

WELCOME SECURITY LIAISONS

November 8, 2012

Agenda



- Welcome
- Role of the Security Liaison
- Changes in University Security Philosophy
- University Policies: A Review
- Current Threats
- Raising Awareness: Resources

ROLE OF SECURITY LIAISONS

November 8th, 2012

Dr. Joy Hughes

Role of Security Liaison

- Communicates about desired, proposed, and approved policies:
 - ITSO to/from SL, to/from Business Unit
 - SL to/from ITSO, repeat as needed, then...
 - ITSO to the University
- Point of contact for security incidents in the Business Unit
- Advocates for training, support, tools, etc. from the ITSO
- Advocates within the Business Unit for risk assessments, remediation, and compliance

CIO's Update

Changes in University Security Philosophy

The Old Model



- Heavy on policies
- Weak on enforcement
- Over emphasis on voluntary participation and compliance

The New Model



- Servers move to the data center
- Sys Admins who manage applications receive training/certification
- ITU uses technology tools to identify infractions and enforce security

Rationale to Change Models



- 3rd party and internal audit assessments
- Greater commitment to reliability of service, sustainability of operations, and reputation

UNIVERSITY POLICIES

November 8th, 2012

Robert Nakles

University Policies

<http://universitypolicy.gmu.edu/>

- Use and Reproduction of Copyrighted Materials Policy 1104
- Data Stewardship Policy 1114
 - Authorization to Store Sensitive Data Procedures
- Removal of University Data from Electronic Media Policy 1114A
- Responsible Use of Computing Policy 1301
- Wireless Networking Policy 1302
- Public Internet Address Policy 1304
- Reporting Electronic Security Incidents and for Data Breach Notification Policy 1305
- Physical and Logical Access Security Policy 1312
- Remote Access Policy 1313
- Physical Access to Sensitive IT Facilities Policy 1314

Highlights



- Data Stewardship and Storing Highly Sensitive Data
- Responsible Use of Computing
- Public Internet Address Policy

CURRENT THREATS OCTOBER STATISTICS

November 8th, 2012

Curtis McNay

Phish Email & Compromised Accounts

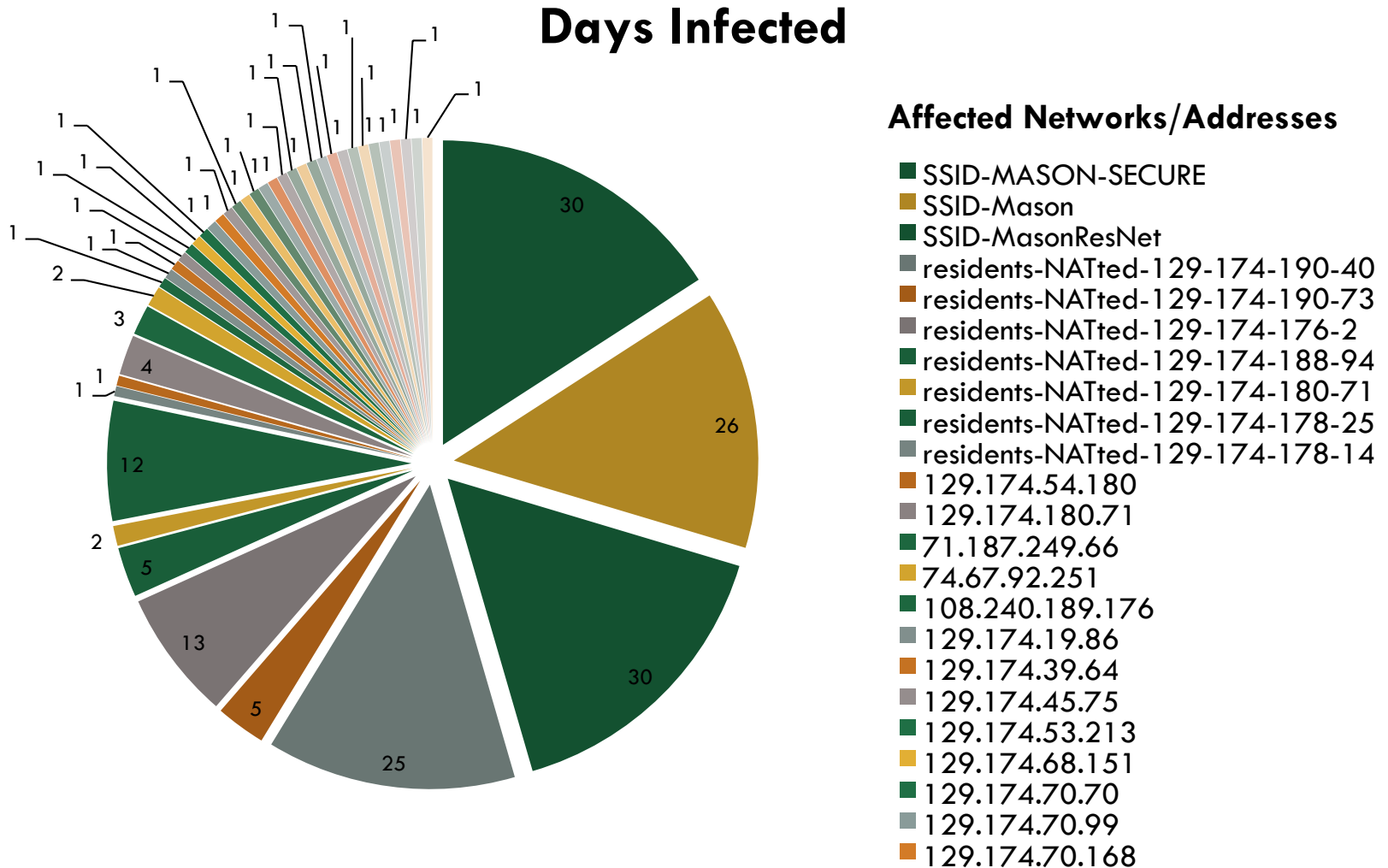
Phish Email – Date and Number

Date	# Phish	Recipients
Oct 9	2	13201
Oct 10	1	501
Oct 11	1	349
Oct 22	3	774
Oct 24	1	1581
Oct 28	1	1226
Totals	9	17632

