

## **FileTester Extension**

### **Introduction:**

This extension allows a user to scan a file that is being downloaded for certain file-specific characteristics and identify the files that deviate from these characteristics. When the user activates the extension, ZAP will get the responses and start scanning certain file types that are being downloaded. The FileTester extension has been created to work on 4 file types, jpeg, png, zip and exe.

### **The User Interface:**

On opening ZAP, the user can find our extension **Extension FileTester** on the main toolbar. Clicking on it displays a sub-menu through which the user can interact with the extension.

The Extension FileTester submenu has three buttons, **Activate/Deactivate extension, Help, Get Report of Scans**.

- **Activate/Deactivate extension** - Clicking on this button activates and deactivates the extension. The user is greeted with a pop up everytime they press this button, informing them about the activation status of the extension.
- **Help** - Clicking on this button makes a small dialog box pop up, which helps the user to get started with the extension and also has a pathname to this main documentation file.
- **Get Report of Scans** - Clicking on this button would create a report file on all the scans that has been done prior to clicking this button. The report file is saved in the main zaproxy directory, so the user can open this file with a simple text editor and see the scan results.

## ***What happens when an interesting file is found?***

Once the user has activated the extension, ZAP will constantly check the responses and will process the files (JPEG, PNG, ZIP and EXE). If ZAP finds an interesting file, i.e a file that deviates from its specific characteristics, an alert box would pop up, informing the user that the downloaded file is suspicious.

