

State of Cyber Security

2021

Supporting the OCTA mission by protecting OCTA networks, systems, and the confidentiality of data.



Cyber Security Team Members

Government / Private / Department of Defense

Cyber Security: 40 YRS IT: 32 YRS

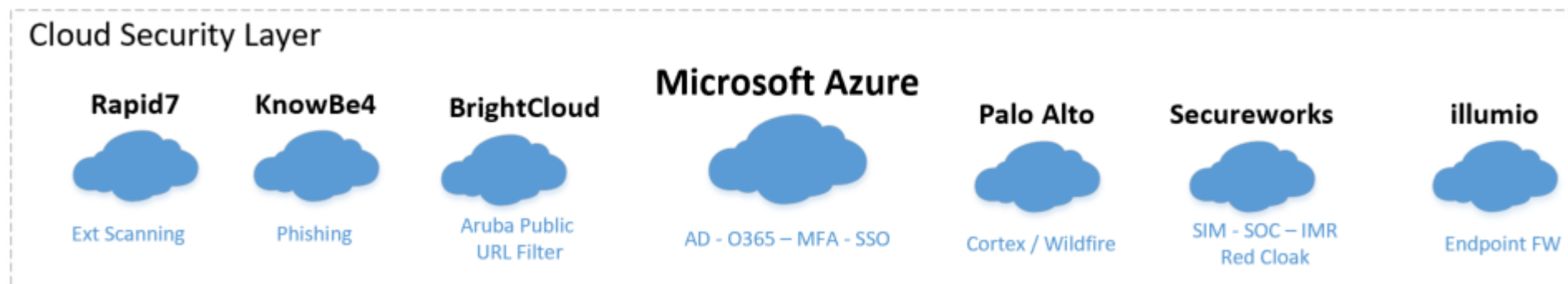
- **Michael Cardoza**
 - Cyber Security Manager
 - DHS held Security Clearance (SECRET)
- **Phil Moncada**
 - Cyber Security Analyst, Sr
- **Sean Slaven**
 - Cyber Security Analyst, Sr
- **Samantha Robert**
 - Cyber Risk Manager



Cybersecurity Overview

- Cloud / Network / Endpoint
- Monitor, Detect, Alert, and Protect
- SIEM* / 24-hr Security Operations Center
- Vulnerability Scanning and Remediation
- Machine Learning / Behavior Analysis
- Access Management
- Multi-Factor authentication /Single Sign-on
- Network Segmentation
- Email / Phishing Protection & Training

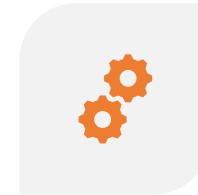
• *Security information and event management



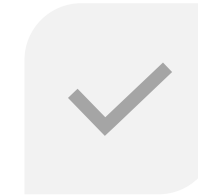
2020 Accomplishments

Cyber Security Accomplishments

1. Remote work security reviews and enhancements
2. Cybersecurity integrations
3. Completion of multiple vulnerability programs
4. Completion of 1st year mandatory security training
5. Automated processes
6. 300 percent increase in AI* monitored networked devices
7. Integration of Cloud, perimeter, and endpoint monitoring and protection.
8. Third-party & Internal audits, risk assessments, and testing
9. Data security best practices



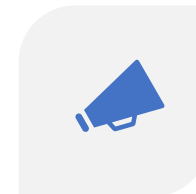
MDR
IMPLEMENTATION



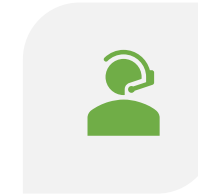
RAPID7
IMPLEMENTATION



VULNERABILITY
REMEDIATION



USER TRAINING &
AWARENESS



AUDIT SUPPORT &
RESPONSE



DATA CENTER
SECURITY

*Artificial Intelligence

Monitor, Detect, and Respond

Over 294 billion logs reviewed in 2020

- AI powered Security Solutions
- Cloud, Perimeter, & Endpoint monitoring
- 24/7 Security Operations Center
- Threat Hunting and Intelligence
- Incident Response and Support

