Figure 6

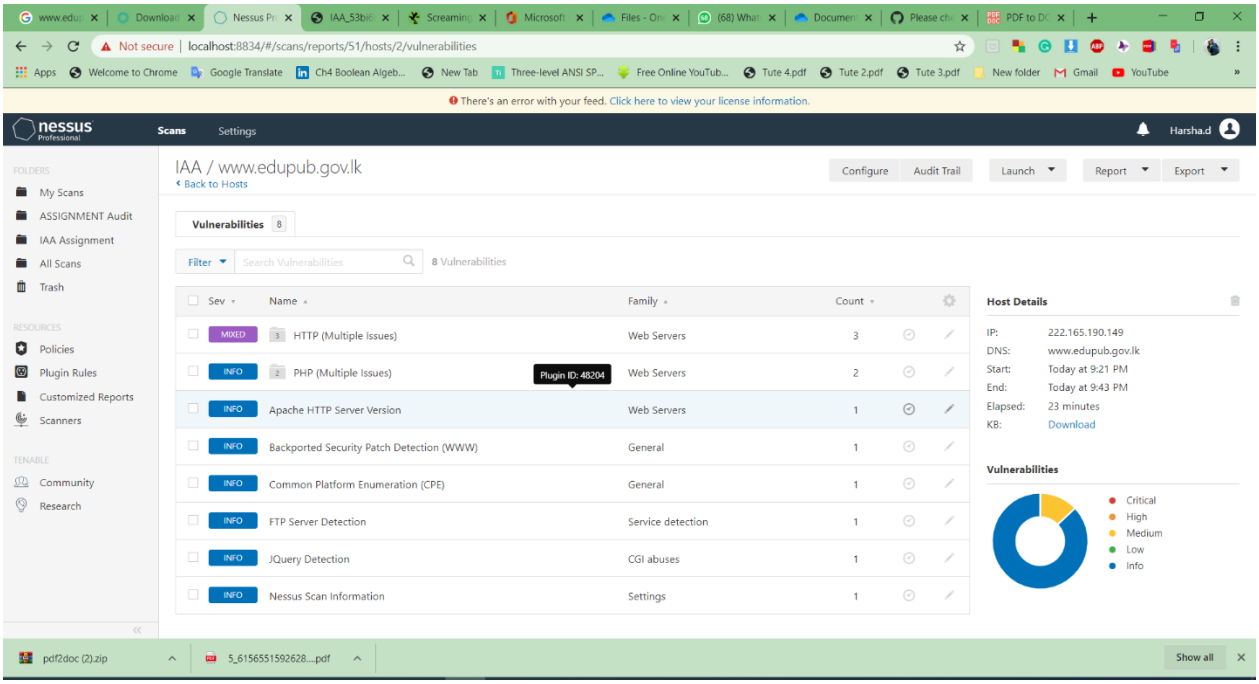


Figure 7

