**ICT287 Computer Security**

**Project Topic Proposal**

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CVE Number/Name: CVE-2021-44790

**CVE Description**

This vulnerability exploits the lua module within the Apache application. For Apache HTTP Server 2.4.51 and earlier, they are open to a buffer overflow attack, through using a crafted request to the lua module, and through this, attackers are able to gain unauthorised access to the target’s web server application.

The Apache Web Server is an open-source HTTP server which provides a secure, efficient and extensible server that provides HTTP services in sync with the current HTTP standards. Within the Apache application, there are many modules available to increase the functionality of the web server, one of which is the Apache Module mod\_lua, which allows the server to be extended with scripts written in the Lua programming language.

**Exploitation Description**

The mod\_lua is installed by default for the Apache application. For versions 2.4.51 and earlier, there exists a vulnerability where buffer overflow would occur when a crafted request is sent to the mod\_lua multipart parser. An exploitation script is made available by Sunil Iyengar in the Exploit Database Website, link in reference.

**References**

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