

Deloitte.



**Powering growth
through smart cyber**

You build. We secure.

Risk Advisory ●

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Secure Software Enablement (SSE)

Secure Software Enablement (SSE) focuses on building secure applications by integrating risk based requirements, automated analysis, and secure coding into the development work stream to optimise speed and value.

Deloitte's SSE is a step ahead as it provides more than just test findings reports. Our unique value lies in providing assistance to identify and remediate exploitable security defects. We have secure software developers teamed with experienced analysts having years of experience in deploying, integrating, and operating the leading testing technologies.



Key challenges faced by organisations

Some of the typical issues encountered are:



Lack of timely, risk-based identification and remediation of security vulnerabilities throughout the life-cycle



Lack of know-how on security architecture review



Lack of adequate pre-production functional security testing, dynamic testing and penetration testing methodologies



Discontinuous vulnerability monitoring

Key differentiators of Deloitte's SSE



Integrated

- Solves operational application security needs to integrate information security, risk management, and application development functions.
- Bridge the gap between these functions and provide reusable remediation strategies without disrupting the software development cadence.



Business relevant

- Vulnerabilities relevant to managing business risk is prioritised.



Risk-based

- Application security efforts align with defined risk factors that impact impacting the client, including the threat landscape and regulatory compliance.



Flexible

- Application development is a continuous process. An efficient and effective security is integrated and supplemented with these processes without causing a disruption or a delay.

Benefits

01

Knowledge of threat landscape

02

Prioritization of investments

03

Increased compliance

04

Effective incident management

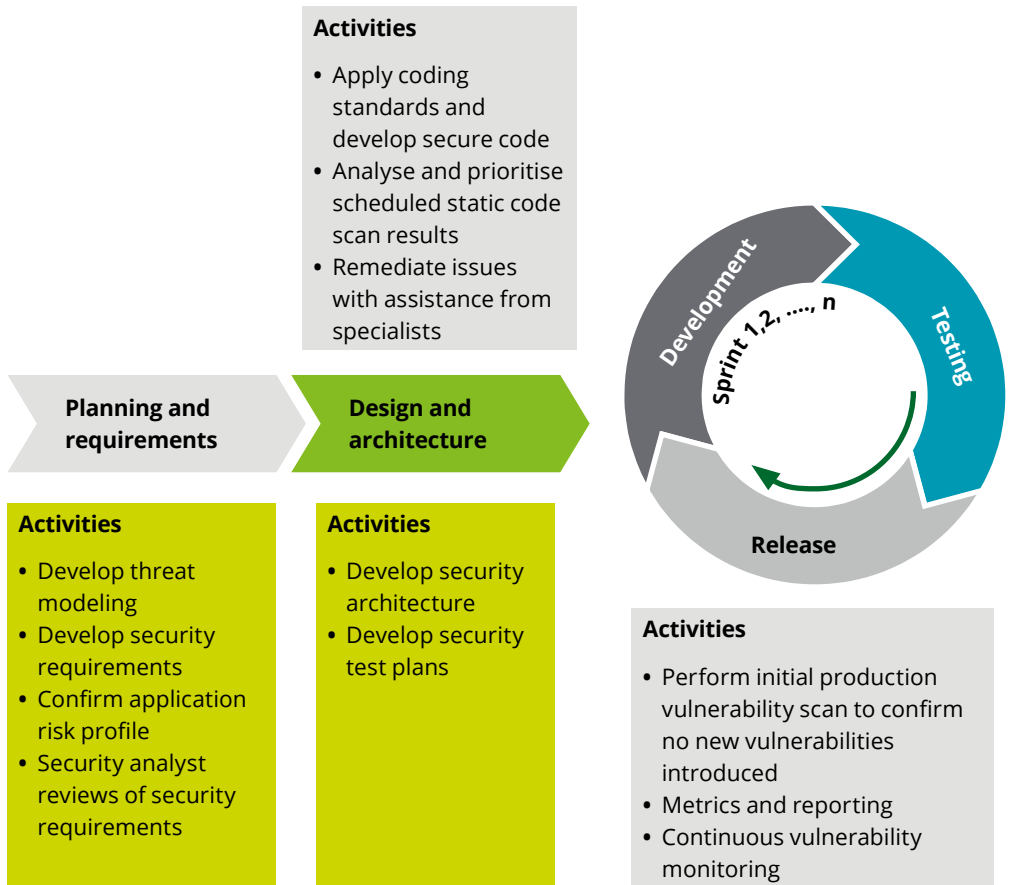
05

Increase in ROI



Secure Software Enablement lifecycle model

Deloitte's SSE life cycle enables software security activities throughout the standard software development lifecycle by providing timely, risk-based identification and remediation of security vulnerabilities.



Additional activities will be performed by the managed service.

Two gate checks must be adhered to:

01. Design and Architecture - Security architecture and security requirements with approval by security team
02. Sprint Testing - Security testing and exception must be completed and risk management plan in place

Activities

- Execute security test plans



Testing

Production

Maintenance

Activities

- Execute security test plans

Gate Check

- Security testing and exception completed and risk management plan in place

Activities

- Perform pre-production functional security testing, dynamic testing, and penetration testing

Activities

- Application security recertification
- Perform periodic vulnerability and penetration testing
- Initiate corrective actions for newly discovered issues and managed to disposition

Performed in every sprint

One time activity

Secure Software Enablement managed services approach



Framework



- Delivery management
- Governance
- Organisation
- Technology
- Processes



Operations and Management



Software risk analysis



Board level reporting and metrics



Talent management



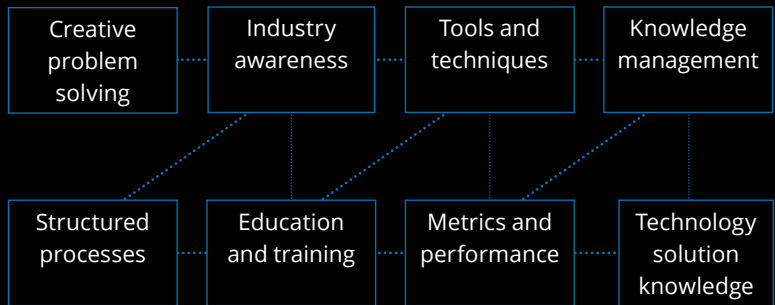
Solution coordination



Standards and governance



Key Practices



Client Value

- Structured delivery
- Proactive services delivery
- Speed to value – value to the organisation on day one
- Subject matter expert—availability
- Best practices application
- Reduced cost of recruiting/training employees to perform security task
- Benefit from lessons learnt
- Industry focus
- Reduced cost of licensing testing tools
- Ability to scale to demand (up or down)

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Secure Software Enablement (SSE)



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