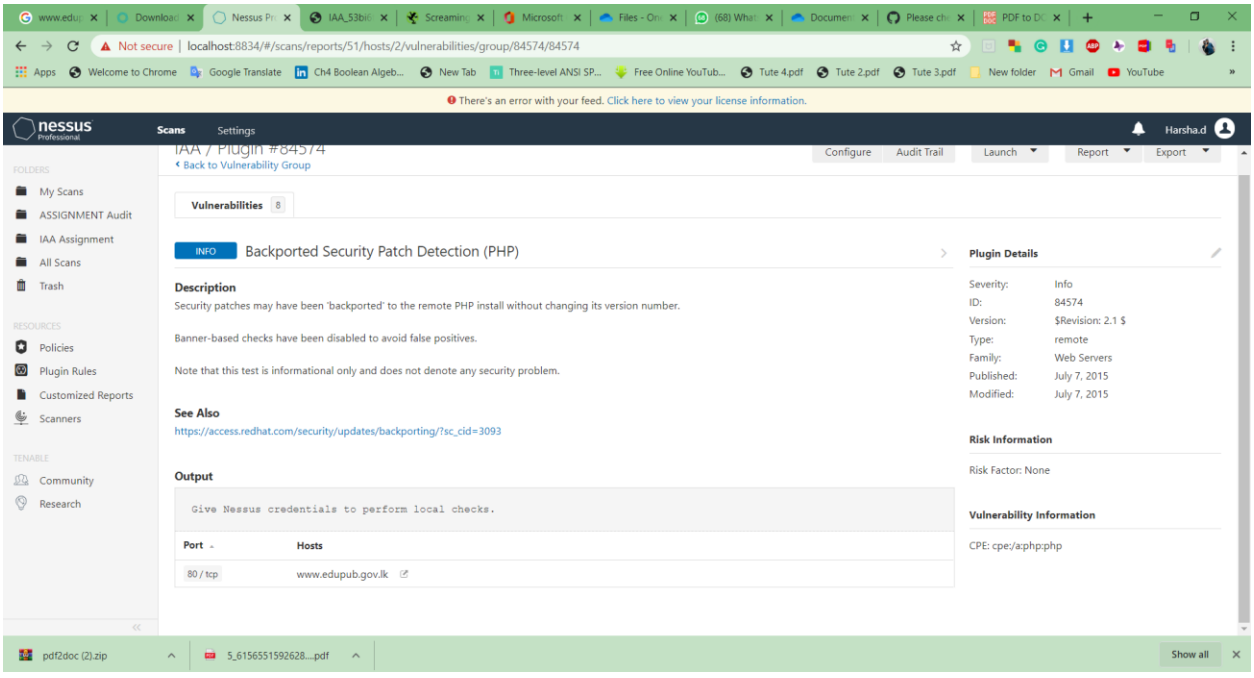


Figure 8

