Public Sector IT Leaders' Priorities

State & County CIOs	Local Gov't CIOs
1. Cybersecurity	1. Financial Transparency
2. Cloud Services	2. Mobility Apps
3. Consolidation	**3. Cybersecurity**
4. Wireless Connectivity	4. IT Staffing
5. Cost Control Items	5. BCDR
6. Talen Management	6. Broadband
7. Strategic Planning	7. Cloud Computing

May 5th, 2011: FOX

The earliest known hack attributed to the group began on May 5th, 2011 against Fox Broadcasting Company, which resulted in the breach of TV talent show *X Factor* contestants database and 73,000 applicants' personal information. On May 10th, Fox.com sales database and users' personal information was released.

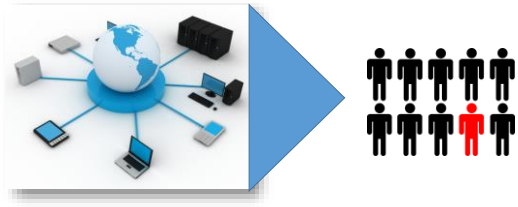
June 23rd: Arizona Department of Public Safety

On June 23rd, Lulzsec also released a new set dubbed "Chinga La Migra," a Spanish phrase meaning "fuck the border patrol," which reveals hundreds of private intelligence bulletins, personal information of police officers and confidential documents including training manuals and personal email correspondence. In the press release, the group cited the legislation of SB1070 (Support Our Law Enforcement and Safe Neighborhoods Act), a controversial anti-immigration law that was passed in the state of Arizona in April 2011, as their primary motive behind targeting the Department of Public Safety.

The documents classified as "law enforcement sensitive", "not for public distribution", and "for official use only" are primarily related to border patrol and counter-terrorism operations and describe the use of informants to infiltrate various gangs, cartels, motorcycle clubs, Nazi groups, and protest movements.

May 27th – June 6th: SONY

Between late May and early June 2011, international media company Sony's database was attacked by hackers who took thousands of users' personal data including "names, password, e-mail addresses, home addresses dates of birth." Lulzsec claimed that it used a SQL injection attack and was motivated by Sony's legal action against the original iPhone jailbreak hacker George Hotz, who revealed similar information of Sony's PlayStation 3 console in December 2010.



COJET
COJET
COJET
COJET

Mandated Cybersecurity Training Each Year

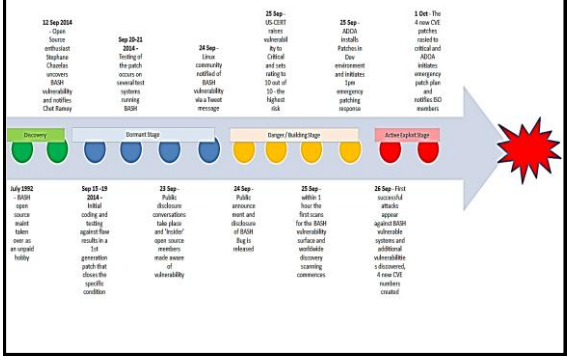
½ Hour In Addition To Ethics Requirements

WHO ARE THE BAD GUYS?

Professional Mercenary (Cyber Criminals)
Cyber Warrior (Nation States)
Principled Idealist
Malicious Insiders
Nationalist (Script Kiddies)

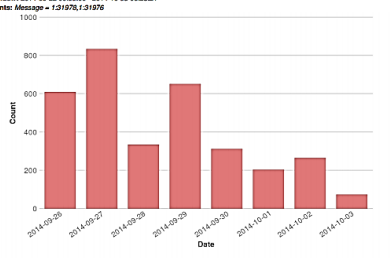
WHAT ARE THEIR TACTICS?

SQL Injection Exfiltration of data
BotNet DoS, Spam, Sniffers
Phishing Malware, steal passwords
Infected Websites Malware, ransomware
Copying Data

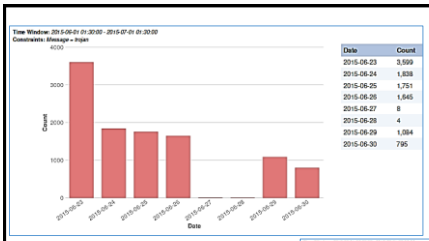


BASH Exploit Attempts

Time Window: *2014-09-22 00:00:00 - 2014-10-03 08:23:21*
Constraints: *Message = 1:31978,1:31976*

