



DXC Technology

Application Security

G-Cloud 15

Service Definition Document

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1 Service Overview

The DXC Application Security service helps organizations protect applications in their IT ecosystem against cybersecurity threats and helps maintain compliance.

Applications have proliferated to meet the growing requirement for seamless, secure and quick access to information. This has radically transformed how organizations operate and how they create new opportunities. Applications have now become a vehicle for information exchange.

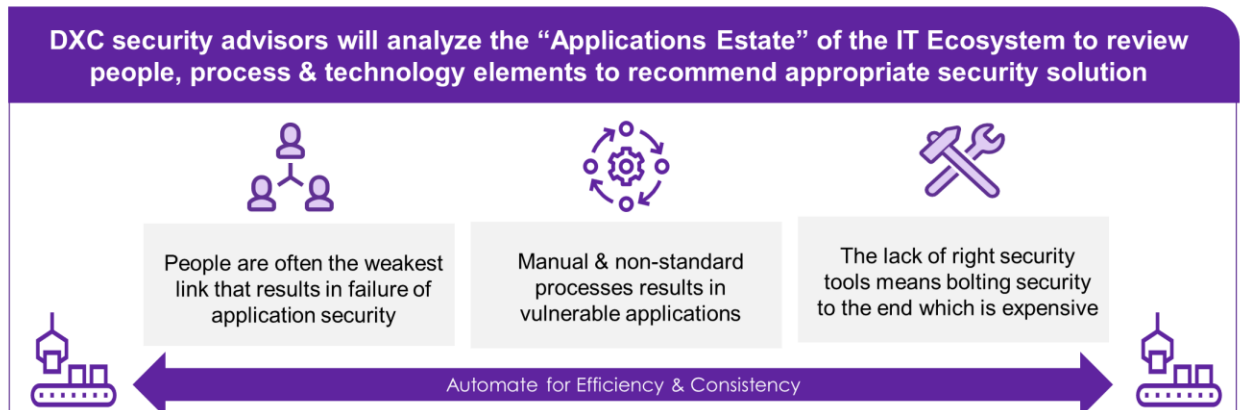
Per regulatory requirements, organizations must exercise due care when developing, designing, selecting and using applications — to ensure compliance with security practices and to protect applications.

Application Security



The state of Application Security is much complex in the new world. Applications are to be ready to market at a faster pace than ever before. Cloud, OSS, Supply Chain & DevOps has further accelerated the velocity at which applications are developed and deployed.

Applications remain a top attack vector for threat actors; DXC offerings help organizations in their pursuit of application Security.



2 Service Description

DXC's Application Security service, based on an adaptive, prevention-first framework, designs solutions that align with your specific technology environment and information security management framework.

2.1 Service features

The DXC Application Security service includes the following key features:

1. **Enable visibility and transparency** of application security posture risk management in the IT ecosystem
2. **Maximize and enhance security investments** by consolidating, standardizing and integrating application security into information security risk and compliance management strategy
3. **Leverage automation** for application security practices, to be **in step with velocity requirements** and goals of modern applications
4. **Provide risk-based continuous assessments** throughout code progression, based on a policy framework that helps discover issues early, allows adequate time for remediation and reduces security risk.
5. **Enable auditability** with proprietary frameworks based on industry standards, such as the U.S. National Institute of Standards and Technology Secure Software Development Framework (NIST-SSDF), Building Security In Maturity Model (BSIMM), Open Worldwide Application Security Project Software Assurance Maturity Model (OWASP SAMM) and the BSA Framework for Secure Software (BSAFSS)
6. **Reduce remediation costs, security risks and liabilities** by providing a secure path from code to deployment
7. **Adaptive solution** tailored to fit each customer's technology ecosystem
8. **Automation and intelligence** to transition from DevOps to DevSecOps
9. **Threat modeling** to identify threats, attacks, vulnerabilities and countermeasures, so as to meet security objectives at early stage of SDLC
10. **Continuous security assessment** of applications code, build and runtime environments, to identify potential security issues

2.2 Service benefits

The DXC Application Security service includes the following key benefits:

1. **Improves security** through visibility into application security posture management
2. **Meets or exceeds response time** requirements through intelligent automation
3. **Maximizes security investments** through integration with existing issue management frameworks and information security frameworks
4. **Enhances compliance** through continuous security assessments
5. **Enables auditability** through industry standards framework
6. **Reduces post-deployment remediation costs**, security risks and liabilities of applications

7. **Risk prioritization** to support remediation management and reporting

2.3 Service constraints

Does your service have any constraints that buyers should know about?

2.4 Value Proposition for UK Public Sector

Based on an adaptive, prevention-first framework, DXC Application Security offers the flexibility to choose from standard or tailored services:

- Integrating security services into the development life cycle, via SAST/SCA, DAST and penetration testing
- API security — automated discovery, attack protection, posture management, threat detection, and fraud and bot security
- Application security architecture review and threat modeling at early stage of SDLC
- Security testing of packaged apps and SAP apps
- Mobile application security testing

3 Application Security As-A-Service

3.1 Application Security As-A-Service

DXC will manage this for you with its experienced advisors to secure applications and optimize economics so that you can focus, innovate and deliver on your primary business objectives.

