



Google Summer of Code 2016

With OWASP Foundation

Final Submission Report

[OWASP OWTF - Health Monitor](#)

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OWASP OWTF is a great tool which automates the manual and non-creative work of penetration testing. It combines all required tools and features but lacked the **monitor module** which can constantly check its status and its effects on the system.

In this project I have implemented *monitoring module*, which will be constantly reviewing *system resources* and **OWTF status**. *Health monitor* is completely detached from **OWTF** and interacts using the ReST API of the **OWTF**. It ensures method to overcome the situation and alert to the user when threshold value is reached. It takes necessary decisions based on the configurations set by the user/default. It has a *console* and *web UI* to monitor and configure the module.

The monitor is written in go lang, godoc for which can be seen [here](#).

I have almost completed the proposed work. The following modules have been implemented:

- Internet connectivity
- Disk & Inode monitor
- OWTF Targets monitor
- RAM monitor
- CPU monitor
- WEB UI
- Console
- Notification

The tasks left to do:

- Tool crash detection module

Work done by me during the GSOC - 2016 period can be viewed here:

https://github.com/owtf/health_monitor/commits?author=DarkKnight24