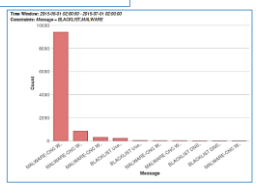


Date	Count
2014-09-26	609
2014-09-27	833
2014-09-28	334
2014-09-29	651
2014-09-30	311
2014-10-01	203
2014-10-02	264
2014-10-03	73

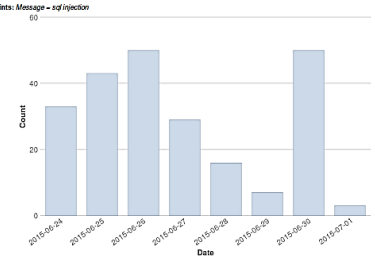


Date	Count
2015-06-23	3,599
2015-06-24	1,838
2015-06-25	1,751
2015-06-26	1,645
2015-06-27	8
2015-06-28	4
2015-06-29	1,084
2015-06-30	795

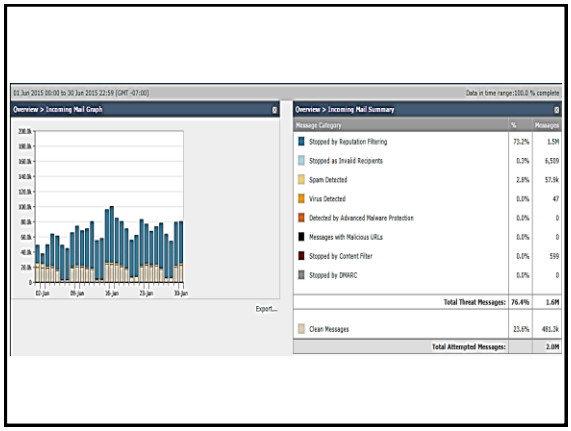
4 To 10 Million Attacks Per Month

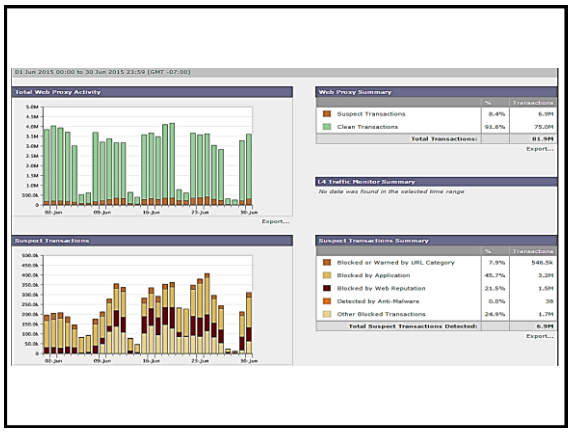


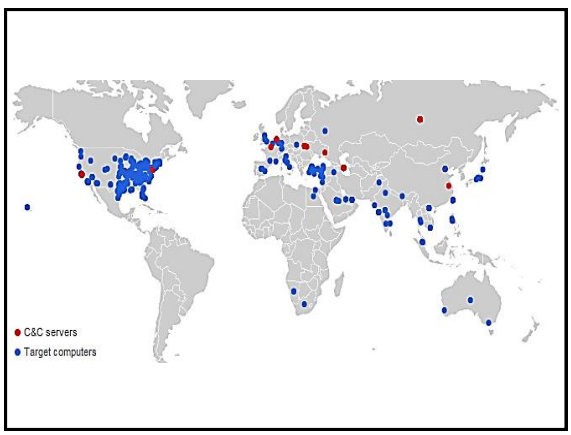
Time Window: *2015-06-01 02:30:00 - 2015-07-01 02:30:00*
Constraints: *Message = sql injection*

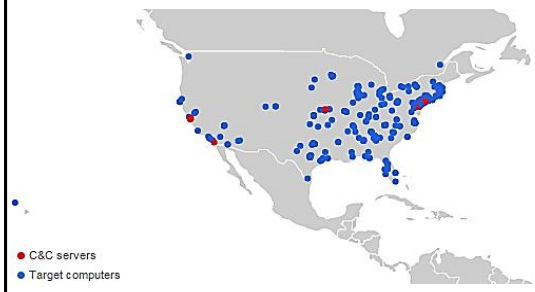


Date	Count
2015-06-24	33
2015-06-25	43
2015-06-26	50
2015-06-27	29
2015-06-28	16
2015-06-29	7
2015-06-30	50
2015-07-01	3


