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SOC

Security Operations Center Challenges And Implementation

Tariq Al-Walah
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Security Operations Center Challenges And Implementation

Agenda

- Necessity to Monitor
- Challenges
- Approach
- Triad of Security Monitoring
- Focus Areas
- SOC Service catalog
- SOC as Project
- Manpower Selection
- Modes Of Operation

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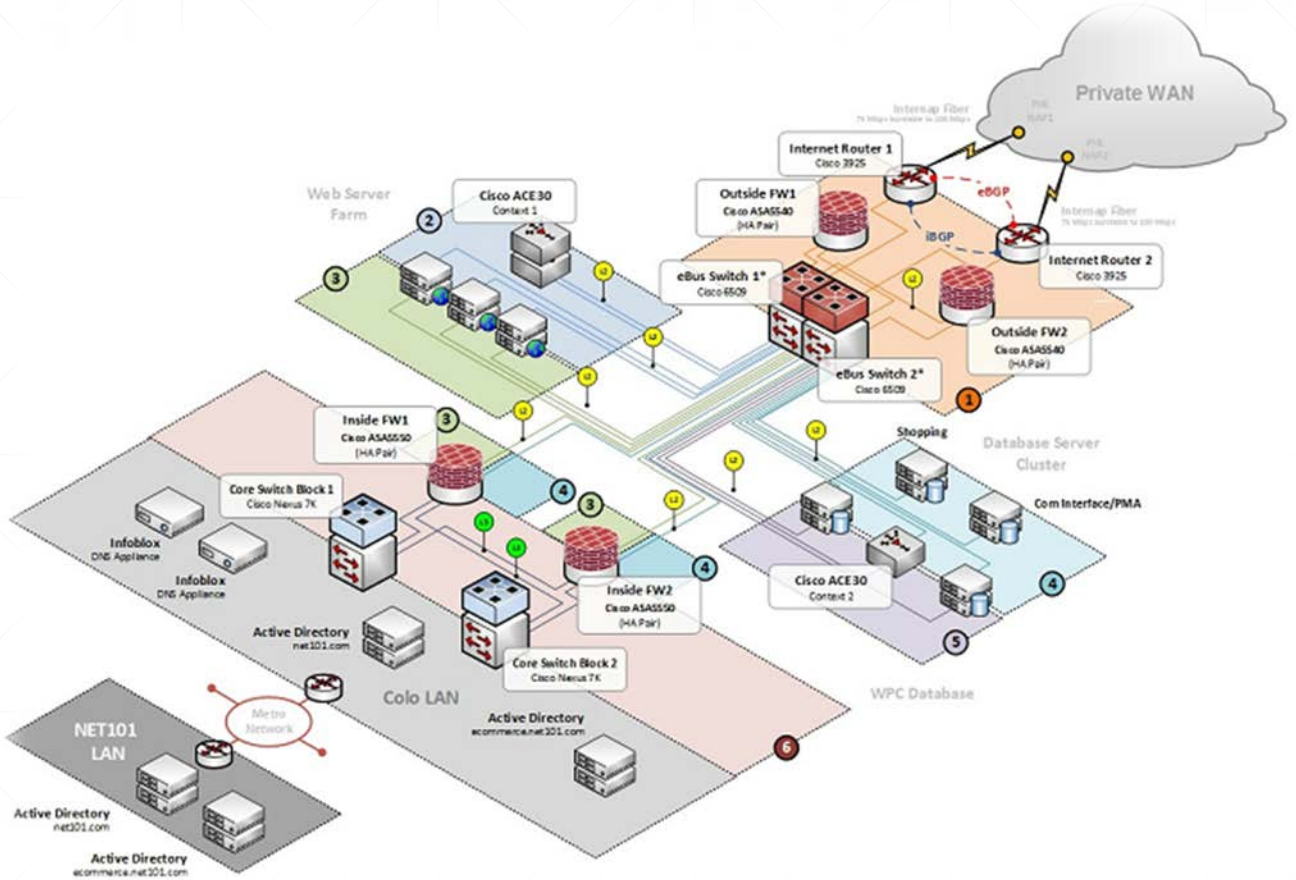
Security Operations Center Challenges And Implementation

