

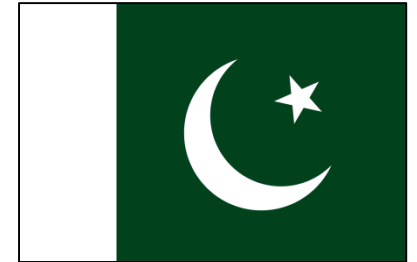


Software Security Transformation

Nahil Mahmood
CEO, Delta Tech

Quality software is
secure software

Pakistan's Security Posture



Reactive

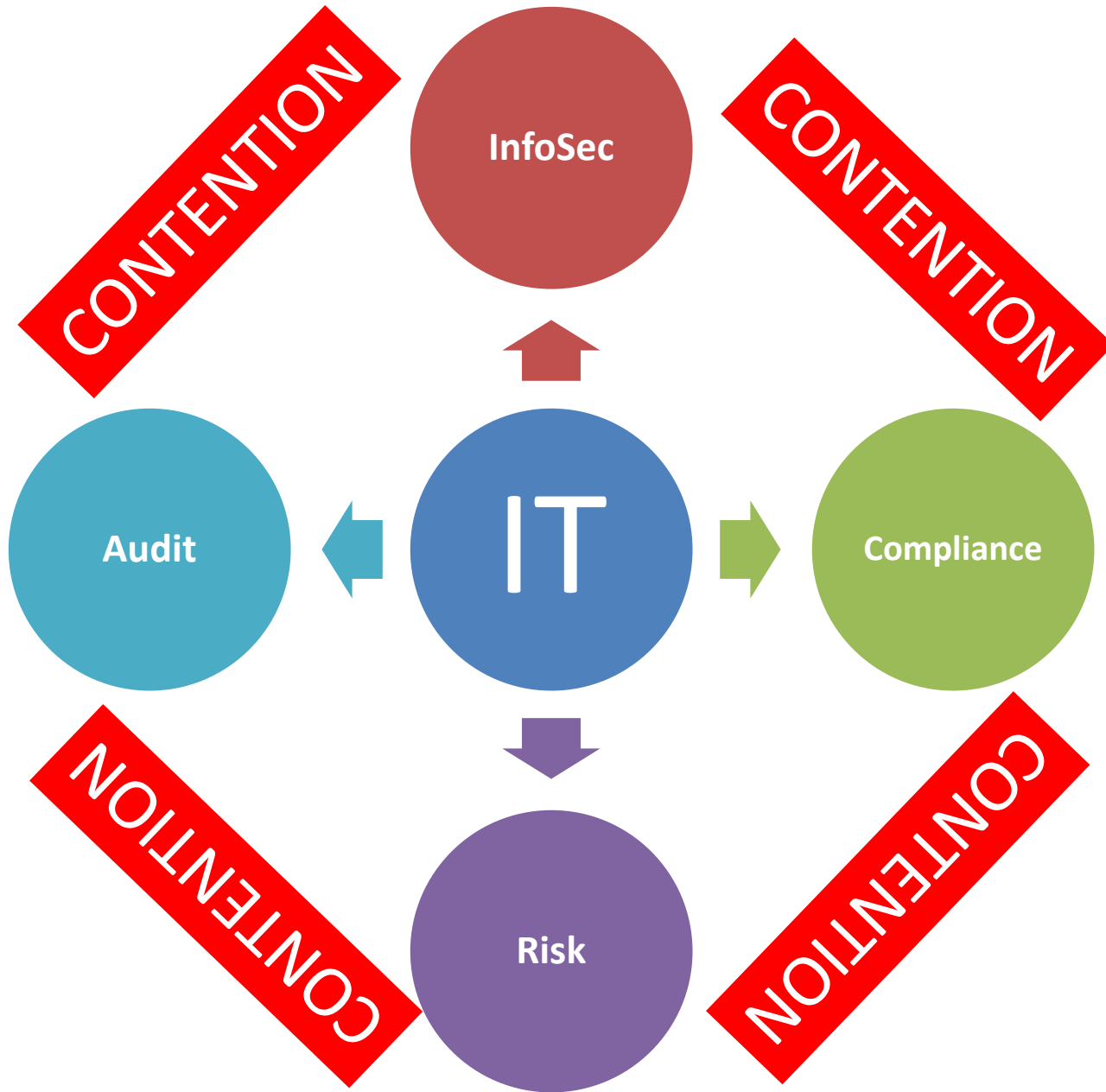
Superficial

Contentious

Governance Overkill

DENIAL

