SiXworks
an IBM Company

Secure by Design (SbD) Cloud Cyber Security Services

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Secure by Design (SbD)
Cloud Cyber Security Services

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1. Introduction

SiXworks (6W) is a leading provider of secure digital solutions, specialising in digital experimentation and focused on fail-safe-fast cutting-edge technology solutions deployed in highly secure environments. We are unified in our mission to accelerate innovation and adoption of secure, digital technology to improve the operational agility of Defence and National Security.

As an end-to-end digital innovation and delivery partner, we solve the most complex and critical customer challenges. Our expert team brings together decades of experience in delivering innovative technologies, best-in-class cyber security expertise, and a rapid, agile delivery model to deliver game-changing solutions. We are a collaborative company, fully prepared to work flexibly in the pursuit of customer outcomes and benefits.

We pride ourselves on our ability to turn our customers' visions into reality and focus on supporting those with demanding security, assurance, and privacy requirements. We advocate for high assurance, Zero Trust, and Data-Centric architectures, which provide maximum protection against cyber threats. We also bring market-leading technical expertise to the design and delivery of cross-domain solutions, which manage the assured transfer of data between different classifications and trust categories.

We invest in a skilled, collaborative, and adaptable team with a mix of technical and customer domain experience. Our areas of expertise include Secure-by-Design, cloud computing, advanced network and infrastructure design, rapid application development, cross-security domain systems, multi-tenanted High-Performance Compute, multi-source data platforms, cyber vulnerability mitigation, and intelligence systems. We provide supplier-agnostic, technical, and business consultancy to customers while championing open-source and best-of-breed technologies.

Our constructively-disruptive approach drives new technology and approaches through to delivery. We have crossed the well-known "Valley of Death" from Proof of Concept to Live service, demonstrating our ability to deliver quality solutions. Our outstanding reputation, built on trust and vetting, is the reason why our customers have full confidence in the services we provide.

Our focus

- Delivering Secure by Design, innovative ICT solutions, tailored to requirements and budgets
- Technical consultancy for Government, High Threat/Risk, Critical National Infrastructure, austere/challenging environments and demanding Regulatory and Compliance environments

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Security We Deliver

- Secure by Default Cloud Computing (Public, Hybrid, Private)
- Software Defined Platform, Infrastructure, Networks, Platform Ecosystems
- Mobile device and platform security
- Operations in Specialised and Disadvantaged Environments
- Cross Boundary Security, Security Enforcing Functions and Gateways
- Multi-Tenancy and Multi-Tier, Tiered and segmented architectures
- Identity and Access Management including Multi-Factor Authentication

Our Approach

- Vendor Neutral Technologists
- Commercial First - Buy before Build where possible
- Practical, minimal complexity, fast into use
- Exploit mature and trusted Next-Generation technologies

Our Pedigree

- Current, in-depth, UK and international, operational and leadership experience in Government Security, Intelligence and Defence
- History of successfully designing and delivering secure cloud services at: OFFICIAL, SECRET, and TOP SECRET
- Experts in assuring solutions to government and defence standards (e.g. Secure by Design) and to any delivery framework (Waterfall, Agile, etc.)
- Core offerings include Threat, Vulnerability and Information Security Analysis; Enterprise, Solution and Security Architecture; Information Assurance, Accreditation, Design, Integration and Prototyping; Requirements, Project and Programme Management
- Our Qualifications profile includes certified experts, professionals, risk advisors and practitioners; CCP, CISM, CISSP, CCSP, ex-CLAS, CCSK, IET, IEEE and BCS Fellows, Chartered Professionals, Chartered Engineers and Members