01 Jun 2015 00:00 to 30 Jun 2015 22:59 (GMT -07:00)
Data in time range:100.0 % complete
Overview > Incoming Mail Graph
Export...
Overview > Incoming Mail Summary
Message Category
%
Messages
Stopped by Reputation Filtering
73.2%
1.5M
Stopped as Invalid Recipients
0.3%
6,559
Spam Detected
2.8%
57.5k
Virus Detected
0.0%
47
Detected by Advanced Malware Protection
0.0%
0
Messages with Malicious URLs
0.0%
0
Stopped by Content Filter
0.0%
599
Stopped by DMARC
0.0%
0
Total Threat Messages:
76.4%
1.6M
Clean Messages
23.6%
481.3k
Total Attempted Messages:
2.0M


01 Jun 2015 00:00 to 30 Jun 2015 23:59 (GMT -07:00)
Total Web Proxy Activity
Export...
Web Proxy Summary
%
Transactions
Suspect Transactions
8.4%
6.9M
Clean Transactions
91.6%
75.0M
Total Transactions:
81.9M
Export...
C4 Traffic Monitor Summary
No data was found in the selected time range
Suspect Transactions
Suspect Transactions Summary
%
Transactions
Blocked or Warned by URL Category
7.9%
546.5k
Blocked by Application
45.7%
3.2M
Blocked by Web Reputation
21.5%
1.5M
Detected by Anti-Malware
0.0%
38
Other Blocked Transactions
24.9%
1.7M
Total Suspect Transactions Detected:
6.9M
Export...

