

Information Services Security Overview

June 2021

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Current & Emerging Global Threats

Common Cyber Security Threats

Threat	Example
Denial of Service Attack	Flooding a website with fake traffic to deny legitimate usage
Data Breach	Exfiltration of an organization's proprietary data
Identity Theft	For the purpose of gaining access to credit or bank accounts
Phishing	Tricking someone to provide personal or proprietary information
Malware	Encryption of a computer system and holding it hostage in return for money or information (Ransomware)

FBI Recommended Countermeasures

✓ Cybersecurity Awareness Training	✓ Data Backup and Recovery
✓ Implement Spam Filters	✓ Software Restriction Policies
✓ Email Threat Scanning	✓ Use Least Privilege Access Controls
✓ Frequent Patching of Infrastructure	✓ Implement Server Virtualization
✓ Anti-Virus / Anti-Malware with frequent scanning	✓ Conduct Annual Penetration & Vulnerability Testing

INCREASE IN ATTACKS EXPLOITING VULNERABILITIES IN REMOTE ACCESS PRODUCTS 2019-2020

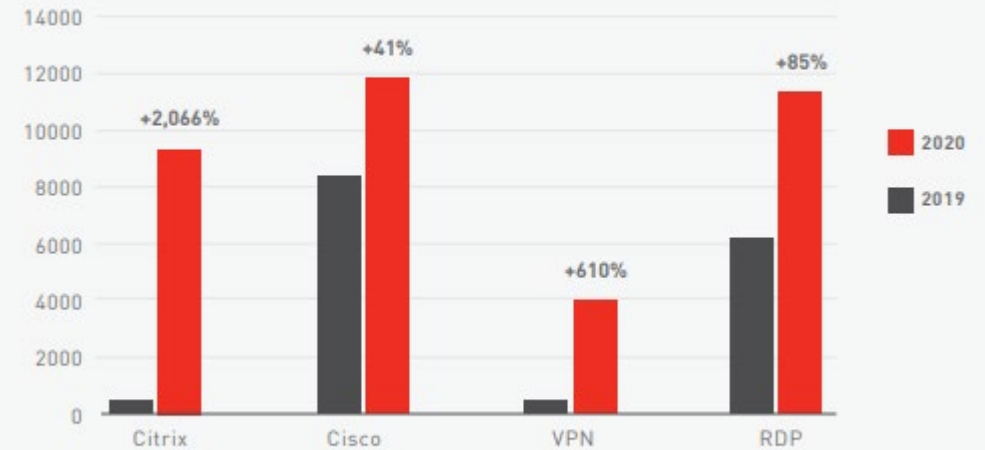


Figure 2: APT Groups Integrate New and Old Remote Access Vulnerabilities to Gain Initial Foothold.

Source: Check Point 2021

- Sharp increase in attacks against remote access and mobile devices
- 2020 shift away from targeting individuals to businesses & government
- Impersonation of government has become a major new objective
- Ransomware continues high growth and malware of choice
- Ransomware has cost businesses globally \$20 billion in 2020, up from \$11.5 billion in 2019 (Check Point)
- Double extortion: encrypting data and threatening release of the data



Preventive Measures

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Preventive Measure Strategy

People

- An educated & proactive user community
- Subject matter experts on staff
- Vendor & peer partnerships

Process

- Frequent & established patching process for all infrastructure
- Outside audits & penetration testing
- Threat detection & remediation
- End user training
- Enhanced authentication

Technology

- Firewall protection
- Email filters
- Anti-virus/Anti-malware software
- Storage backup
- Server virtualization
- Disaster recovery



Information Traffic Since January 1st – May 14th

OLIS Web Hits Since 1 Feb

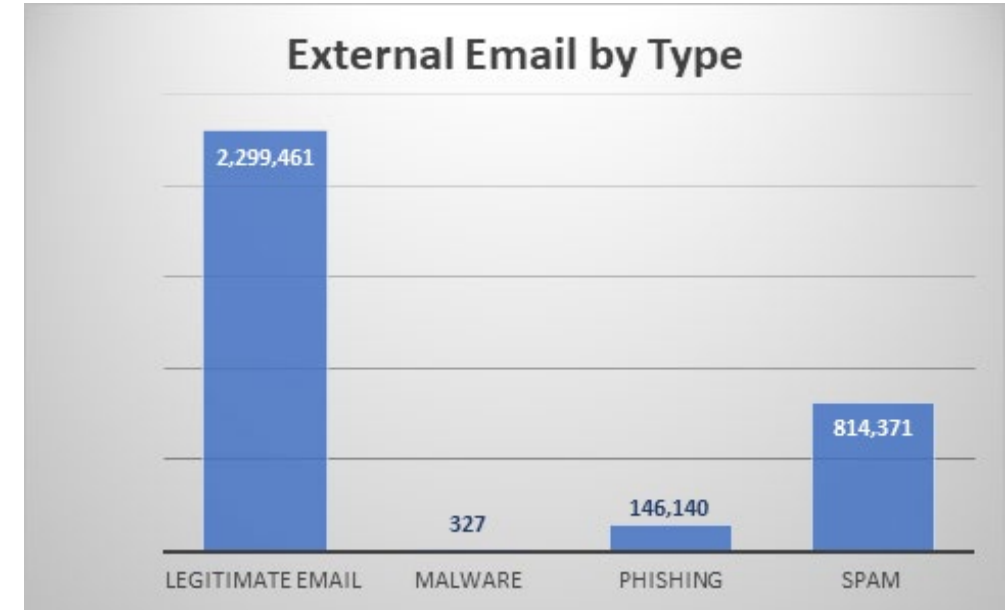
- Total OLIS pageviews: 5,871,809; 1%↑ over 2019 and 9% 2017
- Unique pageviews: 4,406,757; 1%↑ over 2019 and 11% 2017
- 2021 Usage: 10.8% Returning Users, 89.2% New Visitors
- 2019 Usage: 53.8% Returning Users, 46.2% New Visitors

Capitol E-Subscribe

- Total Emails Sent: 15,432,495; 56%↑
 - Emails sent to people who have subscribed to Bills, Committee Agendas, Member Press Releases, Jobs, etc.
- Number of people currently subscribed: 586,111
- People subscribed to bills, committee agendas, member press releases, jobs, etc.

ODATA Usage

- Total registered users: 80
- Total requests for data to the Odata service: 108,809,516
- Industries of users: A variety, ranging from Legal, Universities, Media, High Tech., Government, & lobbying



Legislature Email Traffic

- Total email traffic: 3,260,299
- 70% is legitimate email



Virtual Meetings Hosted by Legislative Branch 2021

Microsoft Teams

- Total Meetings: 18,535
- Total one - one calls: 18,904
- Total Audio: Hours 67,637 or 7.72 years
- Total Video: Hours 65,504 or 7.48 years
- Total Screen Share Hours: 5,253

Streaming (Committee and Chamber video)

- Total Plays: 30,971
- Total Play Time in hours: 61,946 or 7.1 years
- Average Play Time: 2:00
- Total Visits: 201,934
- Total number of Committees as of 5/24:
 - 2021 - 1,332
 - 2019 - 1,113 (in person)

