

Security Incidents and Education

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History of Security Gadgets in Kyushu Univ. and Incidents(since 2000~)

- IDS (Intrusion Detection System)
- P2P finder
- IDS + Syslog analyze Out Source
- Firewall (IPS, Intrusion Prevention System), Paloalto
- APT check (Trial)
- Paloalto + Wildfire



- Bot
- Copyright Problem
 - Winny
 - BitTorrent
 - 迅雷 (Xunlei, Thunder)
 - HTTP
- DDoS
 - DNS
 - NTP
 - SMTP
- Bot, Trojan



IDS vs Bot (2001-2010)

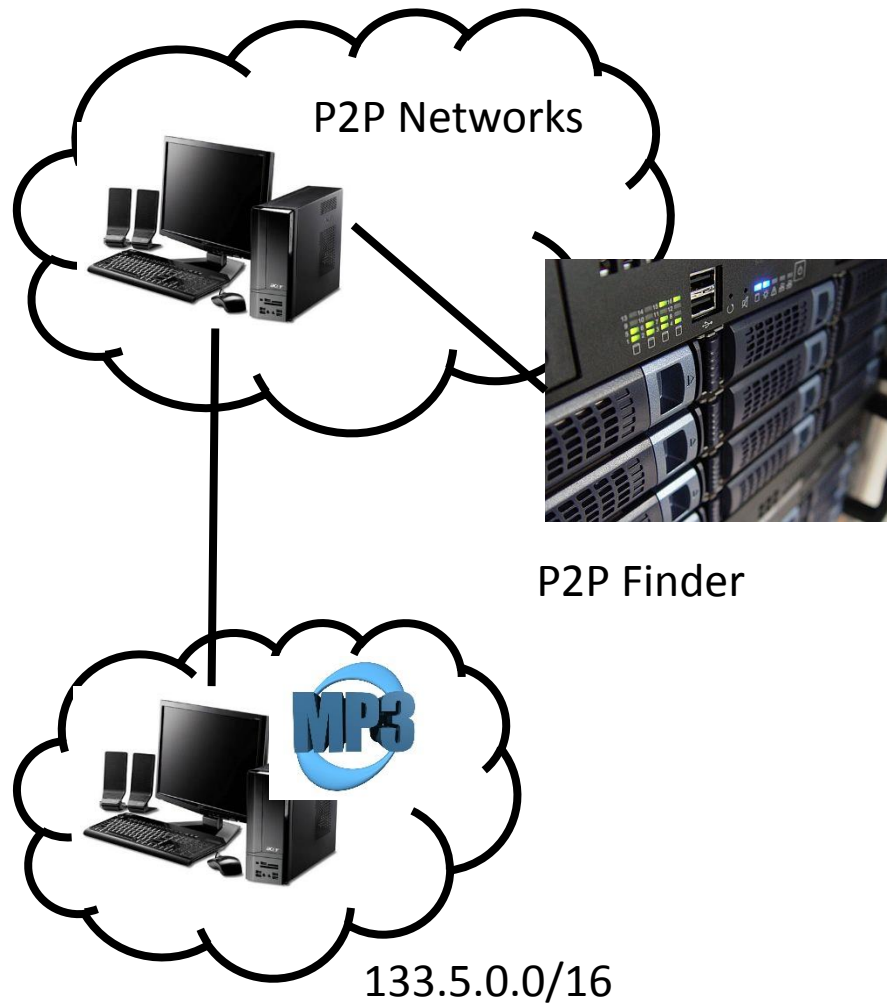


IDS

- First Gadget for Security in Kyushu Univ.
- Detect so many Dot infected PCs
- Manual analyze
 - Consume much time of Faculty
 - Can not 365days 24hours
- We have used manual IDS until IDS + Rac.

Campus Network

P2P Finder vs Copyright Issues (2005-2013)



- Copyright Problem by P2P Software
- P2P Finder can detect after P2P user download and start upload Copyright Files.
- Winny, BitTorrent...
- 迅雷 (Xunlei、Thunder) X
- P2P Finder can not detect file sharing by HTTP.

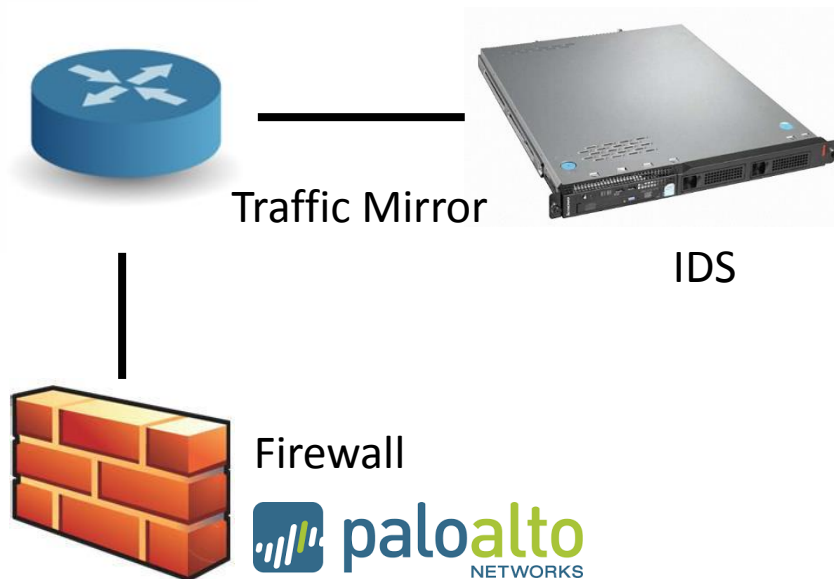
IDS + Lac (2010-)

- We start to get so much information about Incidents.
- We detect more Bot infected PCs and have removed from the Campus.
- We just detect but can not filter automatically.
 - Incidents were solved by the users.



Cisco IPS

Firewall (2013-)



- We became to be able to filter what should be filtered.
- FW filters and **we do not necessary to remove infected PCs.**
 - When we tried FireEye recently, we found so many Trojan infected PCs...



- Paloalto can filter P2P perfectly but we do not mind that students install P2P software or not.
 - 迅雷 (Xunlei、Thunder)
- We have another incidents which firewall can not work well for.
 - DDoS
 - SMTP
 - Zero Day
 - Wildfire (vs Anti-Virus Soft?)
 - APT

Just FYI.



- MeeGoPad T01
- This is first time for me to buy Windows PC from China.
- There are so many Trojan infected Files...
- Windows8.1 activetools provided by seller is also infected.
- Anti-Virus Soft installed in advance never detect Trojans inside.

Security Gadgets vs Education

- *Security Gadgets* protect *University* from incidents with keeping PC infected.
- Campus network with Firewall is bored due to much limitation but becomes safety than Home Internet.
- *Education* protects *students* from incidents.
- Campus network is like Green House. But students must live in Free Cyber Space under personal responsibility in Future over the World.