Challenge

- The technology evolution of Cloud, DevOps, OSS & Supply-chain has fragmented the application security view across the enterprise IT ecosystem or landscape.
- Application security integration into overall security operations & organization risk management framework (versus app scans in silos) to meet contract obligations and regulations is apprehensive & concerning.
- The investment into people, process & technology to develop & maintain application security subject matter expertise is expensive and is not the core business focus of the firm.

Solution

- DXC Application Security As-A-Service will design, implement & manage a way to consolidate application security view across the enterprise IT estate.
- DXC solution will work with security operations, threat hunting & organization security risk management teams to integrate Application security telemetry into standards for assurance and consistent risk treatment.
- DXC service will bring in expertise in terms of people, process and technology to operate and maintain application security subject matter to compliment and optimize economics.

Results

- Consolidated visibility of application security view across the enterprise IT estate that is easy to use which enables to assess, prioritize and remediate application security risks.
- DXC solution will enhance assurance by integrating application security telemetry into existing organization framework to meet contract obligations and regulations.
- DXC as-a-service means savings on capital expenditure on IT, investment on people to procure & maintain application security subject matter expertise & pay-as-you go will cut down on licensing fees of software.

3.2 Application Security Vulnerability Management (ASVM) Using Fortify SaaS OnDemand

The ASVM service from DXC caters towards organizations wider security strategy of continuous vulnerability scans to pick up on new and emerging cyber threats; in terms of proactively identifying & remediating vulnerabilities in the applications ecosystem within the IT landscape

Why ASVM

- The ASVM service helps organizations **CISO to gain** proactive **continuous visibility** to application security risks posture.
- DXC ASVM service enables organizations to **align to regulatory compliance, Industry standards & best-practices**. For example, GDPR article 32, CIS section-7, ISO 27001 etc.

What's the value DXC Service will offer?

- Industry Leading Coverage: The ASVM service from DXC will include static & dynamic scans in offer using MF Fortify. Static scans covering about 27 languages & 810 unique vulnerability categories & dynamic scans covering 250.
- Accuracy of Scans: The service powers **100% true positive rate with static scans** and **95% reduction in false positives** in the OWASP benchmark
- Organizations can focus to innovate and deliver on their primary business objectives while DXC experienced advisors will take care of securing applications.

3.3 Application Security Vulnerability Management (ASVM) Using BurpSuite Enterprise

Why ASVM

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What's the value DXC Service will offer?

- Industry Leading Coverage: The ASVM service from DXC will include dynamic scans in offer using BurpSuite Enterprise. Dynamic scans cover about 160 unique vulnerability categories.
- Accuracy of Scans: The service powers **reduction in false positives** as relating to OWASP common vulnerabilities
- Organizations can focus to innovate and deliver on their primary business objectives while DXC experienced advisors will take care of securing applications.

4 Case Study

4.1 DXC Application Security (as a digital immune system) — in action

A leading global insurance company wanted to enhance the digital experience for its customers and employees. The company was seeking a solution/platform that would support opening its core market services to plug-and-play, mix-and-match services. This would benefit customers and end users through rapid deployment of new features and multichannel secure technology solutions.

DXC implemented a **Digital Immune System** (DIS) for the core platform to support rapid secure development and deployment for the insurance company's new, transformed market services.

With security integrated into the DevOps environment, the DIS delivered:

- Faster time to market — with automated digital assurance
- Cost savings — by identifying and fixing vulnerabilities early in the code progression pipeline (fixed more than 50% vulnerabilities over the past year by collaborating with app owners)
- Higher quality and more secure code as a result of guardrails for visibility and actions in the development pipeline
- Stronger collaboration through empowering stakeholders to collaborate effectively in a prevention-first culture
- Active support of apps team in migrating applications from on premises to cloud while maintaining the apps' security posture

About DXC Technology

DXC Technology (NYSE: DXC) is a leading global provider of information technology services. We're a trusted operating partner to many of the world's most innovative organizations, building solutions that move industries and companies forward. Our engineering, consulting and technology experts help clients simplify, optimize and modernize their systems and processes, manage their most critical workloads, integrate AI-powered intelligence into their operations, and put security and trust at the forefront. Learn more on dxc.com.

Every day we deliver excellence for our customers and colleagues. We use the power of technology to deliver mission-critical IT services that move the world. Our customers entrust us to deliver what matters most. We are DXC.

An Employer of Choice

We inspire and take care of our people. We work to create a culture of learning, diversity and inclusion for all our people to grow and reach their full potential.

A Trusted Technology Partner

We understand technology and are committed to delivering excellence for our customers.

A Company that Cares

We are committed to improving the communities in which we live and work. We are good stewards of our company, our customers and the world.

Deliver Mission Critical

We deliver the mission-critical IT services that move the world.

Entrusted to Deliver

Every day, we earn our customers' trust by delivering transformative technologies to ensure the success, safety and well-being of businesses and people worldwide.

Delivery Excellence

Our delivery excellence gives planes flight, helps patients heal, and increases the scale and speed of commerce.

Deliver What Matters Most

We are proud of the work we do and the trust and confidence our customers place in us to deliver what matters most.

Learn more at

<https://dxc.com/us/en/offerings/security>