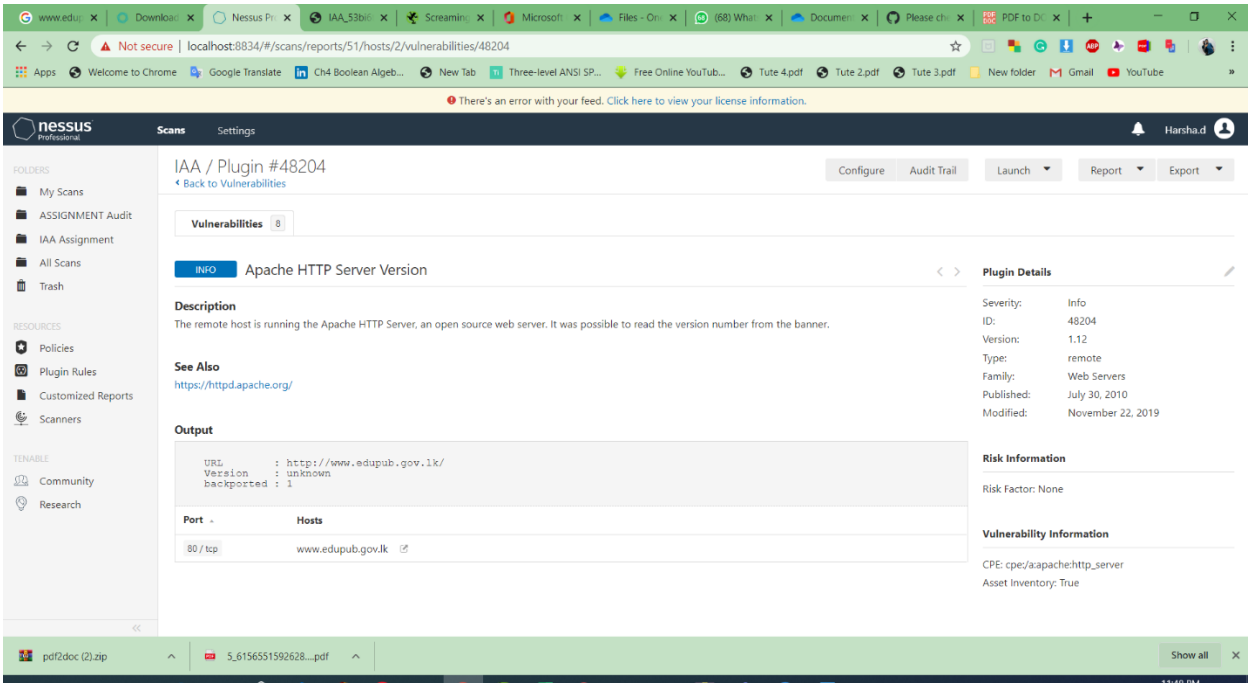
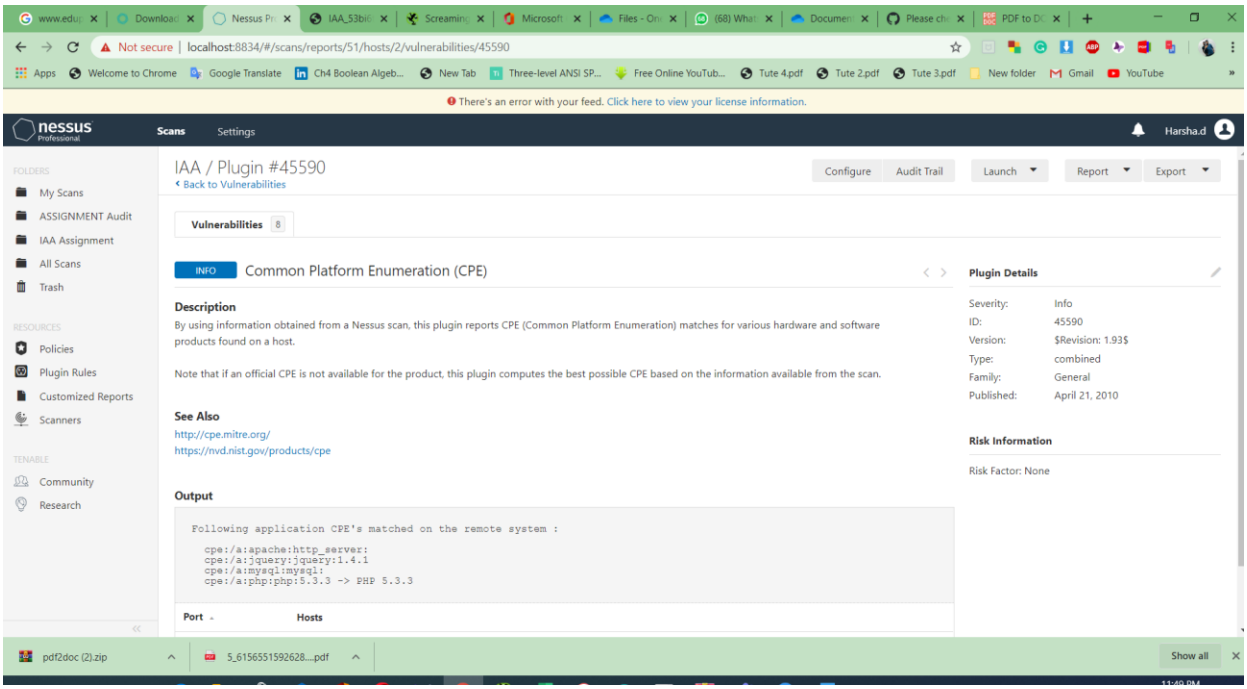


