



WILLIAM & MARY

CHARTERED 1693

INFORMATION SECURITY PROGRAM

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Information Technology

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SECURITY THREATS

- Data Breach
- Phishing/Spear Phishing
- Malware
- Ransomware
- Internal Threats

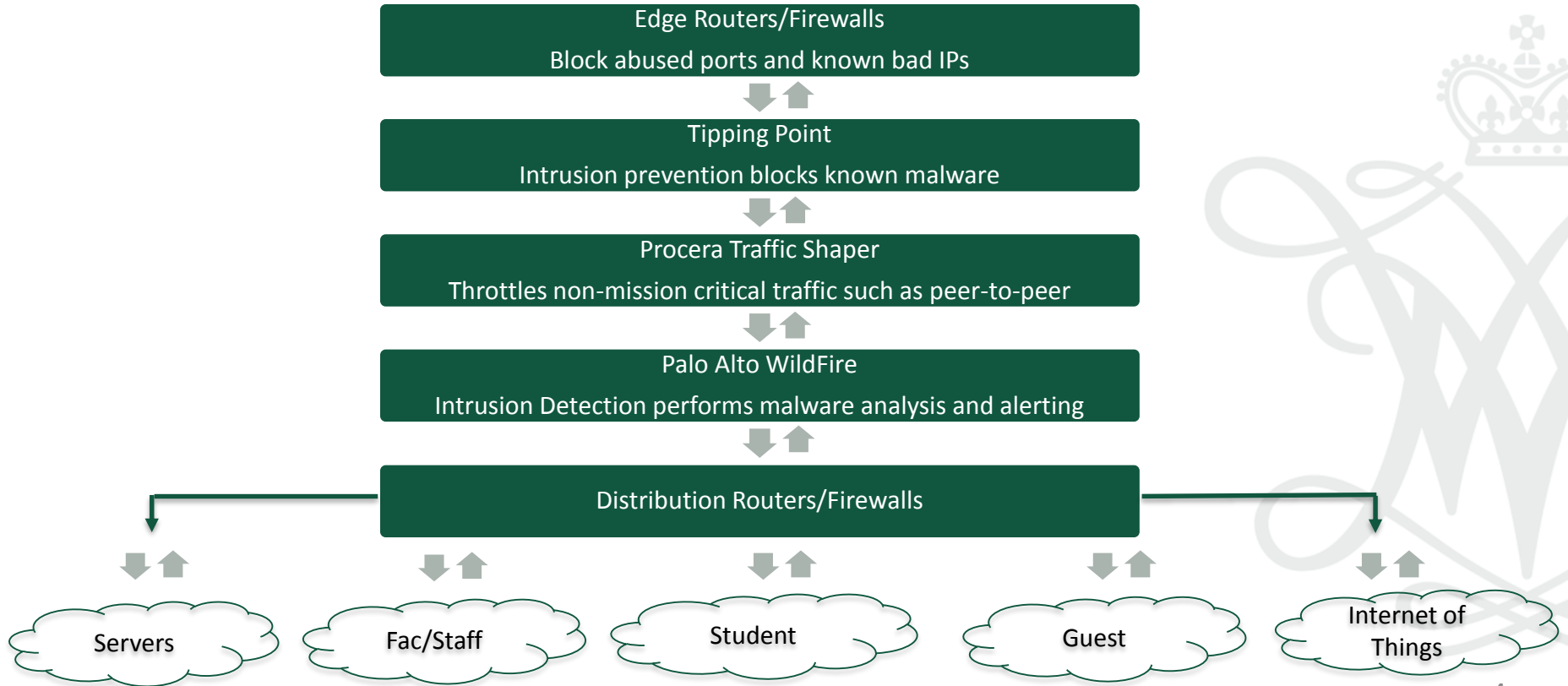


SECURITY FRAMEWORK

- Aligned with the International Standards Organization code of practice for information security controls (ISO 27002:2013)
- Fifteen (15) security domains and control objectives
- Supports several other Virginia higher education security programs

Risk Assessment	Access Control	Systems Acquisition/Develop
IS Policies	Cryptography	Supplier relationships
Organization of IS	Environmental Controls	IS incident management
HR Security	Operations Security	DR and Business Continuity
Asset Management	Communications Security	Compliance

NETWORK CONTROLS



DEVICE AND APPLICATION CONTROLS

- Weekly vulnerability scan of enterprise servers
- Patch management for servers and PCs
- Cylance – AI based next generation end point protection on over 4000 college owned machines
- Email filtering for spam and phishing
- Application access controlled by role based identity management system



END USER SECURITY

- Windows domain security controls
 - Active directory and group policy
- Provision of secure file administration using Box
- Secure remote access via virtual private network and two factor authentication
- Security awareness and training program

APA AUDIT POINTS

- MP02 – Continue to Improve Database Security Controls
- MP03 – Improve Information Technology Change Control