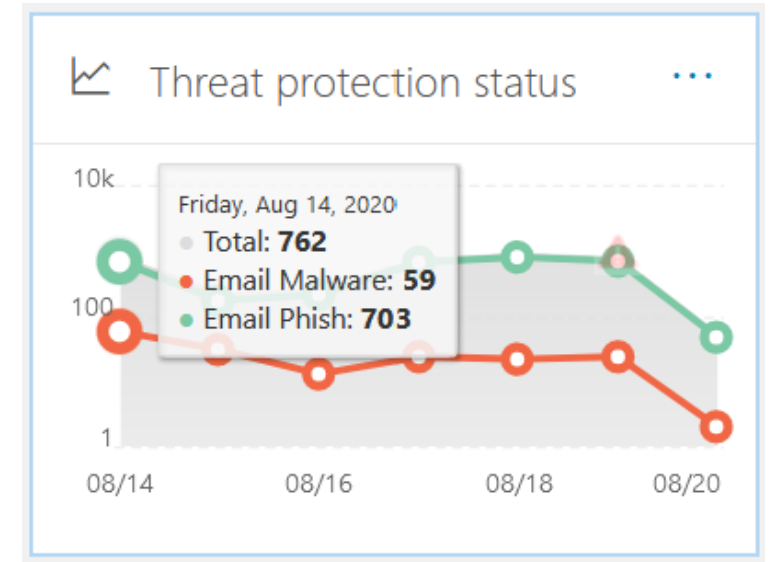
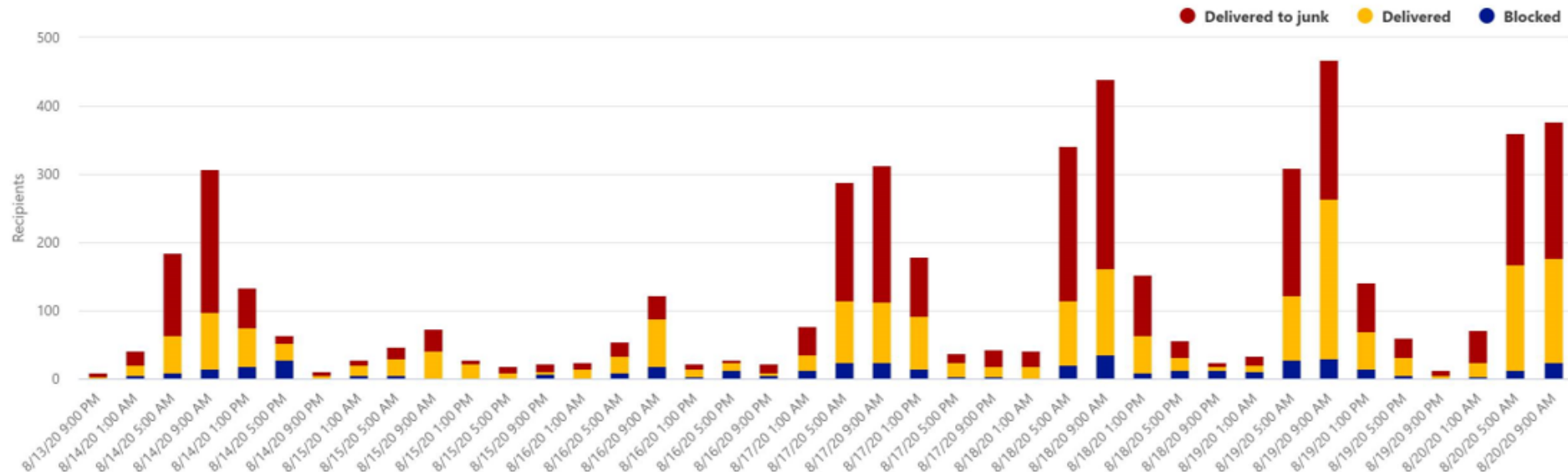
Zero Loss of Data



Cloud Security

- AI based automation
- Monitoring of logins and risky behavior in Microsoft 365
- Advanced threat protection for email
- Anti-phishing, impersonation, and malware protection
- Multi-factor authentication and Single Sign-on
- Conditional Access

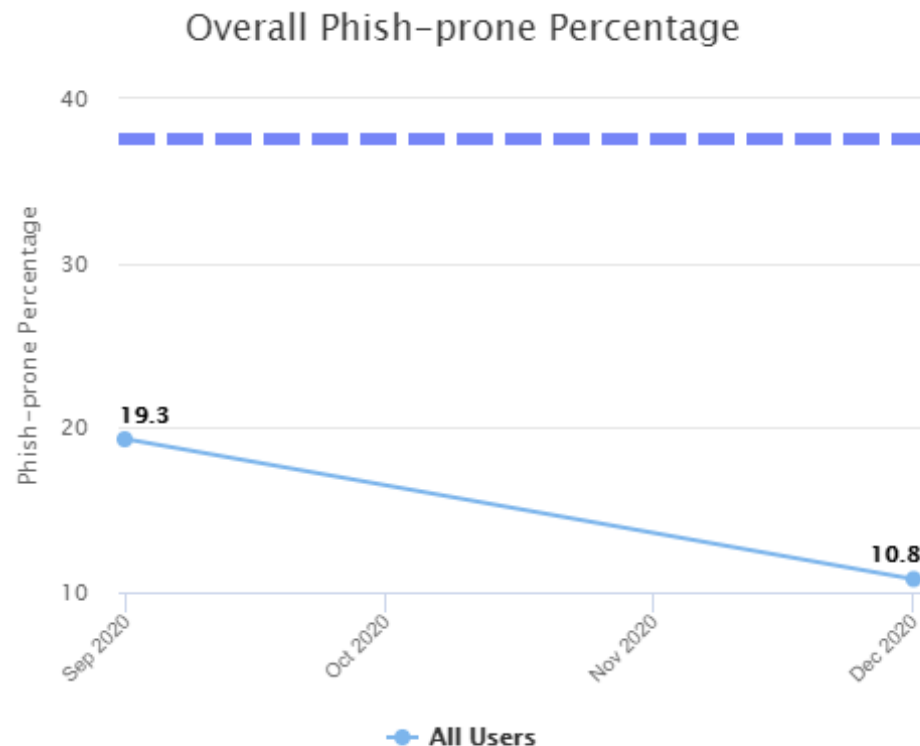
▼ Delivery action



Security Awareness Program

- OCTA employees are an important part of our security program
- Phishing is an important part of an attacker's process
- Training remains a focus of our Security Awareness Program

91 percent of cyberattacks begin with a spear phishing email (KnowBe4 2020)



All Campaigns	
Total Campaigns	17
Active Campaigns	0
Inactive Campaigns	17
Phishing Security Tests	17

2021 Cybersecurity Goals

Cyber Security Goals

1. Identify and remediate vulnerabilities and threats
2. Review and update policies and procedures
3. Maintain scanning, monitoring, and auditing responsibilities
4. Provide regular OCTA cybersecurity training and awareness
5. Continue Third-party & internal risk assessments
6. Determine and implement security enhancements
7. Test and tune security tools