Figure 9



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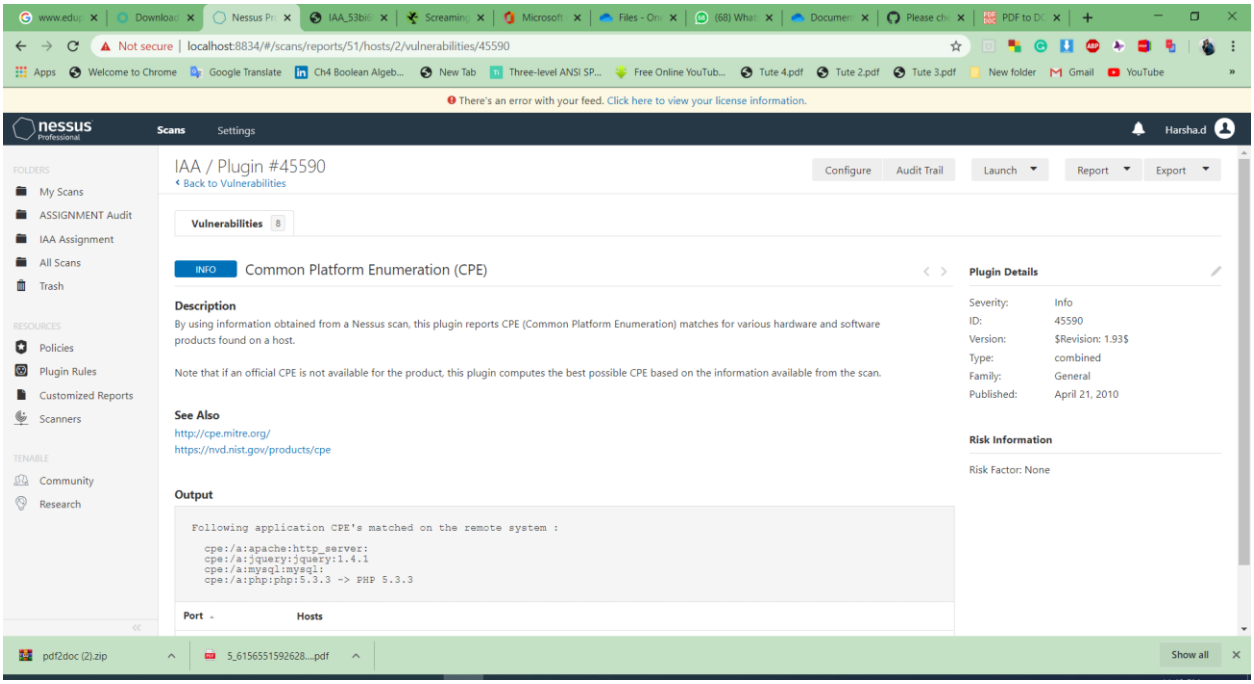
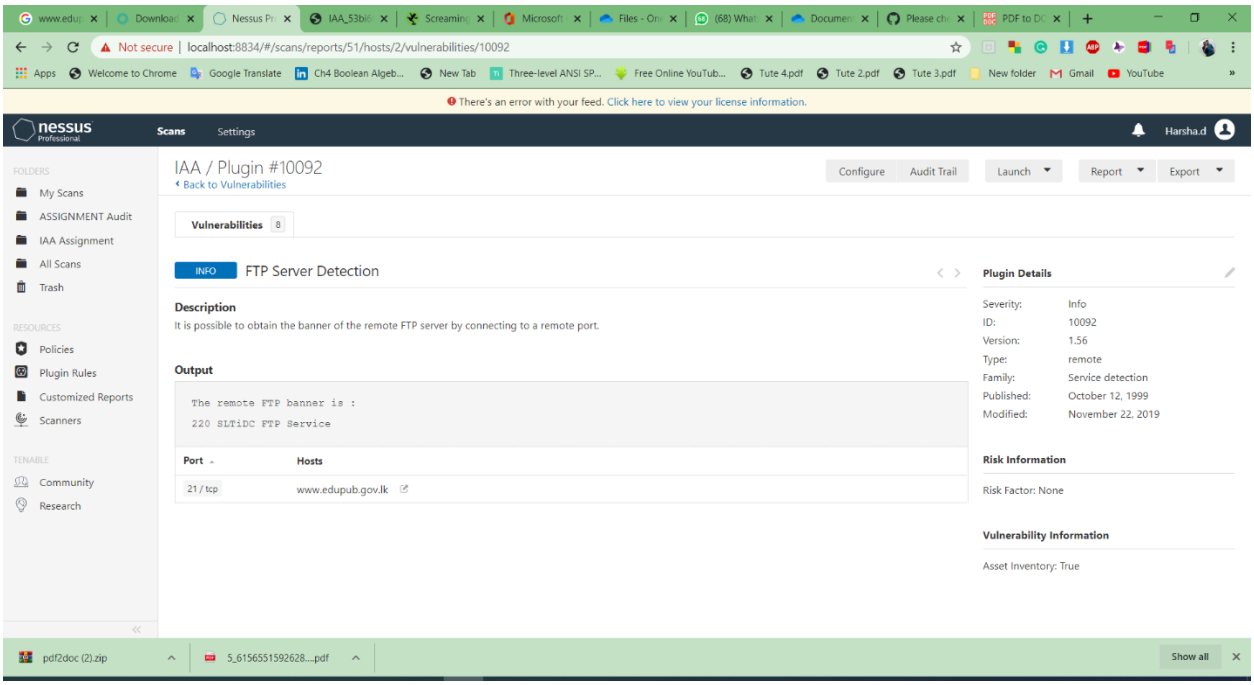


