IT Board Update

Portland Community College Q12018 Office of the QO



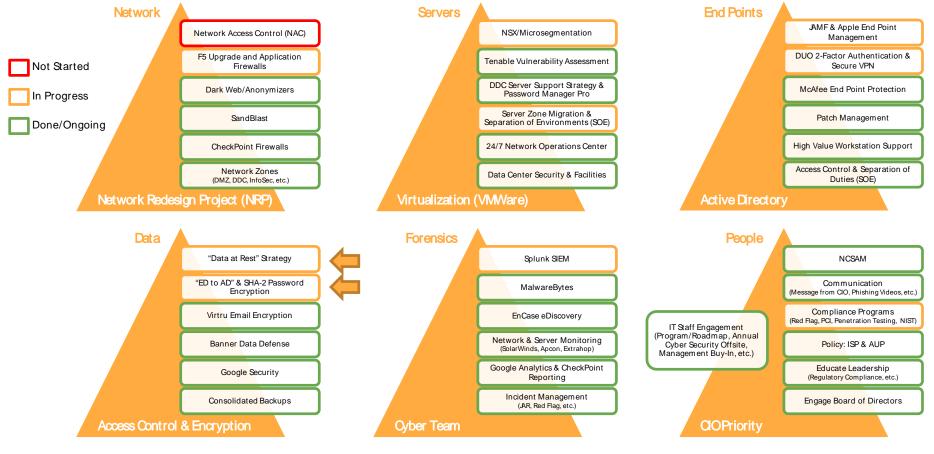


Agenda

- Defense in Depth Review
- 2. 2017 Annual Cyber Security Report (ACSR)
- Threat Landscape
- Highlights
- Concerns



Defense in Depth (InfoSec Roadmap)





2017 ACSR: Threat Landscape

- Largest losses to date globally: identity & financial
- 2. Higher Education is #3 target (after Finance, Healthcare)
- 3. Increased regulations & laws: PCI, GDPR
- 4. Equifax! Uber, Google Ole...
- 5. New threats: WannaCry, Kaiser, Hidden Cobra
- 6. Increased Sophistication: phishing, BEC, etc.
- 7. FAFSA (Application for Federal Student Aid) 20 to 80 million students' records
- 8. North Korea, Russia, China and India are worst state offenders



2017 ACS Report: Highlights

2017 was PCC's "best year ever":

- 1. Formally adopted B710 "Identity Theft Prevention Program" (2009)
- 2. Established Red Flag committee
- 3. Gartner IT Score: 3.1 to 3.8
- 4. No reportable events (defended against new threats: WannaCry, etc.)
- 5. Completed NIST "dry run" audit in Q1 2018
- 2nd Annual "National Cyber Security Awareness Month"
- 7. Encryption of PCC's "system of record" (Banner data Defense)
- 8. Implemented district-wide Patch Management
- 9. Began implementation of Splunk SIEM
- 10. Virtru email encryption for the Dental Division (HIPAA protection)
- 11. Expanded network and server monitoring capabilities

All *keystone* objectives identified in last year's report (e.g. block USA dark sites and outbound traffic, implement Sandblast, Banner Database Encryption, etc.) were successfully met.



2017 ACS Report: Concerns

- REN-ISAC¹ Dark Web database
- 2. Google's Ole breach
- 3. Dropbox, Yahoo, other cloud services breached throughout 2017
- 4. North Korean "Hidden Cobra"
- 5. Chief Information Security Officer (CISO)
- 6. Budget

¹The Research and Education Networking Information Sharing and Analysis Center (REN-ISAC) serves the entire EDU space in the United States: "In this role, we work with trusted third parties to notify higher education institutions of infected hosts and suspicious network traffic."



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