

Information Services Security Overview

May 2023

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Current & Emerging Global Threats

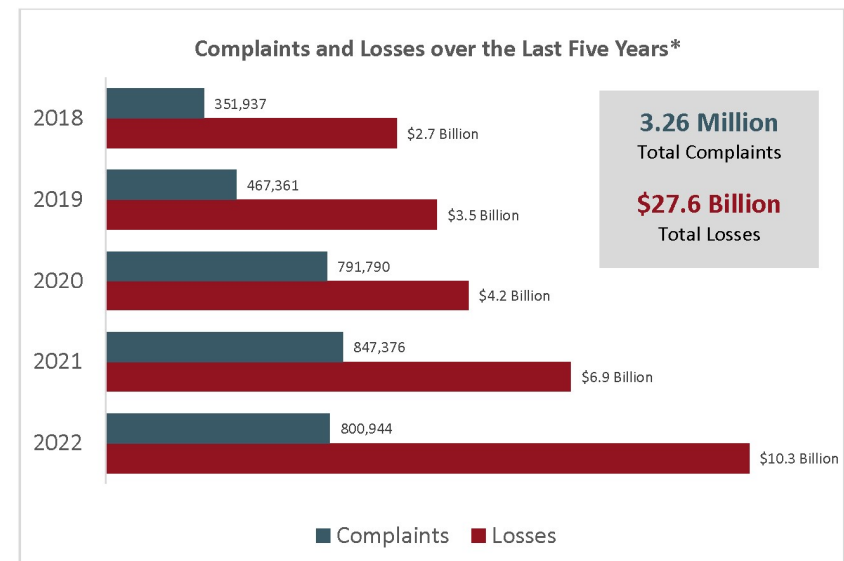
Common Cyber Security Threats

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
Spyware	Gathers system usage data and transmit it home
Malicious Code	Viruses, worms, and Trojan horses
Malware	Program which is designed to damage your computer
Malware (Ransomware)	Encryption of a computer system and holding it hostage in return for money or information
Phishing	Tricking someone to provide personal or proprietary information
Phishing Types	10 specific ways of phishing have been identified

Top attacker objectives remain:

1. Data theft (e.g. for extortion or competitive advantage)
2. Financial gain (e.g. Ransomware)

- Government organizations remain the most highly targeted networks
- Attackers have become extremely adept; dwell time on breached networks dropped from over 1 year a decade ago to ~2 weeks today
- Underground market for hacking tools and services is booming
- Ransomware continues high growth and malware of choice
- Top methods of initial access include vulnerability, exploitation, phishing, use of stolen credentials, use of beach heads from prior security intrusions, and Social Engineering



Source: FBI Internet Crime Complaint Center (IC3)

Preventive Measures

Center for Internet Security: Critical Security Controls

Security Controls

Security Controls	
Asset Management	Malware Defense
Data Protection	Incident Response Management
Secure Configuration	Security Testing
Account Management	Security Awareness
System/Network monitoring	Proactive engagement with Security peers
Vulnerability Management	

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

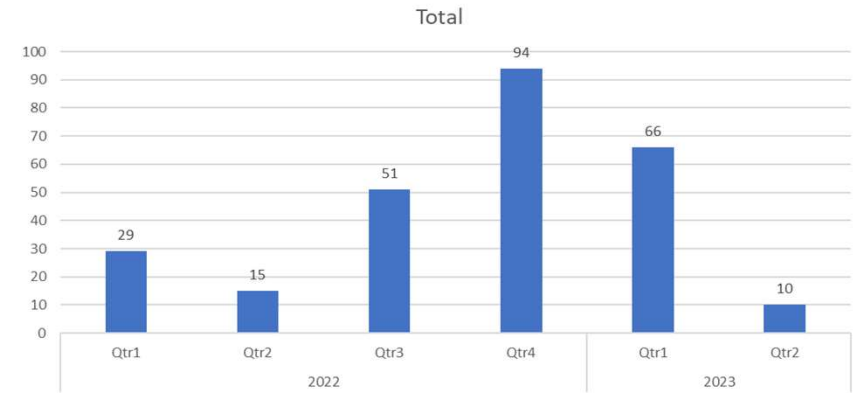


System Changes

Information Services

- First Time Right (FTR) metric on changes – 98%
- System uptime in 2023:
 - OLIS - 97%
 - FIS/RIS - 99%
 - Mainframe (bill drafting), email, Teams & phone system - 100%
 - Network: wireless - 97%, wired - 100%
- Session: 3,217 work orders closed, 699 closed within 1 hour
- Teardown, move and set up equipment in new locations for all Leg Admin, LPRO, LRO, Chief Clerk & Secretary of the Senate offices
- Set up hearing rooms A-F, 170, 174, and temporary media control room within a month and a half
- New Wi-Fi network

