





YULLYAN, SE, MAK, CA, CPA, CIA

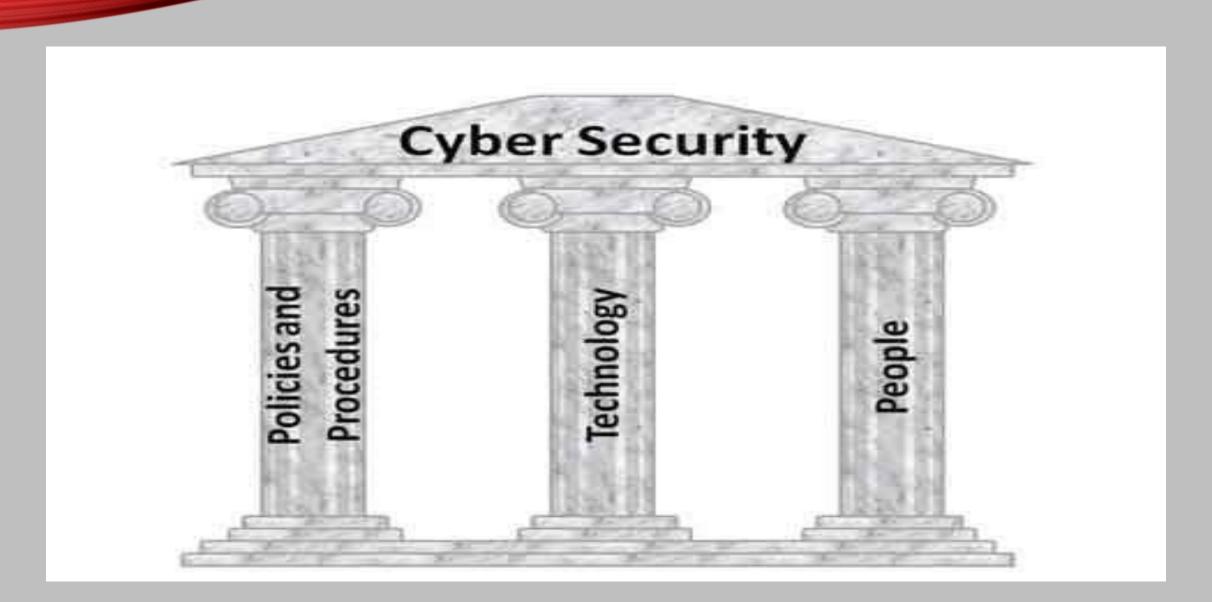
EDUCATION

- INDONESIA UNIVERSITY, ACCOUNTING, MASTER
- BRAWIJAYA UNIVERSITY, ACCOUNTING, BACHELOR
- STAN, ACCOUNTING, DIPLOMA

WORK EXPERIENCE

- MERATUS LINE, INTERNAL AUDIT MANAGER, 2019 NOW
 - LEAD DIGITAL AND AGILE TRANSFORMATION OF INTERNAL AUDIT
 - ADVISOR OF CYBERSECURITY INITIATIVES, ERP TRANSFORMATION
- BP INDONESIA, CONTROLLER, AUDIT LEAD, 2013-2019
 - SAP TRANSFORMATION, AUTOMATION, FINANCIAL CONTROLS
 - JV AUDIT, COMPLIANCE AUDIT, CONTROL REVIEW AND ENHANCEMENTS
- PREMIER OIL, TAX SECTION HEAD, 2012-2013
 - ☐ TAX COMPLIANCE MANAGEMENT
 - ☐ DISPUTE MANAGEMENT
- CNOOC, HEAD OF AUDIT, 2010-2012
 - ☐ RISK MANAGEMENT
 - JV AUDIT, COMPLIANCE AUDIT, IT AUDIT, CONTROL REVIEW AND ENHANCEMENTS
- BPK-RI, AUDIT SECTION HEAD, 1998-2010
 - LEAD GOVERNMENT FINANCIAL STATEMENT AUDIT
 - LEAD INVESTIGATIVE AUDITS

3 PILLARS OF CYBERSECURITY



WHAT AND HOW TO AUDIT A PEOPLE ASPECT

- Training and Awareness of cybersecurity
 - Review training and awareness program performance
 - Review the contents (phising, user access, malicious softwares, etc)
 - Review the competency test materials
 - Review the dashboards contents and updates (visibility of threats)
- Collaborate with IT for ethical phising attempts
- Observe the security behaviours in every audit engagement or in daily observations
- Review IT Security competencies
- Review system admin works

WHAT AND HOW TO AUDIT A POLICY/PROC ASPECT

- Review policies and implementation of :
 - User access management (add, monitor, remove)→ GTAG 9 Identity and Access Management
 - Software asset management
 - BYOD
 - Cloud services
 - Change and Patch management
- Review the procedures and implementation of the above. Also review:
 - Integration of HR procedures with UAM, BYOD
- Review contract with cloud provider
- Review cloud provider security certification (SOC type 2 should available)
- Review the incident response and procedures

ETHICAL CONSIDERATIONS

- Confidentiality of data regulated in different regulations (tax, financial services, health)
- Menkominfo Regulation 20/2016: Personal Data Protection in Electronical System
- When to tell customer about the data breach incidents?
- Privacy and confidentiality issues when IT can see and tracking your devices, including BYOD

 GTAG 5 Managing and Audit Privacy Risks
- Licensing issue

Thank You

Bonus Slides

HOW DO WE AUDIT CYBERSECURITY? ACTIVE AUDITING

Active Auditing

Traditional audits are often awash in wasted time, unnecessary conflict, and incorrect assumptions. Active auditing is a form of Agile auditing that was developed in a major utility company to eliminate, or at least substantially decrease, these kinds of wasteful activities.

Lean and Agile Combined

- Lean: Toyota Production System-Change Making Methodology
- Agile: IT Project Management approach, an alternative to waterfall approach

COMBINING LEAN AND AGILE TECHNIQUES PRINCIPLES FROM LEAN PRINCIPLES FROM AGILE » Waste is disrespectful » Iterative development » Visual management » Time-boxing » Customer defines value » Value-based prioritization » Standardized work » Collaboration » Respect for people » Empirical process control » Retrospectives **ACTIVE AUDITING PRINCIPLES** » PILLAR ONE - Energetic collaboration >> PILLAR TWO-Iterative audit execution » PILLAR THREE - Visual management » Objectives-based risk assessment » Experimentation » Retrospectives Ref: Coleman, Prescott, Active Auditing - A Practical

Guide to Lean and Agile Auditing, 2019

ACTIVE AUDITING MODEL WE USED FOR AUDIT, INCLUDING IT AUDIT