Figure 11



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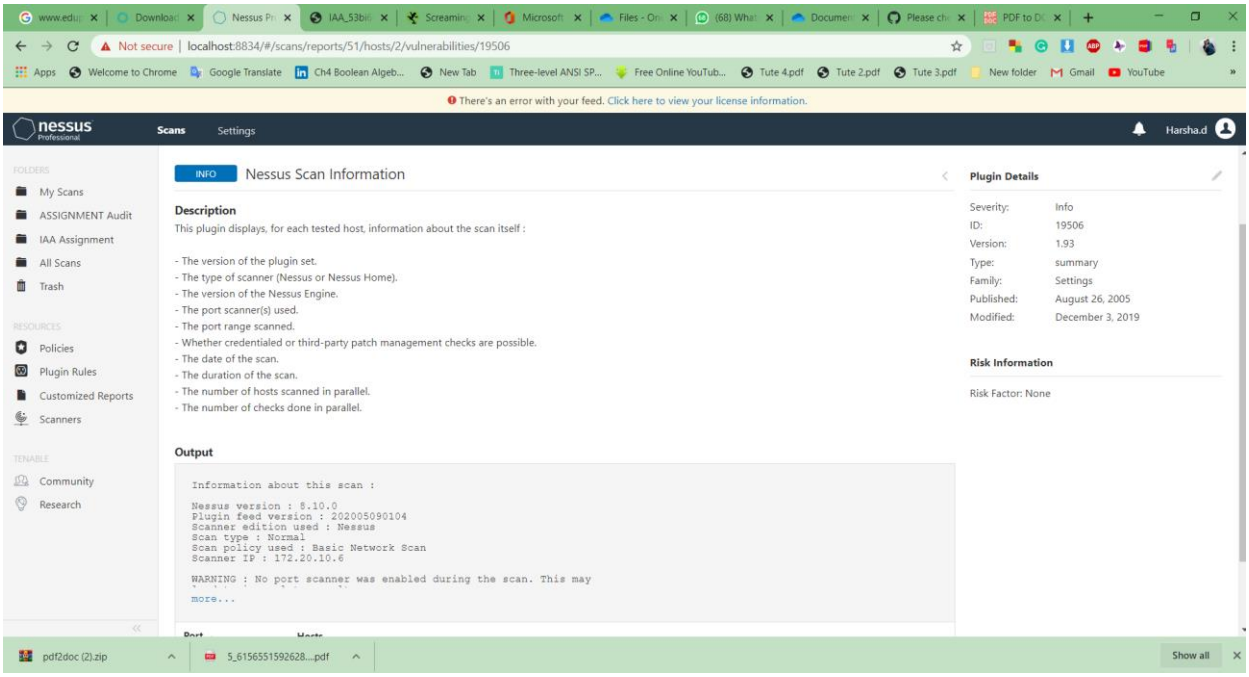