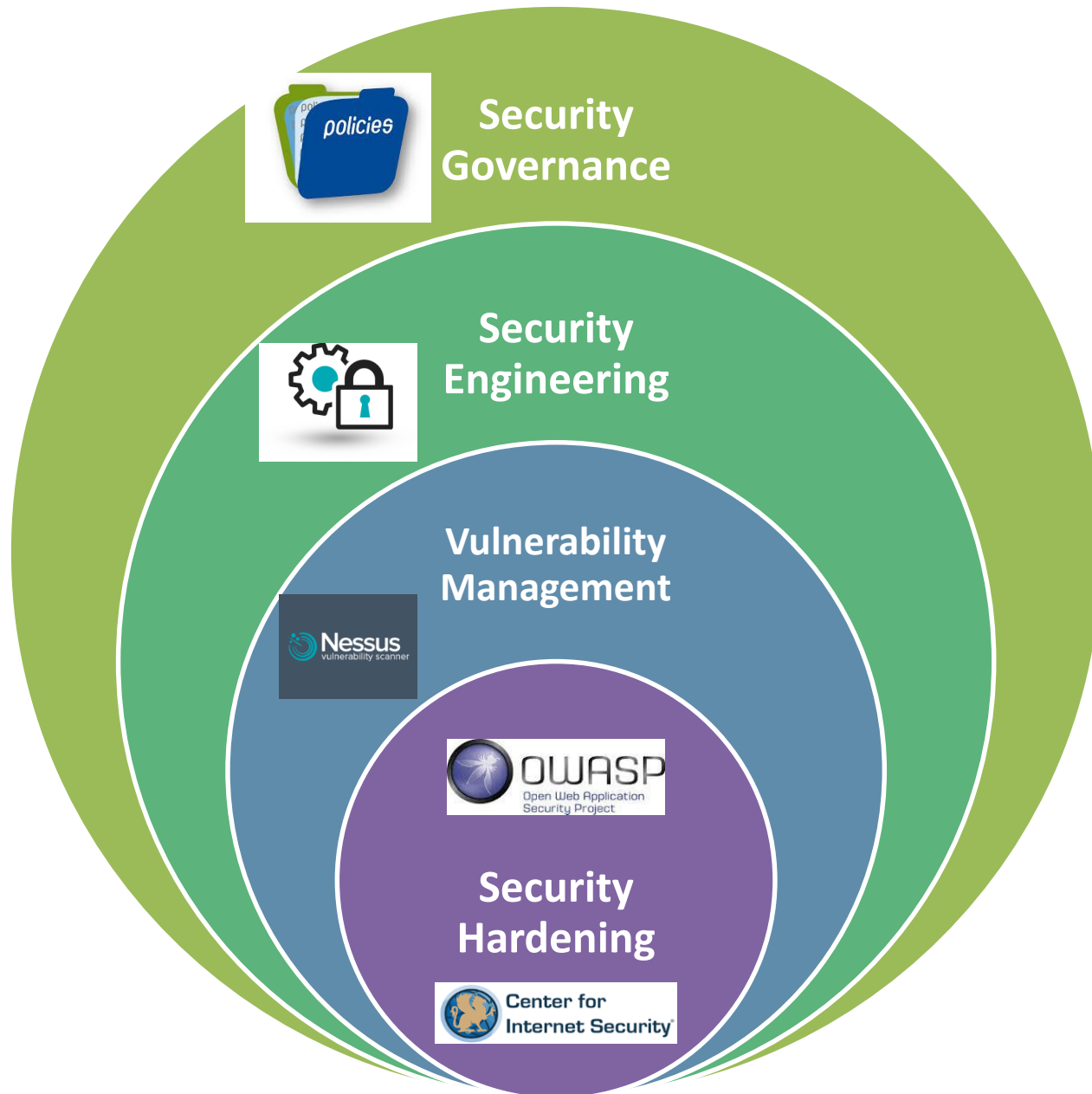
Information Security: Ground Realities



Security

Transformation

4 Layer Transformation Model



Transformation Project Tracks



TRACK 1: IT INFRASTRUCTURE

TRACK 2: CORE ENTERPRISE ERP

TRACK 3: OTHER SOFTWARE (INTERNAL/EXTERNAL)