Number of Work Items



System: Subsystem	# of work items	Percentage
OLIS	166	63%
DESKS	15	6%
LIMS	11	4%
Unknown	10	4%
Measure Tracking	8	3%
SED	7	3%
FISRIS	7	3%
Dev Infrastructure	7	3%

Usage Since January 1st – May 15th

OLIS Web Hits Since 1 Feb

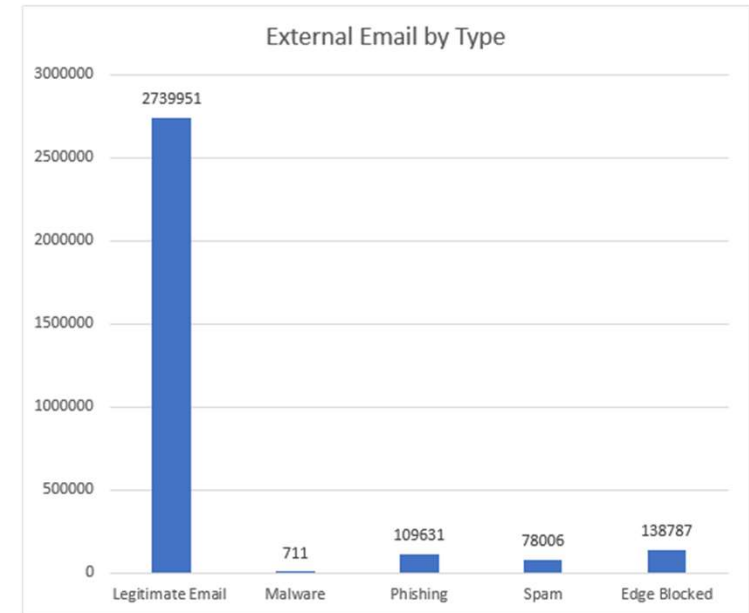
- Total OLIS pageviews: 5,769,270 - 1.76% ↓ versus 2021
- 2023 Usage: 26.36% returning visitors, 73.64% new visitors
- 2021 Usage: 10.8% returning visitors, 89.2% new visitors
- 2019 Usage: 53.8% returning visitors, 46.2% new visitors

Capitol E-Subscribe

- Total emails sent: 11,799,037 – 26.68% ↓ versus 2021
 - Emails sent to people who have subscribed to Bills, Committee Agenda, Member Press Releases, Jobs, etc.
- Number of people currently subscribed: 596,044
 - People subscribed to bills, committee agendas, member press releases, jobs, etc.

ODATA Usage

- Total requests Odata service 2023: 149,236,260
- Total requests Odata service 2021: 108,809,516
- Industries of users: A variety, ranging from Legal, Universities, Media, High Tech., Government, & lobby



Legislature Email Traffic

- 89% are legitimate – 16% increase from 2021
- Since 2021:
 - 91% reduction in emails filtered as SPAM
 - 44% increase in emails classified as having malware
 - Slight decrease in phishing emails



Virtual Meetings Hosted by Legislative Branch 2023

Microsoft Teams

- Total Meetings: 10,932
- Total one - one calls: 3,822
- Total Audio: Hours 17,347 or 1.98 years
- Total Video: Hours 16,154 or 1.84 years
- Total Screen Share Hours: 8,155

Streaming (Committee and Chamber video)

- Total Plays: 1,032,044
- Total Play Time: 98 years 163 days
- Total Visits: 1,150,596
- Total number of Committees as of 5/15
 - 2023 - 1,259 (Hybrid)
 - 2021 - 1,332 (Virtual)
 - 2019 - 1,113 (In person)

Other Metrics

- Total Visits OLIS: 5,769,270
- Total Visits Internet: 1,912,579
- Wi-Fi
 - Connections YTD: 598,755
 - Max daily average: 1,139