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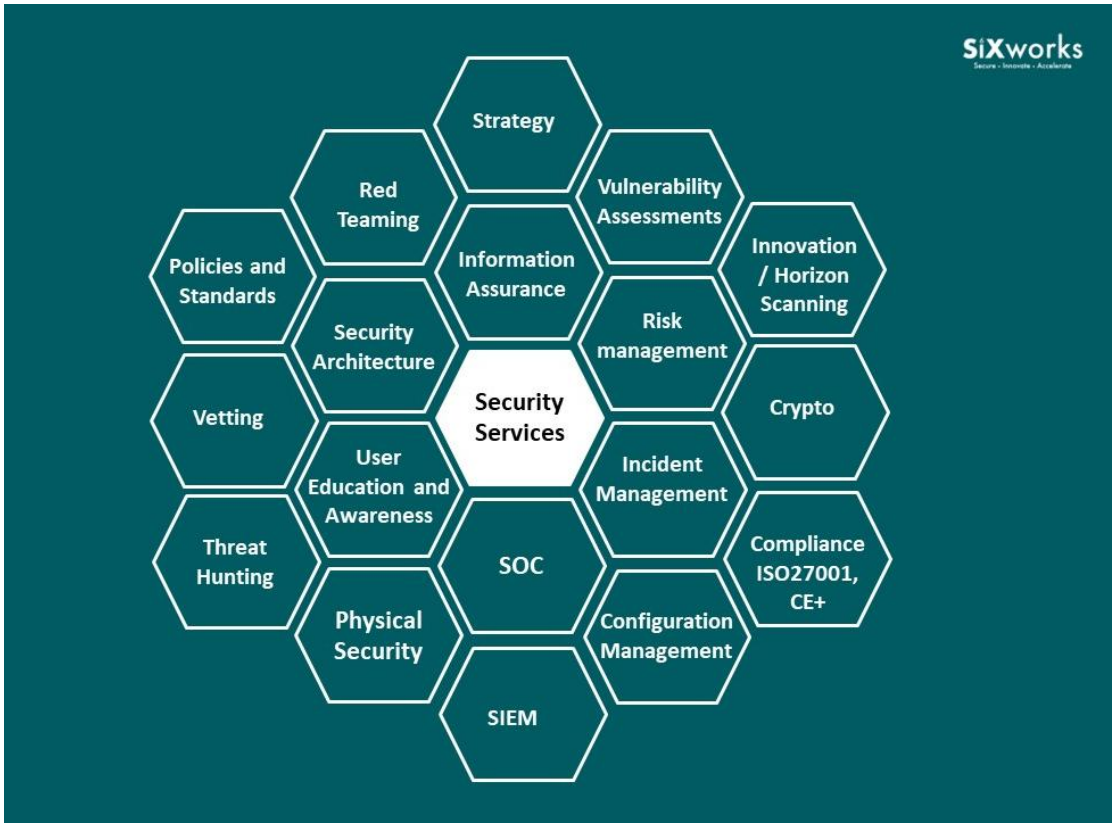
2. Service Description

SiXworks Cyber Security services for cloud-based delivery, provides Information Assurance and Security services that includes security architecture, certification, accreditation and assurance for HMG departments, the MOD, large system integrators and cloud service providers.

We translate the needs of your organisation to assist with the development, operation and support of security solutions for your Zero-Trust and Data-Centric cloud applications that can be hosted in different cloud providers including AWS, Azure, GCP and UKCloud.

We will assess your current environment and identify where savings can be realised and improvements made by new solutions or by transitioning legacy applications and data to a Cloud or hybrid solutions. We will help you design cloud solutions with the features you require: high availability, security, scalability, performance, reliability and redundancy.

Our Services are provided below:



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Features

- Cloud strategy, architecture and road map development
- Security Architecture
- Secure by Design Assurance
- Risk Management
- Information Assurance
- Designing and implementing secure solutions
- Hybrid cloud architectural solutions
- Design review and assurance
- Security Strategy
- Security Transformation

Benefits

We understand the security strengths, weaknesses and opportunities of Cloud solutions enabling us to:

- Design secure solutions – reduce the need for reactive/post-release security interventions
- Understanding the security of your solutions – enhancing risk and subsequent decisions relating to them for your organisation, saving resources in the long term
- Get the expert advice to meet your business needs
- Design hybrid solutions incorporating cloud and on-premises IT services
- Maximise utilisation of Cloud capabilities to deliver business value
- Agile DevOps capabilities: build, test, deployment
- Perform gap analysis and generate necessary roadmaps to enable cloud adoption.
- Make use of leading-edge innovation and research to bring technology interventions over the valley of death into a live production environment
- We bring expertise in Defence public and private cloud solutions.

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3. SiXworks Credentials

Our Staff

Our services are delivered by a highly professional and experienced team. We have a track record in delivering secure solutions into the public sector and a key aspect of our ongoing development is alignment with the Governments ICT agenda.

Our Security consultants have worked across multiple government organisations including MOD, Police, Home Office, Cabinet Office, Dstl and FCDO.

We have Designed, Developed and Implemented fully accredited Systems meeting rigorous standards including HMG Accreditation. We have assisted our customers in deploying secure products that have met CAPS Evaluation.

Our Qualifications profile includes certified experts, professionals, risk advisors and practitioners; IET, IEEE and BCS Fellows, CCSK, NCSC CCP, Chartered Professionals, Chartered Engineers and Members.

Our Capabilities

As well as providing vendor-agnostic advice and guidance, we have significant expertise in in the security of multi-vendor solutions and the use of cloud services.

Security Planning, Migration and Assurance: SiXworks have a proven track record of enabling organisations to evolve to secure, cloud-enabled networks and will use that to further support your organisation’s growth. Security will be integrated and proactive by nature, resulting in greater resiliency and trustworthiness in organisations. This can subsequently be supported by assurance services to ensure security posture is maintained or improved over time.

Innovation and Experimentation-led, establishing high-assurance and interoperable systems for commercial benefit and growth with innovation at its heart. SiXworks will ensure solutions designed and developed can adopt the latest technologies, ensuring maximum advantage for security and functionality.

Ongoing Security Consultation and Support to complex programmes within government. Delivering modern solutions in challenging environments with stringent security requirements.

Risk Management: Our team of highly experienced and qualified professionals will work collaboratively with the organisation to ensure the context of the problem is understood, risks are managed and mitigation plans are generated to ensure they align with the organisation’s risk appetite.

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