TRACK 4: DESKTOPS & BROWSERS

TRACK 5: VULNERABILITY MANAGEMENT

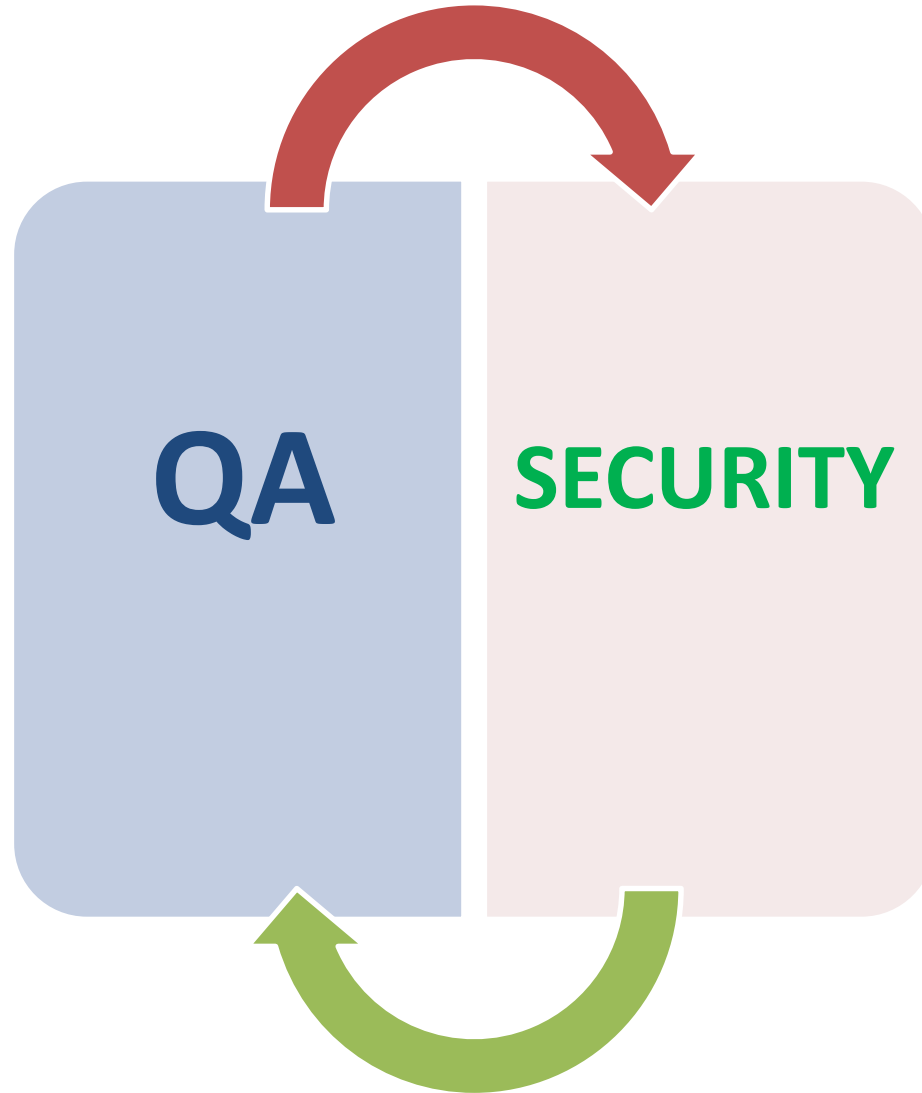
TRACK 6: MOBILE SECURITY / BYOD

TRACK 7: ISMS DOCUMENTATION & PROCESSES

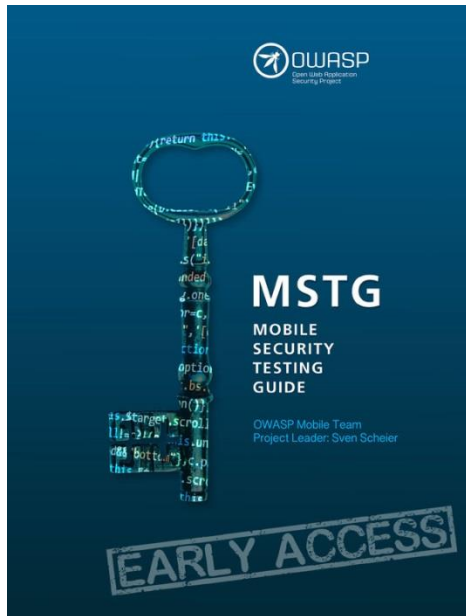
Software Security Program

1. Select **Controls**
2. **Pilot** Project
3. **Validate** Controls
4. Automated /Manual **Testing**
5. **Penetration** Testing
6. **Change** Management
7. **Production**

