

# Secure by Design

## Mitigating risk from inception – the Secure by Design approach

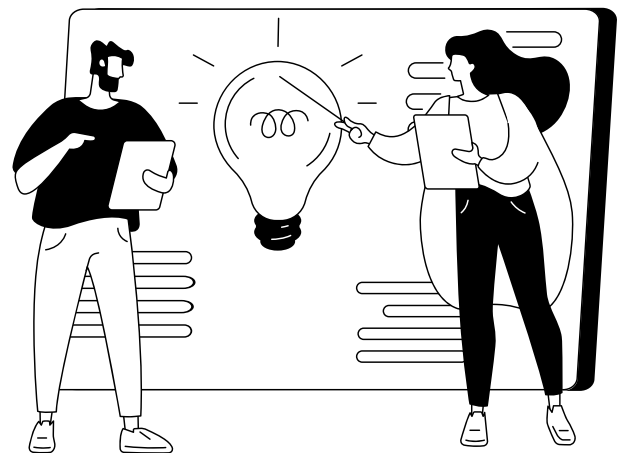
### Challenge

Security risks, data leaks, and other cyber incidents pose significant threats to organisations. Vulnerabilities in software and digital products can expose the organisation to attacks. Proactively embedding security measures from the outset and throughout the development lifecycle is essential to mitigate these risks efficiently and cost-effectively.

### Service Overview

Secure by Design brings systematic change to the product and service development process by prioritising security from the outset, with threat and risk guiding controls and testing. Through collaboration with stakeholders and developers, controls are tailored based on risk, enhancing project understanding and reducing security incidents. This approach mitigates financial losses, reputational damage, and legal liabilities, while also improving software quality and reliability.

Ultimately, Secure by Design saves time and money by preventing security issues upfront. It also builds trust among users, customers, and stakeholders, ensuring compliance and adaptability to evolving threats, thereby reducing boardroom bandwidth spent on cyber.



Enhancing the trust and confidence of users, customers, and stakeholders, who expect the software to be secure and protect their data and privacy

## Service Features

- 1 Adoption of Secure by Design principles into working practices
- 2 Strong understanding of compliance landscape/ security requirements throughout project life-cycle
- 3 Security controls and requirements embedded at project initialisation
- 4 Tailored hardening, balancing Threat Intelligence with business need
- 5 Review/implement secure-coding into dev. pipelines, mitigating error/vulnerabilities with tooling
- 6 Security testing identifying realistic, probable key threats before deployment
- 7 Tracking of security posture/maturity within the evolving threat context

## Benefits

- 1 Respond to evolving cyber threats
- 2 Reduce cost of deployment/rework/incidents through proactive early security management
- 3 Reduced security risk by raising awareness and rigour in assurance
- 4 Create compliant and audit ready products/ services and environments
- 5 Faster deployment of change
- 6 Improved customer satisfaction, brand reputation, and trust
- 7 Enhanced through life secure capabilities, that accrue less security debt