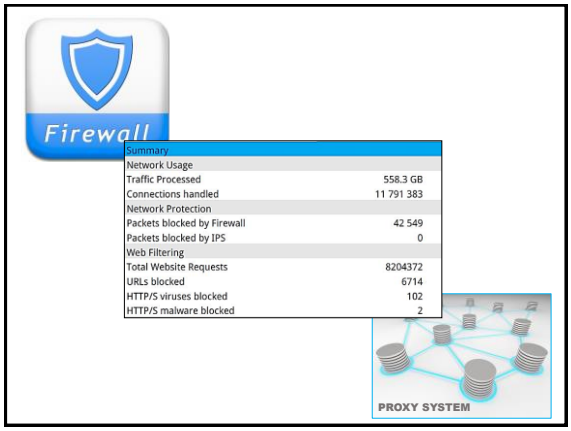

C&C servers
Target computers

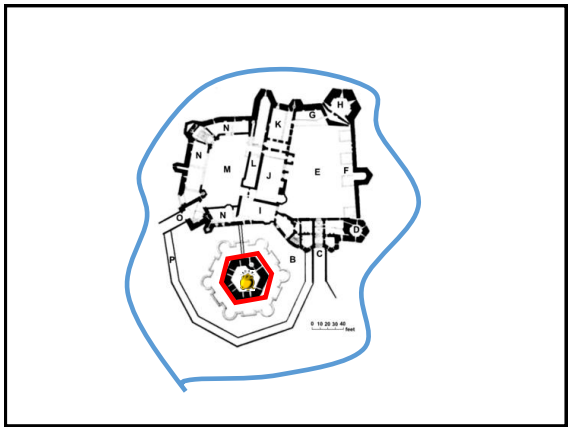


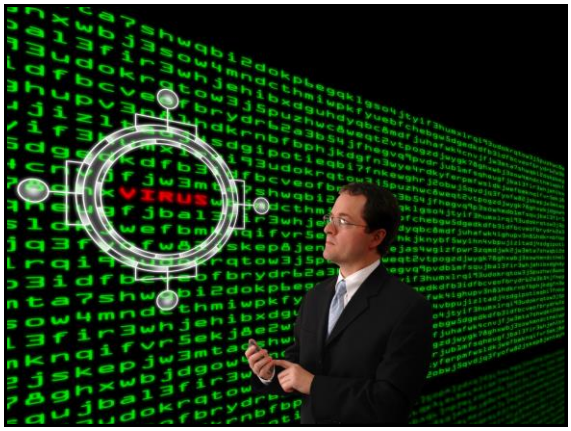
NIST CYBER SECURITY FRAMEWORK

Identify
Protect
Detect
Respond
Recover

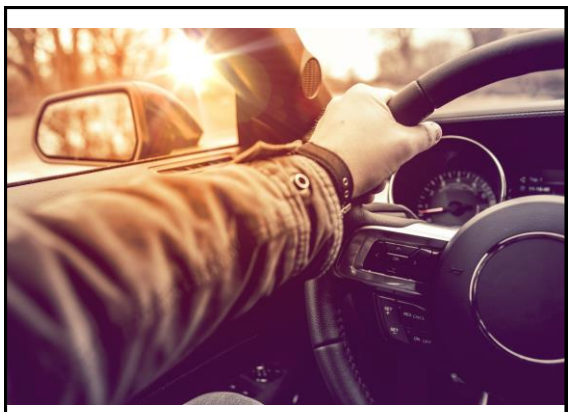
ADOA
ARIZONA DEPARTMENT OF ADMINISTRATION


Firewall
Summary
Network Usage
Traffic Processed 558.3 GB
Connections handled 11 791 383
Network Protection
Packets blocked by Firewall 42 549
Packets blocked by IPS 0
Web Filtering
Total Website Requests 8204372
URLs blocked 6714
HTTP/S viruses blocked 102
HTTP/S malware blocked 2
PROXY SYSTEM





SOCIAL
ENGINEERING



DAILY NEWS

World - Business - Finance - Lifestyle - Travel - Sport - Weather

Issue: 240104 THE WORLDS BEST SELLING NATIONAL NEWSPAPER Est - 1965

Front Edition Monday 9th June

IRS HACK SHOWS GOVERNMENT SAFEGUARDS NOT UP TO DATE!

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer tincidunt, mauris et tincidunt porttitor, lectus orci accumsan ante, et egestas tortor nibh id justo. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Integer efficitur magna et erat pulvinar vehicula. Donec viverra turpis enim, et accumsan quam sodales vel. Maecenas sit amet maximus nulla. Morbi vitae pellentesque turpis. Morbi accumsan turpis vel justo consectetur, sed efficitur leo convallis. Quisque tellus augue, iaculis et eleifend et, eleifend eget purus. Proin purus magna, aliquet non faucibus ut, accumsan quis quam. Cras venenatis magna vitae diam sollicitudin egestas. Integer ultrices, ante sed finibus tincidunt, leo dolor porta felis, at cursus odio erat id nulla. Vestibulum a cursus augue. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Phasellus tincidunt, massa ut luctus ultrices, odio libero imperdiet est, ac elementum diam sit lorem sed ante. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas.

Ut lacinia quam sit amet turpis lobortis ullamcorper. Pellentesque aliquet leo et sapien venenatis varius. Fusce condimentum orci non metus fermentum, in sodales sem molestie. Interdum et malesuada fames ac ante ipsum primis in faucibus. Fusce tincidunt posuere velit vel finibus. Sed faucibus egestas pharetra. Sed mollis in mi sed mattis. Morbi elit metus, aliquet non fringilla nec, scelerisque sit amet augue. Phasellus pulvinar sagittis metus sed laoreet. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec et mi nibh. Cras maximus cursus lectus eu luctus. Morbi faucibus mi non mauris condimentum, et fringilla sem luctus. Proin eu tempor neque. Aliquam sit amet mauris sit amet ipsum commodo ornare non quis mi. Vivamus dignissim libero eu orci porttitor

DAILY NEWS

World - Business - Finance - Lifestyle - Travel - Sport - Weather

Issue: 240104 THE WORLDS BEST SELLING NATIONAL NEWSPAPER Est - 1965

Front Edition Monday 9th June

APPLE iPHONES AND iPADS VULNERABLE TO FAKE APP ATTACK!

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer tincidunt, mauris et tincidunt porttitor, lectus orci accumsan ante, et egestas tortor nibh id justo. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Integer efficitur magna et erat pulvinar vehicula. Donec viverra turpis enim, et accumsan quam sodales vel. Maecenas sit amet maximus nulla. Morbi vitae pellentesque turpis. Morbi accumsan turpis vel justo consectetur, sed efficitur leo convallis. Quisque tellus augue, iaculis et eleifend et, eleifend eget purus. Proin purus magna, aliquet non faucibus ut, accumsan quis quam. Cras venenatis magna vitae diam sollicitudin egestas. Integer ultrices, ante sed finibus tincidunt, leo dolor porta felis, at cursus odio erat id nulla. Vestibulum a cursus augue. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Phasellus tincidunt, massa ut luctus ultrices, odio libero imperdiet est, ac elementum diam sit lorem sed ante. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas.

