St. Charles Parish

Information Technology Office Report

April 24th, 2023

Anthony Ayo
Director of Technology and Cybersecurity

Information Technology Team

Anthony Ayo – Director of Technology and Cybersecurity

Erik Dufrene – Computer Systems Supervisor

Kimberly Cheramie – Information Systems Specialist

Abel Dufrene – Information Systems Analyst

Technology Accomplishments in 2022

- Next Generation Cyber Security Tools Deployment
  - Updated Security Patching Tools
  - Multi Factor Authentication
  - Next Gen Antivirus
  - Behavioral Analysis tools
- No major cyber security compromises in 2022
- Participate in the State and Local Cybersecurity Grant Program (SLCGP) Planning Committee.
- Public Works SCADA Network Security Project
- Server Migration and Consolidation into new Data Center.
- Navigating supply chain challenges.
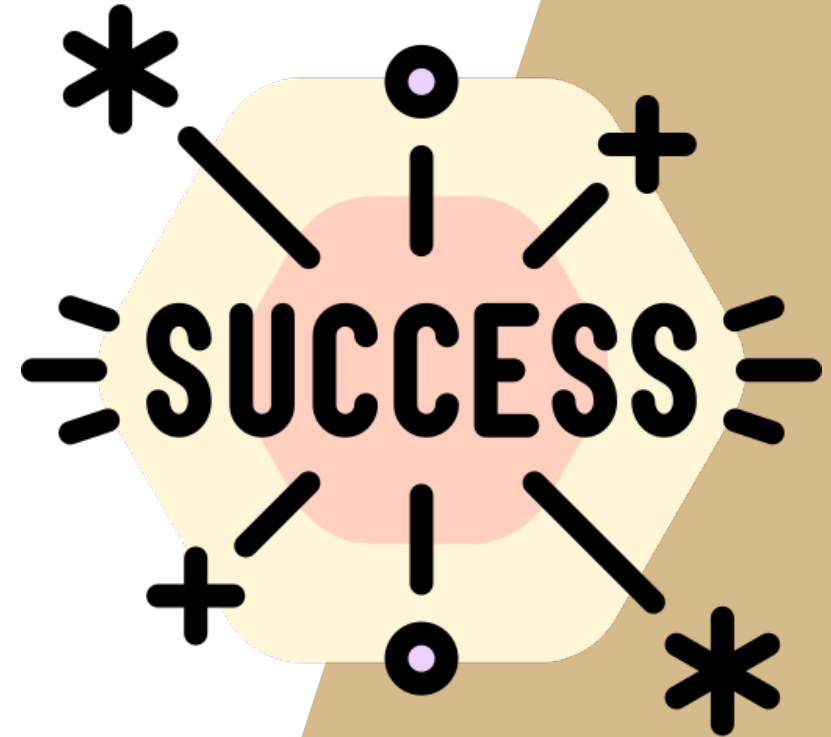
Cybersecurity Report for 2022

- Over 5.2 Billion Data points Analyzed
- 228 Investigations Evaluated
- 71 Reported Incidents

Investigations

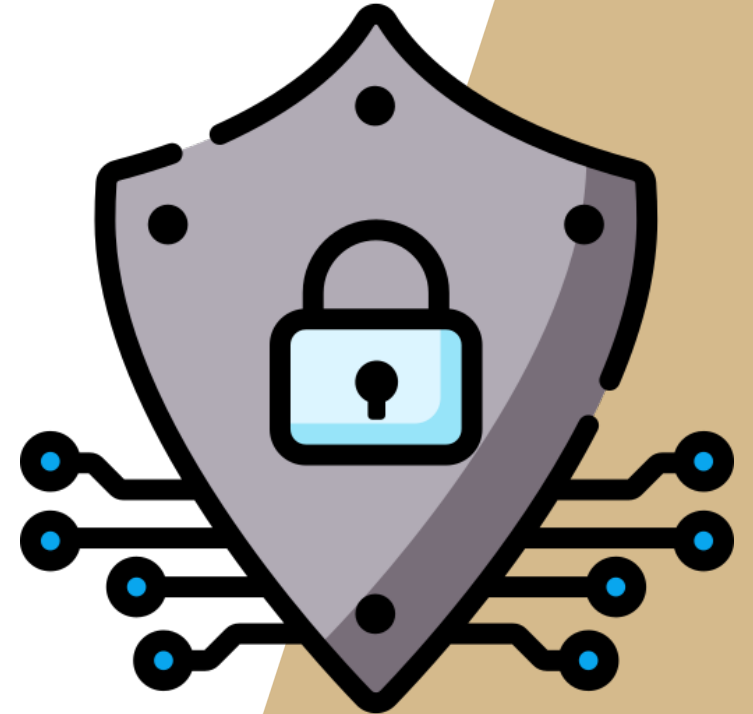Number of potential incidents that were examined from your environment.

