

University of Alaska
Board of Regents, September 18-19, 2014

IT Security Update



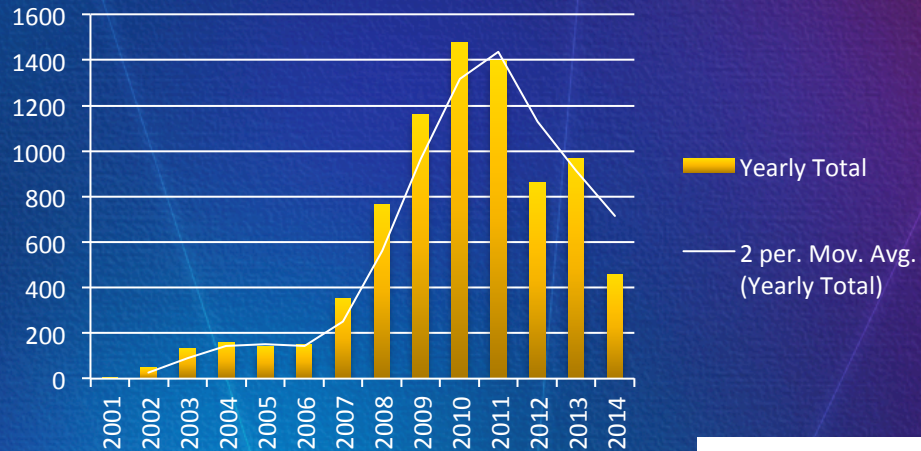
Karl Kowalski
Chief Information Technology Officer

Credential Consolidation

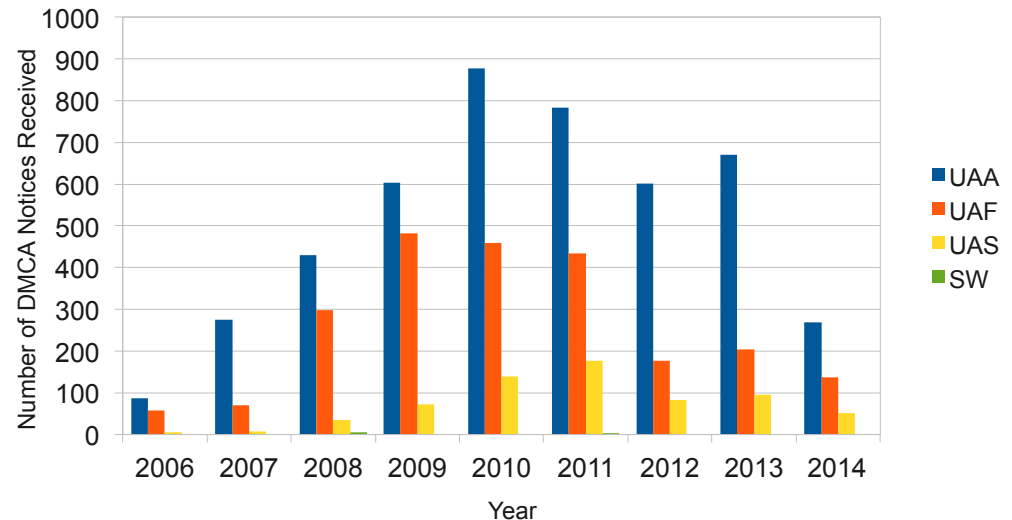
- Addition of Google Password Management through UA Easy Logon Maintenance Option (ELMO)
- General availability of UA Credentials through UA Online
- Single Sign On for Travel Expense Management

Copyright /DMCA Complaints

Copyright Complaint Totals By Year

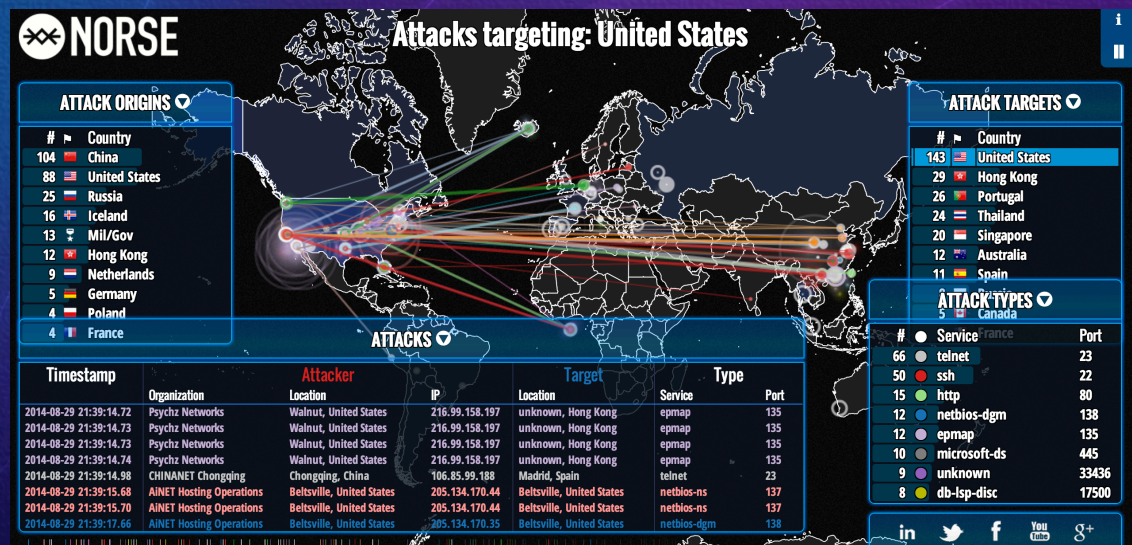


Yearly Totals by Campus



2014 IT Security Threat Trends

- Increases in DDoS attacks globally
- Legacy systems as security risk
- Android malware on the rise
- Increased phishing attempts
- BYOD
- Hacking of Everything
- Increase in State-sponsored attacks