Ut lacinia quam sit amet turpis lobortis ullamcorper. Pellentesque aliquet leo et sapien venenatis varius. Fusce condimentum orci non metus fermentum, in sodales sem molestie. Interdum et malesuada fames ac ante ipsum primis in faucibus. Fusce tincidunt posuere velit vel finibus. Sed faucibus egestas pharetra. Sed mollis in mi sed mattis. Morbi elit metus, aliquet non fringilla nec, scelerisque sit amet augue. Phasellus pulvinar sagittis metus sed laoreet. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec et mi nibh. Cras maximus cursus lectus eu luctus. Morbi faucibus mi non mauris condimentum, et fringilla sem luctus. Proin eu tempor neque. Aliquam sit amet mauris sit amet ipsum commodo ornare non quis mi. Vivamus dignissim libero eu orci porttitor


DAILY NEWS

World - Business - Finance - Lifestyle - Travel - Sport - Weather

Issue: 240104 THE WORLDS BEST SELLING NATIONAL NEWSPAPER Est - 1965

First Edition Monday 5th June

CHINESE HACKERS OBTAIN DATA ON 4 MILLION FEDERAL WORKERS

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer tincidunt, mauris et tincidunt porttitor, lectus orci accumsan ante, et egestas tortor nibh id justo. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Integer efficitur magna et erat pulvinar vehicula. Donec viverra turpis enim, et accumsan quam odio libero imperdiet est, ac elementum diam sit amet, consectetur adipiscing elit. Donec et nisi nibh. Cras maximus cursus lectus eu sodales vel. Maecenas sit amet maximus nulla. Morbi vitae pellentesque turpis. Morbi accumsan turpis vel justo consectetur, sed efficitur leo convallis.

Quisque tellus augue, iaculis et eleifend et, eleifend eget purus. Proin purus magna, aliquet non faucibus ut, accumsan quis quam. Cras venenatis magna vitae diam sollicitudin egestas. Integer ultrices, ante sed finibus tincidunt, leo dolor porta felis, at cursus odio erat id nulla. Vestibulum a cursus augue. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Phasellus tincidunt, massa ut luctus ultrices, libero imperdiet est, ac elementum diam sit amet, consectetur adipiscing elit. Donec et lorem sed ante. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas.

Ut lacinia quam sit amet turpis lobortis ullamcorper. Pellentesque aliquet leo et sapien venenatis varius. Fusce condimentum orci non metus fermentum, in sodales sem molestie. Interdum et malesuada fames ac ante ipsum primis in faucibus. Fusce tincidunt posuere velit vel finibus. Sed faucibus egestas pharetra. Sed mollis in mi sed mattis. Morbi elit metus, aliquet non fringilla nec, scelerisque sit amet augue. Phasellus pulvinar sagittis metus sed laoreet. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec et nisi nibh. Cras maximus cursus lectus eu.

Morbi faucibus mi non mauris condimentum, et fringilla sem luctus. Proin eu tempor neque. Aliquam sit amet mauris sit amet ipsum commodo ornare non quis mi. Vivamus dignissim libero eu orci porttitor


DAILY NEWS

World - Business - Finance - Lifestyle - Travel - Sport - Weather

Issue: 240104 THE WORLDS BEST SELLING NATIONAL NEWSPAPER Est - 1965

First Edition Monday 5th June

HACKERS BRIEFLY DEFACE IDAHO SUPREME COURT WEBSITE

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer tincidunt, mauris et tincidunt porttitor, lectus orci accumsan ante, et egestas tortor nibh id justo. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Integer efficitur magna et erat pulvinar vehicula. Donec viverra turpis enim, et accumsan quam odio libero imperdiet est, ac elementum diam sit amet, consectetur adipiscing elit. Donec et lorem sed ante. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas.

Ut lacinia quam sit amet turpis lobortis ullamcorper. Pellentesque aliquet leo et sapien venenatis varius. Fusce condimentum orci non metus fermentum, in sodales sem molestie. Interdum et malesuada fames ac ante ipsum primis in faucibus. Fusce tincidunt posuere velit vel finibus. Sed faucibus egestas pharetra. Sed mollis in mi sed mattis. Morbi elit metus, aliquet non fringilla nec, scelerisque sit amet augue. Phasellus pulvinar sagittis metus sed laoreet. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec et nisi nibh. Cras maximus cursus lectus eu.

Morbi faucibus mi non mauris condimentum, et fringilla sem luctus. Proin eu tempor neque. Aliquam sit amet mauris sit amet ipsum commodo ornare non quis mi. Vivamus dignissim libero eu orci porttitor

ransomware

Don't open attachments or follow links in e-mails from people or organizations you don't recognize.

Beware of strange e-mails even from people you do know.

Only visit websites you have a business reason to access.

Install the latest anti-virus and/or anti-malware applications and verify they are pulling updates

Scan your devices at least weekly.

Participate in "Tues-stay Safe" at work.

Don't ignore the browser's or anti-virus software's warning about a potentially harmful site.