

IT UPDATE



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BOT RMAC Committee Presentation
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- Enterprise Endpoint Management
- Mobile Device Security
- PCI Data Security Standard Remediation
- Network Core Upgrade
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ENTERPRISE ENDPOINT MANAGEMENT

- Ensure campus endpoints are members of the ncat.edu domain
 - > Provide a secure baseline configuration
 - > Ensure timely installation of patches and updates
- Ensure endpoints use a current operating system
- Ensure endpoints use up-to-date antivirus and antimalware
- Collect inventory data
- Add property tags

EEM STATUS

- ITS Pilot is nearing completion
- Issues with Active Directory and Wake-on-LAN (WoL) have been identified and are being addressed
- Process issues have been addressed
- ITS will expand the project to a second pilot in another division in March

MOBILE DEVICE SECURITY

Apple Mobile Program – Unlimited Possibilities (AMP-UP)

- Student Success Program
 - > Leverages iPads for improved learning outcomes
 - > Pilot program to assess impact
 - > \$7 million investment
- Leverages JAMF PRO to manage security controls
- ITS plans to expand the use of JAMF PRO to include all iPads and iPhones owned by the university.

PCI DATA SECURITY STANDARD REMEDIATION

- User training completed
- Technical training completed
- Installation of new P2PE swipe devices underway
 - > Reduces scope of compliance
- Must resolve telephony issues

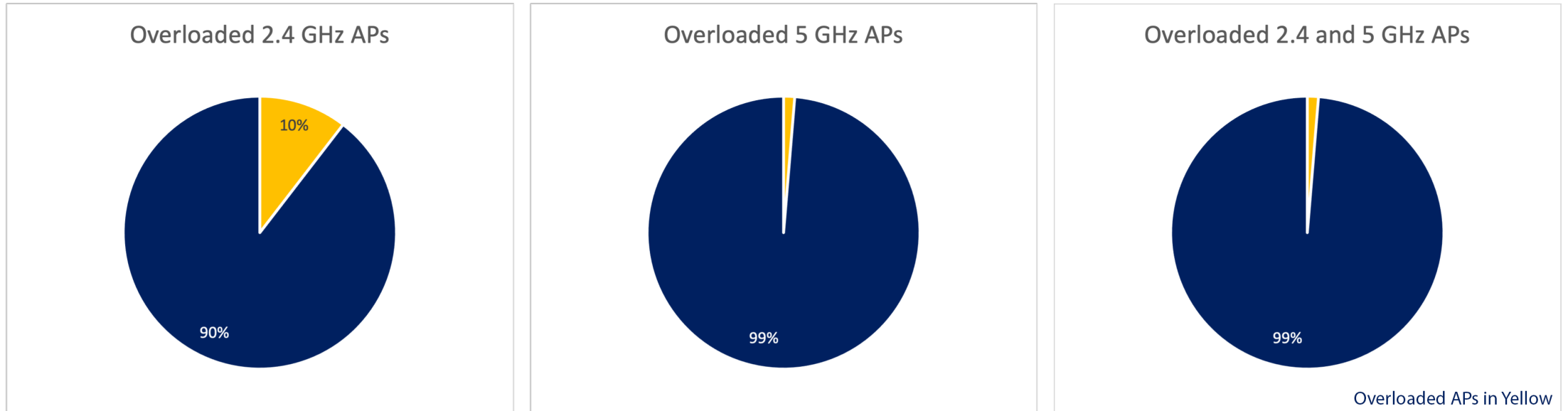
NETWORK CORE UPGRADE

- New core network switches
- Provides *fabric* network capabilities
 - > More resilient – fewer protocols and reduced complexity
 - > Improved segmentation
 - > Enhanced Quality of Experience (QoE)
- Implementation underway

SIEM AND NETWORK SCANNING

- Security Information and Event Monitoring (SIEM)
 - > SIEM solution is in place
 - > Ingesting logs from ITS servers and network equipment
 - > On track to incorporate all ITS servers by June (audit requirement)
- Network Scanning
 - > New product evaluation underway
 - > On track to acquire by March and implement by June (audit requirement)

WIRELESS NETWORK OVERLOAD ISSUE



- 1,829 Access Points (APs)
- 122 Overloaded APs, Located Across Campus
- Adding Over 100 APs by Spring Break

ADDITIONAL WIRELESS NETWORK ISSUES

- Older Switches in Residence Halls
 - > Replaced with newer network switches during the winter break
- Excess 2.4 GHz Traffic
 - > Moved additional traffic to 5 GHz during the winter break
- IP Address Depletion
 - > Allocated a Class B space to each wireless network (65K addresses)
- Authentication Issues in February 2022
 - > Added additional Network Access Control (NAC) servers

Questions?