



Elevating the Importance of ITAM to Your Organization: Audit, Risk and Cyber Use Cases

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Eracent



Finding your IAITAM Oasis



- About your speaker:
 - IAITAM member since 2002 (#24)
 - ITAM & SAM specialist since 1999
 - Joined Eracent in 2002
 - Avid musician and car guy



*Finding your
ITAM Oasis*

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About Eracent

- Founded in 2000
- Focus on ITAM and SAM solutions (ITMC™)
- IT-Pedia® product enrichment data library
- ICSP™ Risk and Cybersecurity Management
- UK, Poland, Brazil, India operations + partners



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Agenda

- Intersection of ITAM and Cybersecurity
- Aspects of Risk
- Challenges
- Foundational Data
- Vulnerability Management
- Frameworks and Regulations
- Open Source Software Risks



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Intersection of ITAM and Risk/Cybersecurity

- Each program is governing the same asset base
- Hardware
- Installed Software
- Licenses and Subscriptions
- Contracts and Agreements
- Critical Systems and Data
- User bases (internal and external)
- and more...



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Aspects of Risk

- Network and data security
- Software license compliance (over-licensing too!)
- Regulatory compliance
- Legal considerations
- Potential penalties
- Financial
- Reputation and trust
- Personal career damage



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Challenges

- Traditional silos
- Organizational
- Geographical
- Multiple networks
- “Tool Sprawl”
- Lack of visibility and collaboration
- Undefined ownership and accountability
- Gaps in attack surface



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Tools and Processes

- Detection and mitigation tools
- Lifecycle management
- Process workflow - streamlined, automated, repeatable
- Framework-based
- Support for regulatory requirements



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ITAM = Foundational Data

- ITAM underpins security and risk efforts
 - Data and processes
- Hardware + Installed Software Assets = Endpoints
- Must have a complete view of network
 - From servers to IoT devices
- Define which tools scan which devices - and when - to get full picture
- Essential for effective cyber and risk management
- If you don't know about it, you can't manage it



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Enrichment Data

- Attributes you can't get from discovery
- Curated data library
- Extends capabilities
 - Lifecycle dates
 - Vulnerability data
 - Open Source software details
 - IoT device information
- Increase the value and efficiency of catalogs, CMDBs, security tools and other systems



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Vulnerability Management

- Hardware, Software and Libraries/Components
- NIST and other trusted sources
- Associate identified vulnerabilities with installed software
 - First step to quick mitigation
- Open Source components and libraries
 - SBOM analysis
- Supporting tools must be constantly updated



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Framework Management

- Best practices for ITAM, SAM and Cyber/Risk
 - ISO/IEC 19770-1, -2, -3, -6 and more
 - ITAM Roadmap, IBPL
 - ITIL
 - NIST CSF
- Map to active processes
- Assign ownership and accountability



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Regulatory Compliance

- External forces
- Mandates often drive awareness and adoption urgency
 - Executive order 14028
 - Section 3305 - Consolidated Appropriations Act
 - NYSDFS Part 500
 - NIS2, DORA
- Legal ramifications

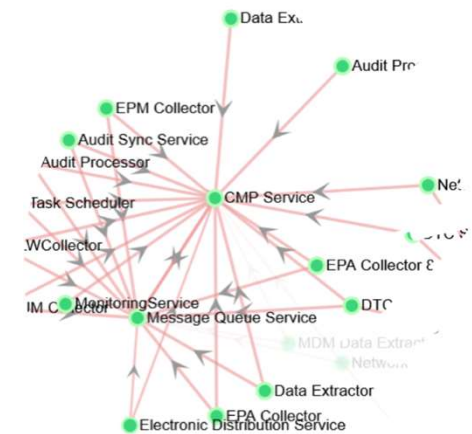


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Systems and Landscapes

- Cyber frameworks require each endpoint to map to a system
- Context for each asset
 - Where, how used, potential impact
- Filters to support reporting and workflow
- Automate via Application and Infrastructure mapping
- Useful for other IT Ops functions



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Open Source Software Risks

- Potential vulnerabilities
 - Components (i.e., Log4j) and libraries
 - “Behind the scenes”, not covered by typical vulnerability scanners
- License Type Risk
 - Permissive licenses
 - Copyleft licenses
 - Legal and financial ramifications
 - Choose wisely!
- Review during sourcing process – request SBOMs



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Obsolescence Management

- Old applications pose technical and security risks
- Compatibility issues
- Outdated and/or unmaintained code
 - Open source components and libraries too
- Increased odds of hacking
- Update or remove obsolete software



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ITAM's Value Increases

- Show security and risk teams data that you have available
- Provide discovery data – reconcile and normalize
- Identify any unscanned, unprotected endpoints
- Demonstrate the potential to streamline tools and applications
- Remove unused/underutilized software – reduce attack surface
- Integrate with and feed security tools

This expands the scope and proves the value of ITAM!



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Questions?

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