Figure 13

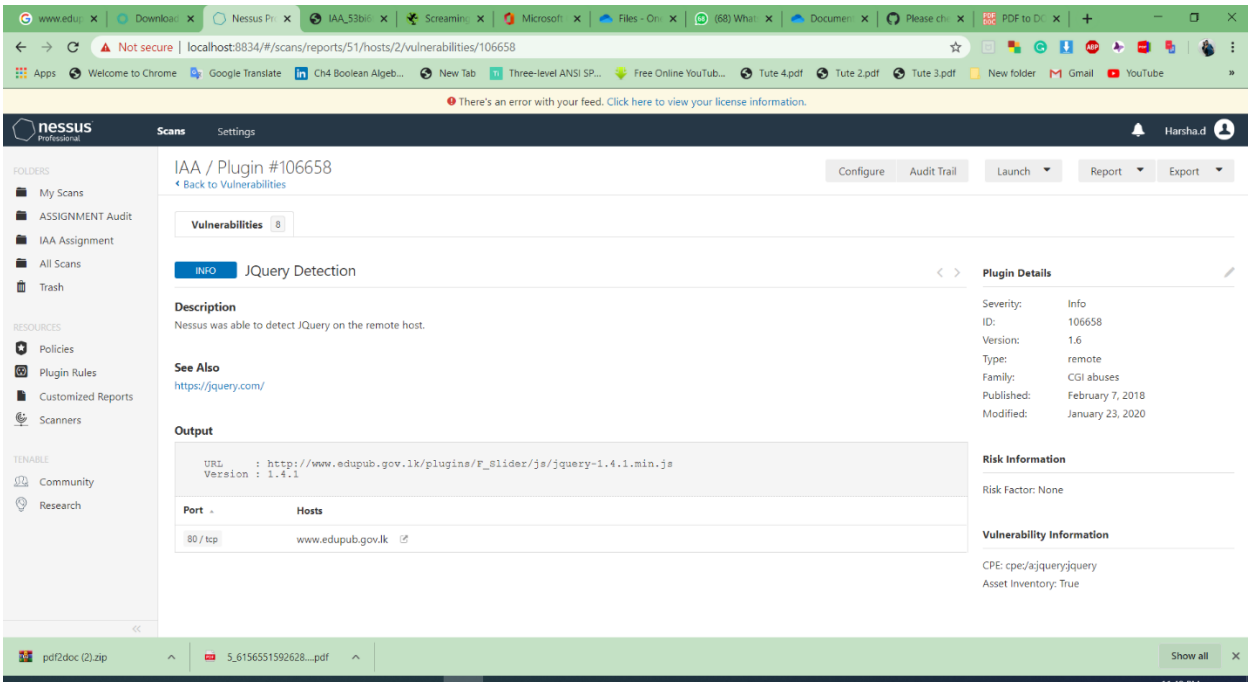
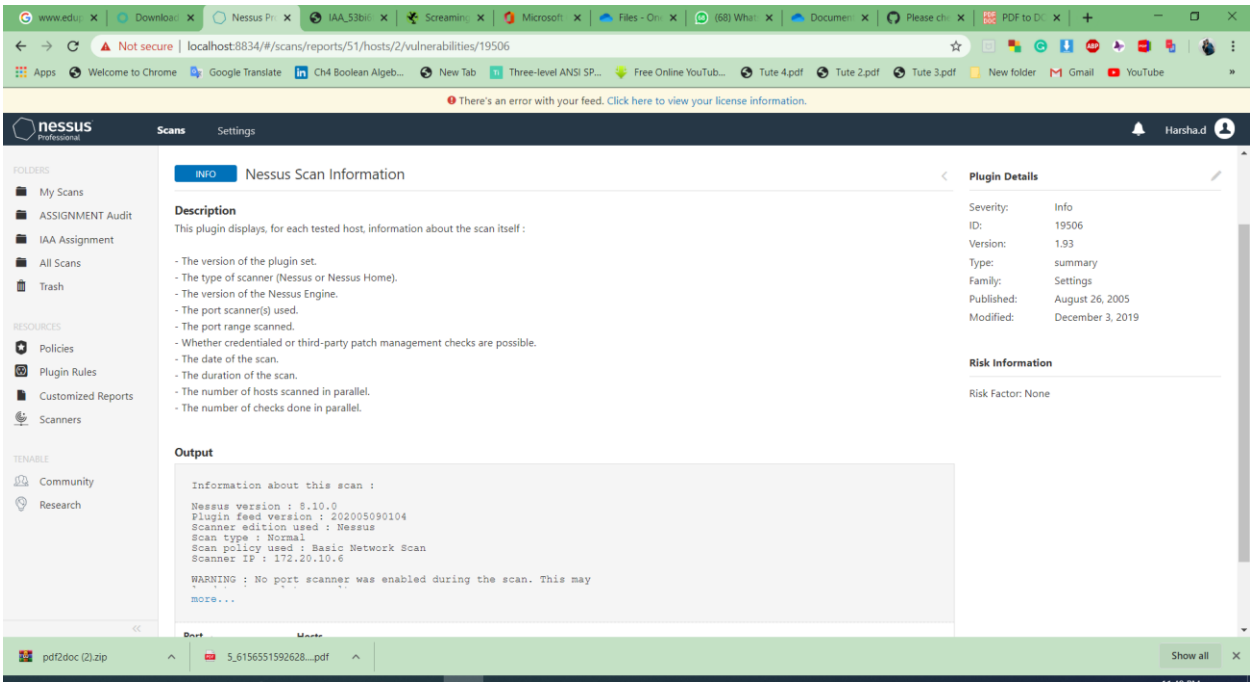


Figure 14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Scans
Settings
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My Scans
ASSIGNMENT Audit
IAA Assignment
All Scans
Trash
RESOURCES
Policies
Plugin Rules
Customized Reports
Scanners
TENABLE
Community
Research
INFO
Nessus Scan Information
Description
This plugin displays, for each tested host, information about the scan itself :
- The version of the plugin set.
- The type of scanner (Nessus or Nessus Home).
- The version of the Nessus Engine.
- The port scanner(s) used.
- The port range scanned.
- Whether credentialed or third-party patch management checks are possible.
- The date of the scan.
- The duration of the scan.
- The number of hosts scanned in parallel.
- The number of checks done in parallel.
Output
Information about this scan :
Nessus version : 8.10.0
Plugin feed version : 202005090104
Scanner edition used : Nessus
Scan type : Normal
Scan policy used : Basic Network Scan
Scanner IP : 172.20.10.6
WARNING : No port scanner was enabled during the scan. This may
more...
Plugin Details
Severity: Info
ID: 19506
Version: 1.93
Type: summary
Family: Settings
Published: August 26, 2005
Modified: December 3, 2019
Risk Information
Risk Factor: None
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Figure 15