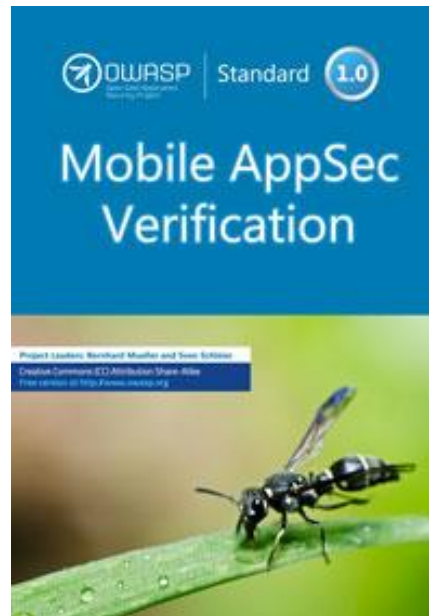
Software Security [Testing]



Software Security Resources



MSTG



MASVS



SAMM

SAMM-2

SAMM Overview



SAMM-2

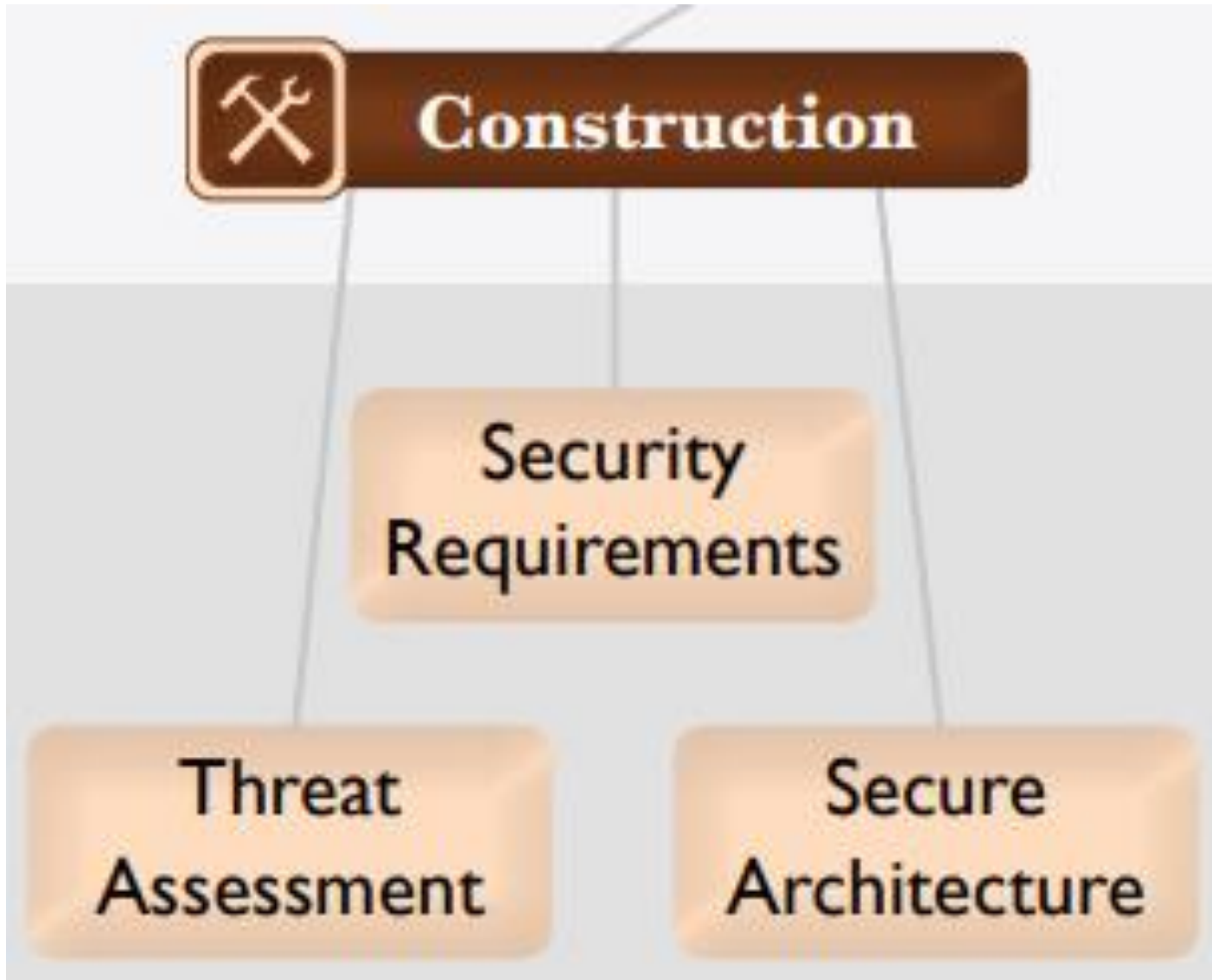


OWASP

The Open Web Application
Security Project



SAMM-2



SAMM-2



OWASP

The Open Web Application
Security Project



Verification

Design
Review

Security
Testing

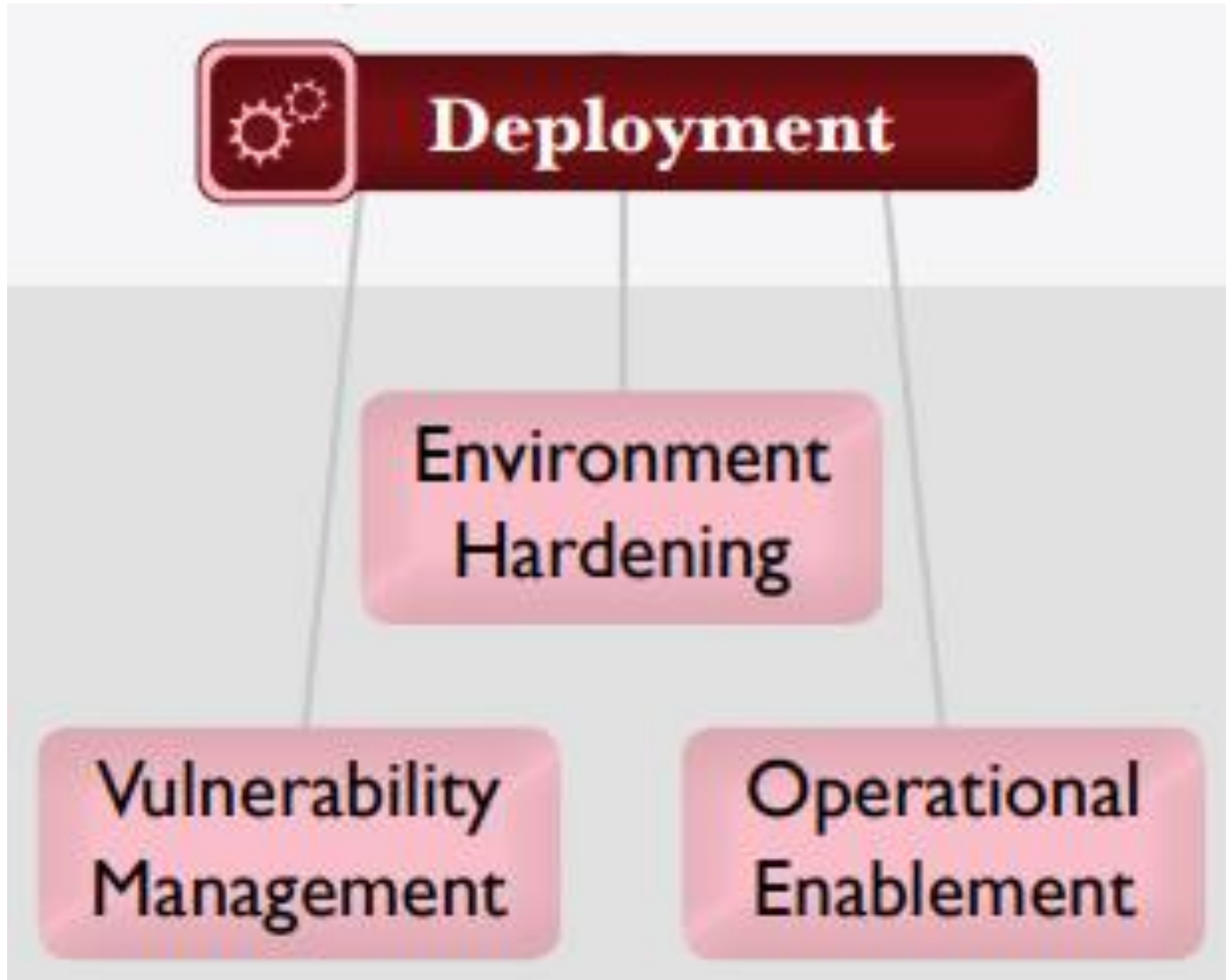
Code
Review

SAMM-2



OWASP

The Open Web Application
Security Project



Conclusion – Software Security Transformation

- Committed software **security program**
- **Merge** software security & QA
- Practical **frameworks** and **tools** available
- Education, training, **learning**
- Security **leadership**



Thank you !

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