



3. , MongoDB , mail URL .

 $\label{lem:container} \mbox{Dangerzone Open source HWP } \mbox{ docker container Naver Cloud Ubuntu} \\ \mbox{server } 18.04 \mbox{ LTS } \mbox{. CDR } \mbox{ VirusTotal API } \mbox{.}$

MongoDB .

EasyList URL Chrome Extension API $\,$ VirusTotal API Chrome Extension API $\,$ URL $\,$.

Python pyhwp wkhtmltopdf HWP PDF . Chrome extension API VirusTotal API URL , Chrome extension . .