Final Report

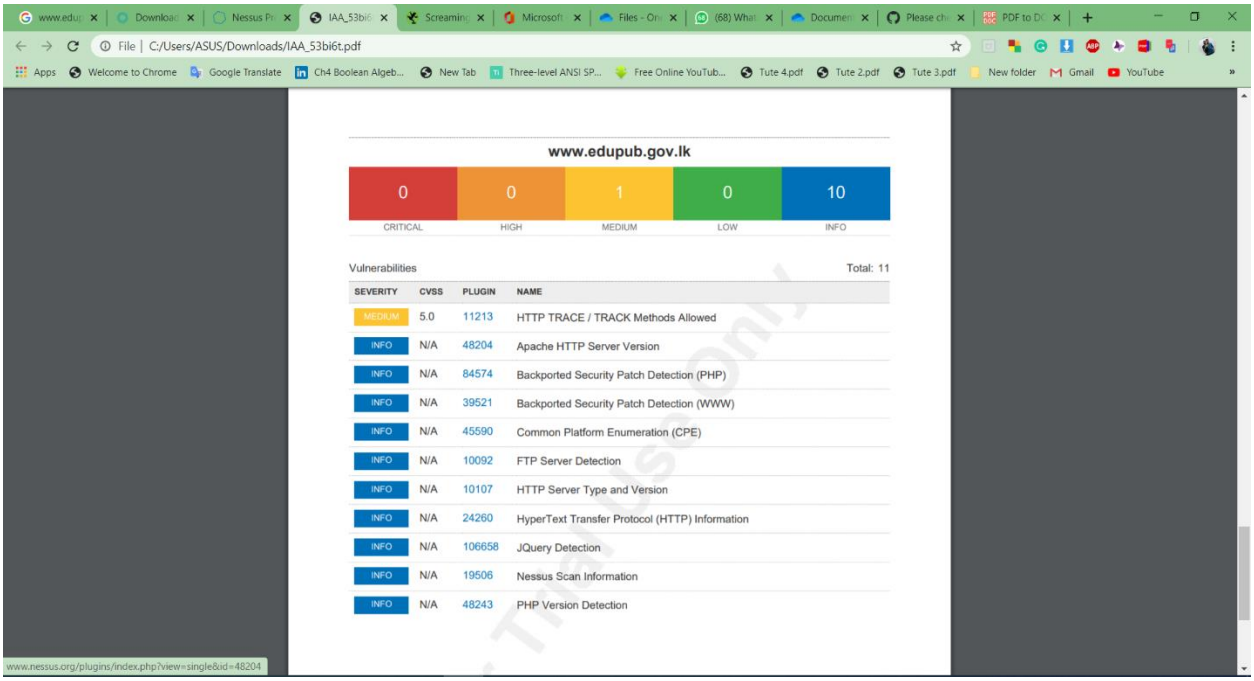

Figure 16

Screamingfrog SEO Auditing

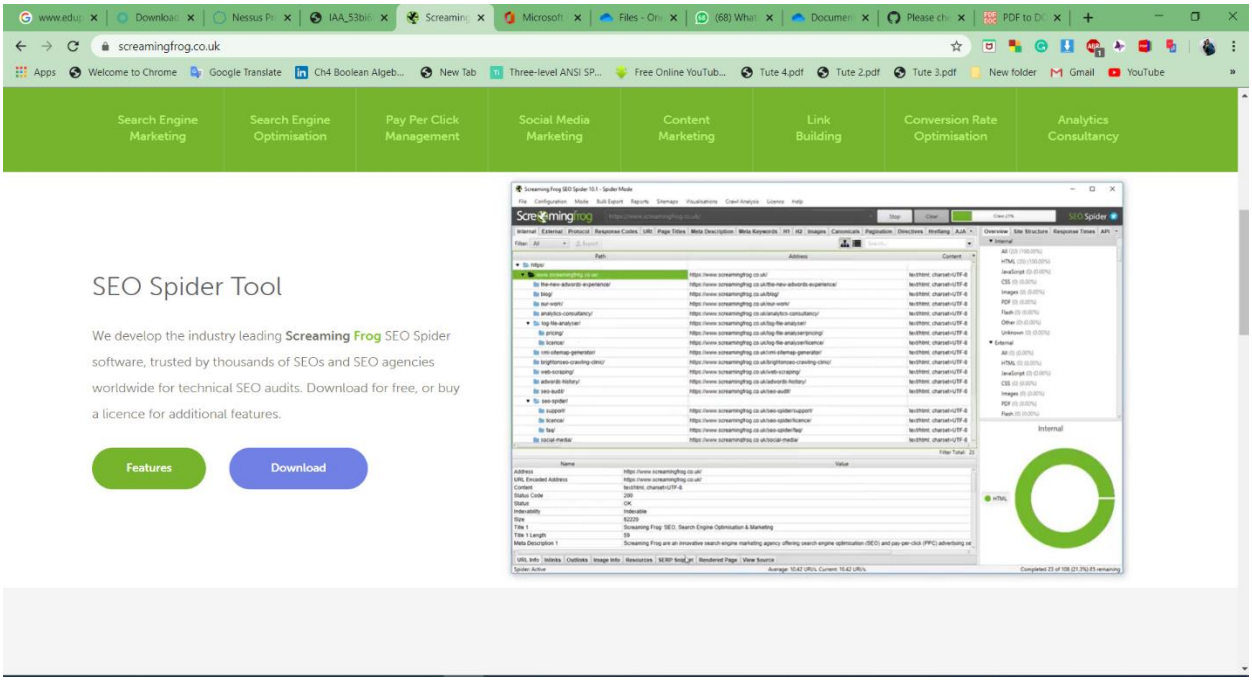

Figure 17

Scaning Report

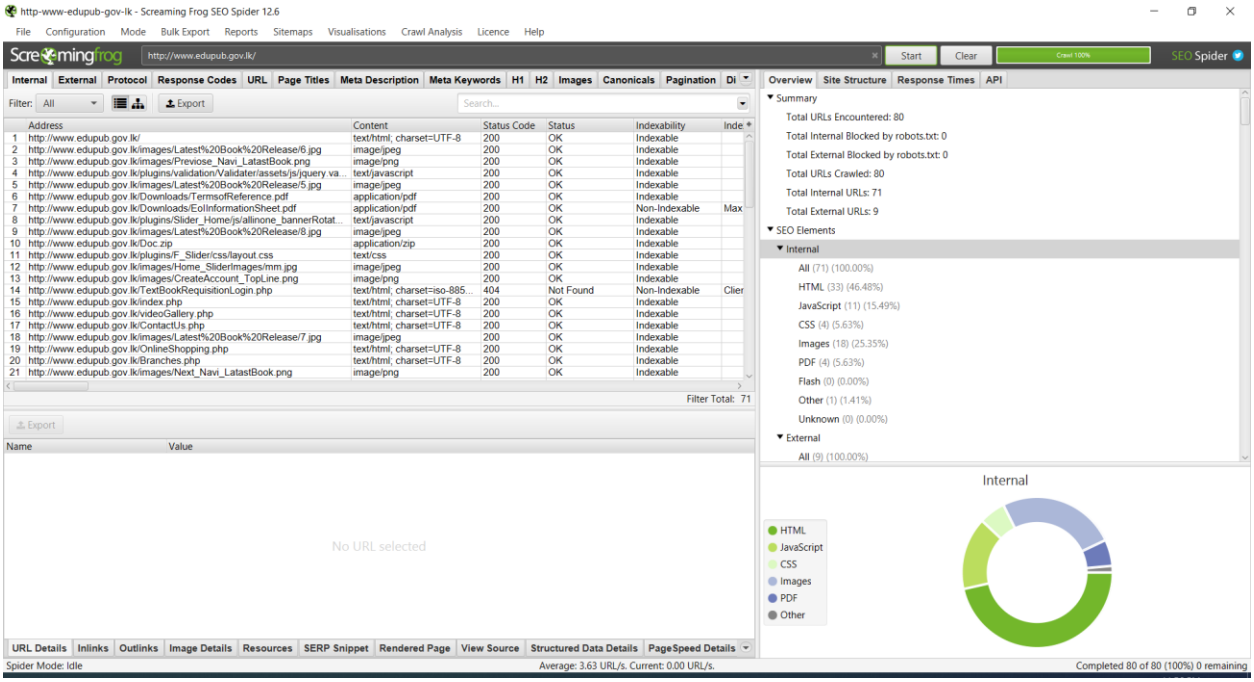

Figure 18

Reference

Tenable.com. 2020. *Download Nessus Vulnerability Assessment* | *Tenable*®. [online] Available at:

<https://www.tenable.com/products/nessus> [Accessed 3 May 2020].

https://www.screamingfrog.co.uk/[Accessed 3 May 2020].

www.edupub.gov.lk Accessed 3 May 2020].