Necessity to Monitor

- Nation Scale Attacks
- Huge amount of logs
- Versatile technologies
- Slow Incident Response
- Distributed security Silos
- Compliance needs



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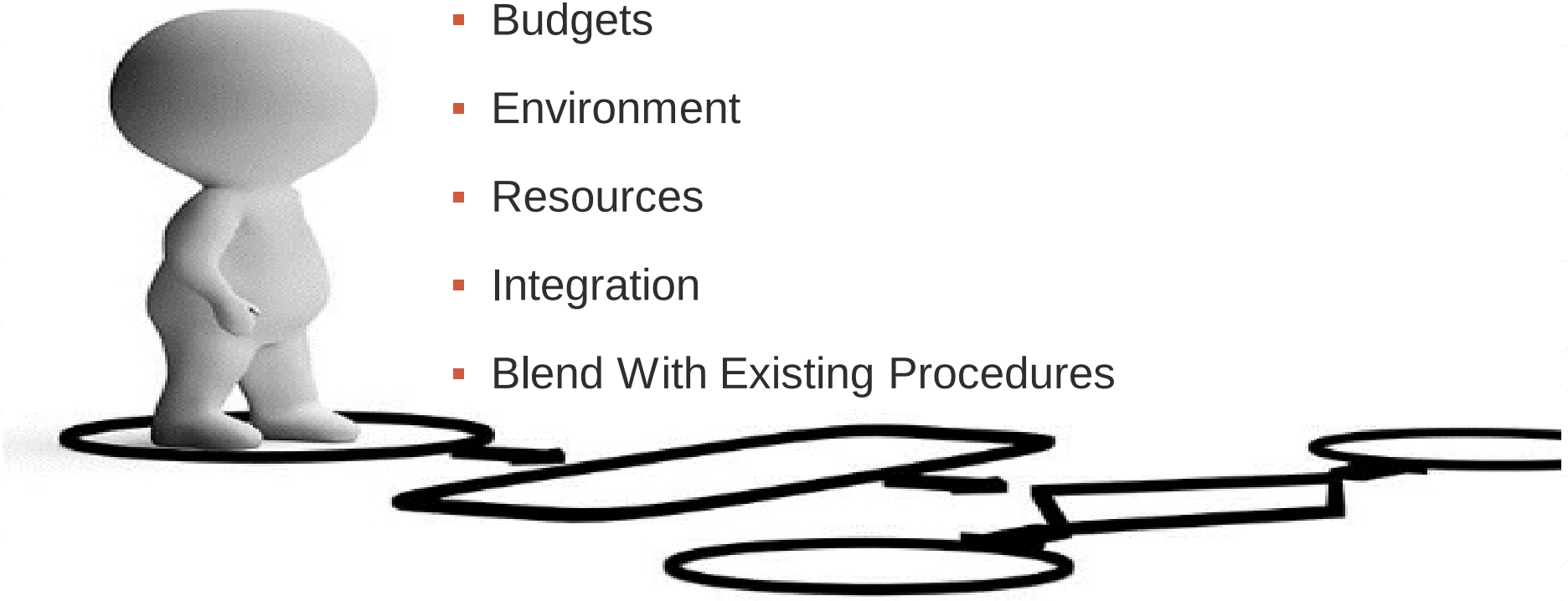
Security Operations Center Challenges And Implementation