Information Security in UA Confidential Hotline

- UA Confidential Hotline hosts IT security categories for reporting
- 2 primary investigators in OIT
- 0 reports to date
- Hotline reports will become a reported metric

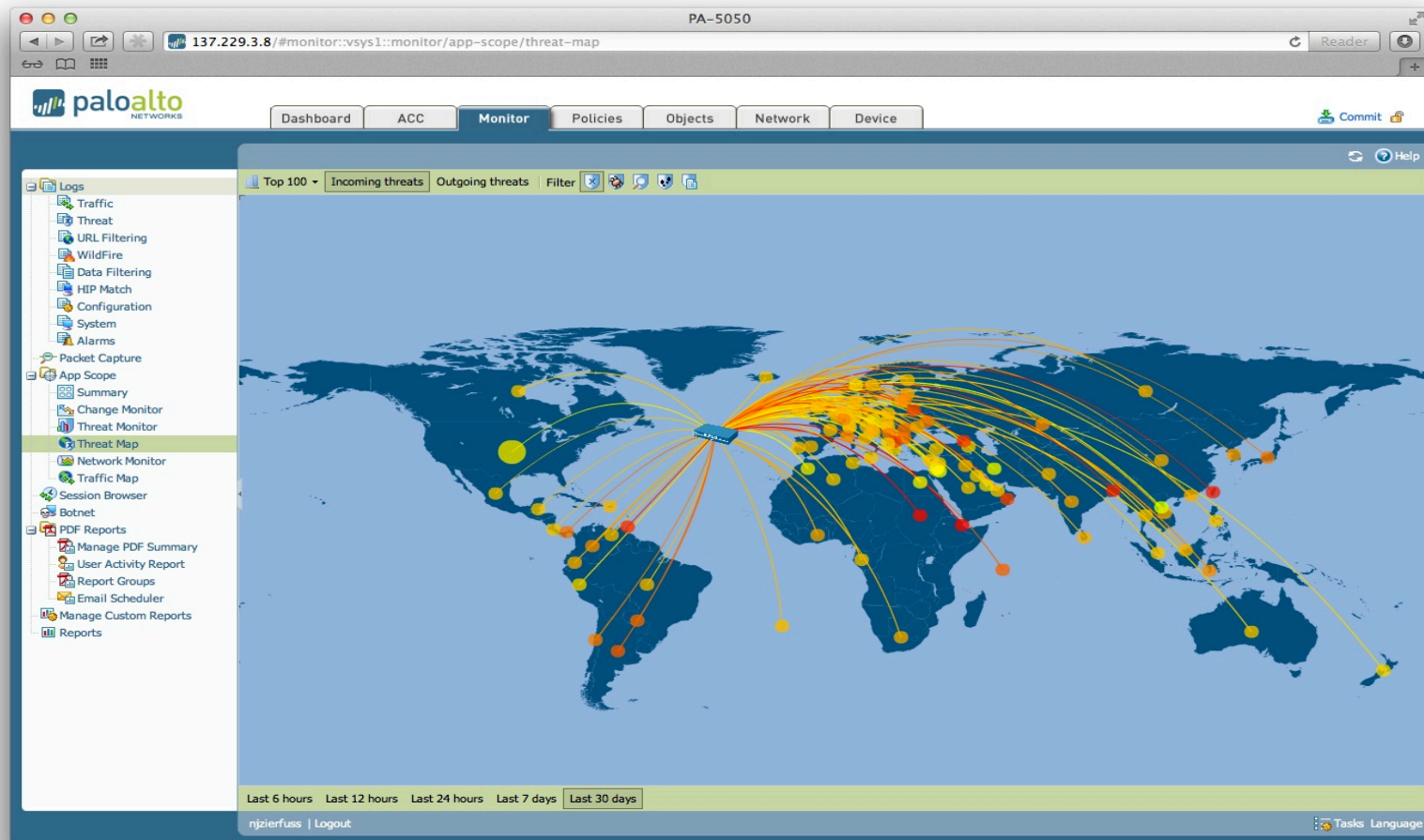
Recent Fairbanks Area Network Outages

- UA information resources were used to perpetrate SNMP amplification attacks (DDoS) against other targets on the Internet
- The traffic volume overwhelmed our firewalls resulting in network outages for the Fairbanks campus
- Larger firewalls scheduled to be placed elsewhere will be re-tasked and leveraged as a mitigation
- Investigating DDoS attack specific services

Ounce of Prevention....

- Keep your systems patched and up to date
- Standardize your web software
- Secure your browsers
- Use a strong password
- Use an effective web protection solution
- Utilize encryption whenever possible
- Both professional and personal systems
- Education and outreach

Palo Alto Security Device



Questions & Comments