228

Reported Incidents

Security incidents that were brought to your attention.

71

Cybersecurity Report for 2023 (to Date)

- Over 1.2 Billion Data points analyzed (YTD)
- 78 Investigations Evaluated
- 31 Reported Incidents

Observations
Number of data points ingested by the sensor.

1.27 G

Investigations
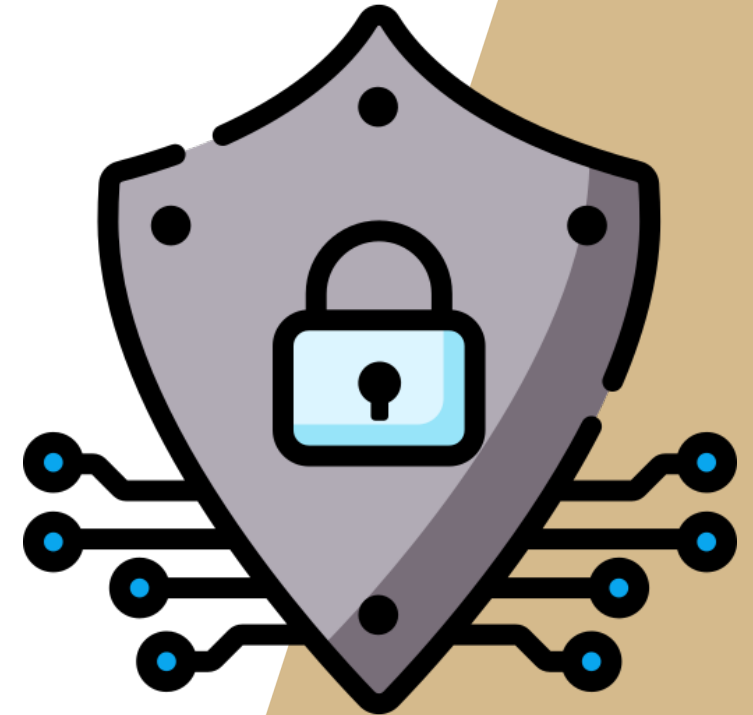Number of potential incidents that were examined from your environment.

78

Reported Incidents
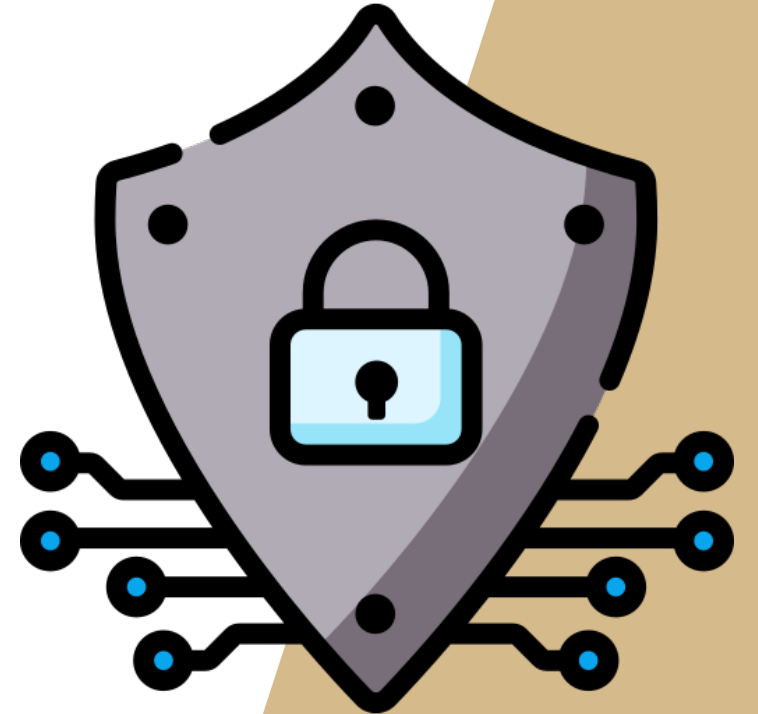Security incidents that were brought to your attention.

31

Cybersecurity (the future)

- Threat landscape is growing and evolving:
    - Ransomware attacks
    - Phishing attacks
    - IoT attacks
    - Supply chain attacks
- The Age of Artificial Intelligence (AI)
    - AI can be helpful (SOC)
    - AI can be used maliciously
        - Gather data
        - Targeted Attacks
        - Automated Attacks

Technology Goals for 2023

- Data Center - Colocation (Phase 2)
- Contract Lifecycle Management Program (CLM)
- .GOV Email Migration
- Penetration Testing (after Data Center Project)
- Wireless network infrastructure upgrades
- Wired network Infrastructure upgrades
- Network Resource Consolidation
- Access Controls and Camera Upgrades

Thank You!

Questions or Comments?