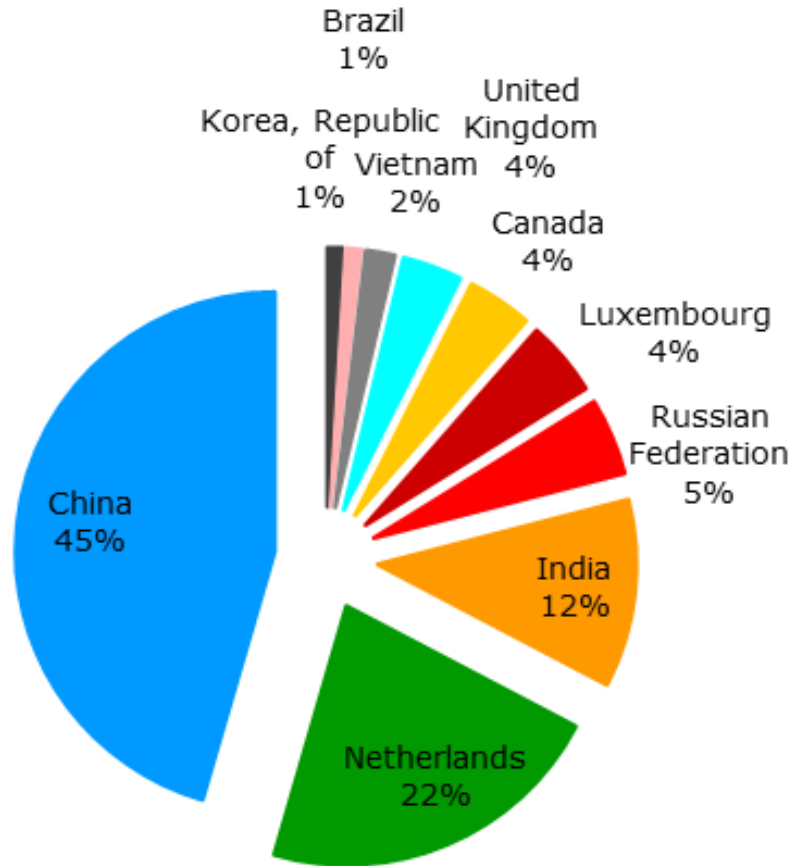
Comp. Accts. by Date and Class

Date	Number	Students	Fac / Staff
Oct 6	1		1
Oct 9	1		1
Oct 10	2		2
Oct 12	2		2
Oct 15	1	1	
Oct 23	2	1	1
Oct 25	3		3
Oct 26	1		1
Oct 28	5		5
Oct 29	1		1
Oct 31	1	1	
Total	20	3	16

Infected Workstations - Persistence of Infection



Foreign Source - By Type & Geolocation



Attack by Type	Count
Suspected Attacker - Allowed in Network	2940
Repeat Attack-Login Same Source	1115
Possible Outbreak-Excessive Connections	332
Repeat Attack-Foreign Source	321
Possible Malware - Multiple Alerts	105
Firewall Allow After Repetitive Block	4
Grand Total	4923

October Threat Summary

- 30,000(+/-) unique systems connected to George Mason's Network.
- 26 - # of identified and remediated infected workstations
- 9 Phishing Email with 17632 recipients
- 20 Compromised Accounts
- 4923 Foreign Source Attack Events

RAISING AWARENESS: REVIEW OF RESOURCES

November 8th, 2012

Sarah Morehouse

Resources Available

□ IT Security Website

□ <http://itsecurity.gmu.edu>

□ “Awareness” → “Cyber Security Awareness”

■ Handouts, presentations, and online resources

□ “Security Liaisons” → “For Your Review”

■ Monthly Security Newsletters, Security Liaison Toolkit information

□ Announcements

■ *Coming Soon:* IT Security Alerts on IT Security Page

■ *Coming Soon:* Subscription to RSS Feed to Security Tip of the Day on IT Security Site

Resources Available (cont'd)

- IT Services Web Site
 - ▣ Security Alerts
 - ▣ Report malicious e-mails and other security alerts
 - ▣ First point of contact for any account issues, phishing attacks, etc.
- IT Security Alert Module – myMason
 - ▣ IT Security Tip of the Day

Raising Awareness

- Cyber Security Awareness Month 2012
 - IT Security Office hosted 4 seminars
 - All presentations and handouts available for use to help raise awareness
- Communications
 - First to hear of new communications efforts
 - Access to all available resources
 - Any ideas, comments, concerns, questions, etc., please contact Communications Coordinator

Contact

- Questions?
- Contact:
 - Sarah Morehouse, Communications Coordinator
ITU Security and Project Management Office
ex. 3-2906
smoreho3@gmu.edu

QUESTIONS AND WRAP UP

November 8th, 2012

Questions and Wrap Up

- Questions?
- The next meeting will be Spring of 2013
- The IT Security Office will be in contact throughout the year
- Please continue to check the IT Security Office web site for the latest information