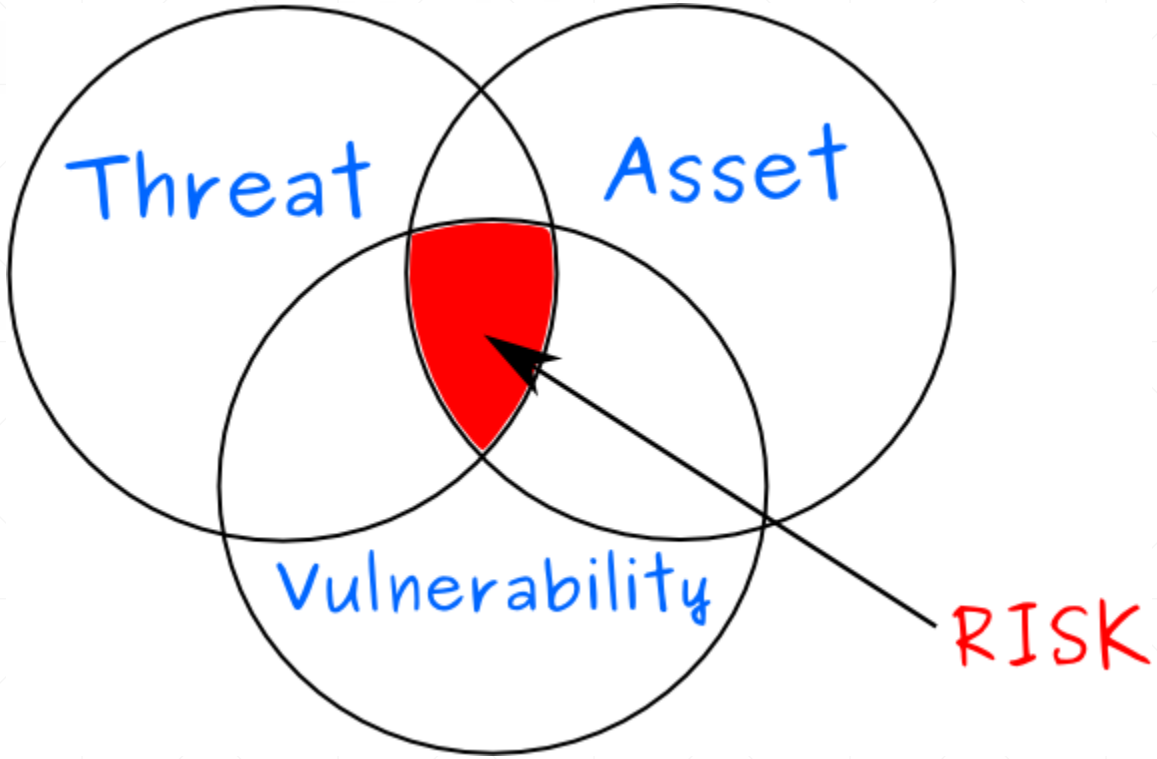
Challenges

- Management Support
- Budgets
- Environment
- Resources
- Integration
- Blend With Existing Procedures



Approach

- Risk Assessment.
- External Security Audit.
- Cybersecurity Steering Committee.
- Site visits.
- Develop SOW.
- Bidding.
- Awarding.



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Triad Of Security Monitoring

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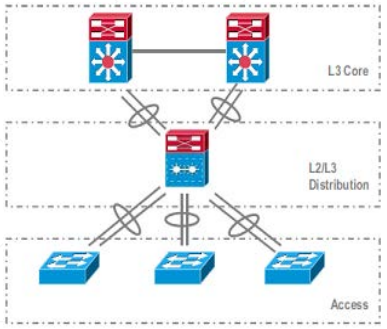
Focus Areas



Network Infrastructure

SIEM

ERP Servers

IT Infrastructure Servers

Security Appliances

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Service Catalog

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Security Operations Center Challenges And Implementation

Building SOC As a Project

- Planning and Design
- SIEM Implementation
- SOC Security Framework Development
- Man power deployment
- Live Operations
- Tuning And Continuous Development

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Manpower Selection

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Modes Of Operation

Outsourcing

Co-sourcing

Insourcing

Thank you