

專業主題

Maintain and manage the quality of intranet through the web filter

內容摘要

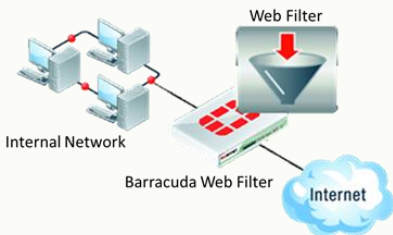


Fig. 1. Working Principle

- By the popularization of the internet, there are more and more aggressive viruses are spread, user need to protect their device from attack.
- The Web Filter server is used for monitoring the **web trend**.
- It prevents internal network computers from the spread viruses by identifying and blocking the access to sites which is known to

實習成果

- The performance statistic provides an overview of the health and performance of the web filter. It includes:
 - Filtering statistics
 - CPU temperature and system load.
 - Number of requests blocked
 - Number of requests received
 - Number of kilobytes per second used by the requests allowed

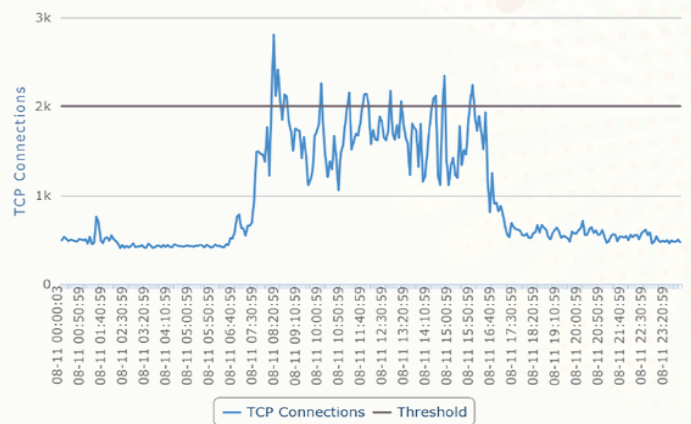


Fig. 3. Flow Diagram

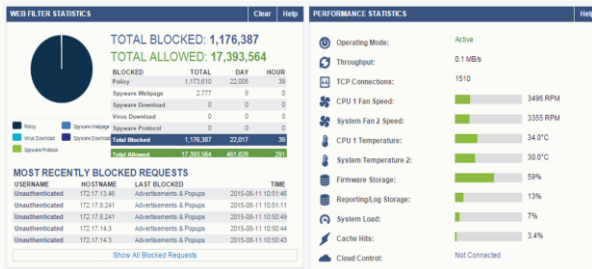


Fig. 2. Performance Statistics

- Regular checking can prevent the network virus, advertisements, and homepage kidnapped.
- Through the usage report, I'll check the **network traffic** and check if there's some unusual flow.
- The flow diagram also can let the network administrator avoiding the rush hour if he need to make the network maintenance.

- Checking the blocking result by opening the **traffic log**, it shows every action at every moment.
- The result contains users IP, action, the website which was visited, and the blocking reason.
- We expect to block **all advertisement** and **popup websites or applications**. We're still working on finding a way to improve this part.

Date	User IP	Action	Destination	Detail	Reason
2015-08-13 08:11:30	172.17.13.20	Allowed	http://ts.eset.com/query/chsquery.php	Computing & Technology	
2015-08-13 08:11:30	172.17.14.222	Blocked	http://whos.amung.us/widget/aowtx40v/bd1a8..	Advertisements & Popups	Content Filter
2015-08-13 08:11:30	172.17.14.222	Allowed	http://s.pixfs.net/visitor.pixplug.in/hec/klogin.mi..	Business	
2015-08-13 08:11:30	172.17.13.5	Monitored	http://m.addthis.com/live/red_lojson/300lo.json?..	Social Networking	Content Filtered
2015-08-13 08:11:30	172.17.14.222	Allowed	http://s.pixfs.net/blog/images/c/hoc/set-to-top.gr	Business	

Fig. 4. Traffic Log Page