SiXworks

SiXworks G-Cloud Services

Rapid, Secure Cloud Service
Design and Development

G Cloud 14

Secure by Design

SiXworks

Secure · Innovate · Accelerate

G Cloud 14

Fail Fast Fail Safe Cloud Service Design and Development

Contents

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 and demanding Regulatory and Compliance environments

Where we work

- Principally in Government mission and business environments

- 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

- Zero-trust and Data Centric Security development

Our Approach

- Vendor Neutral Technologists

- Commercial First - Buy before Build where possible

- Practical, minimal complexity, fast into use

- Exploit mature and trusted Near-Generation technologies

Our Pedigree

- Current, in-depth, UK and international, operational and leadership experience in Government Security, Intelligence and Defence

- 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

- Designed, Developed and Implemented Fully Accredited and Evaluated Products and Systems Meeting Rigorous Standards including HMG Accreditation, CAPS Evaluation, Common Criteria EAL4+ and FIPS 140

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

2. Service Description

Rapid demonstrator and study-based development to provide opportunity and risk analysis in highly secure environments. Design and development of secure digital mission and business services. Emphasis on zero trust and data centric secure cloud, cross-domain, collaboration, data and AI analytics and case management using latest technologies and concepts, using comprehensive architectural, assurance and accreditation disciplines.

Our Services are shown in the diagram below:
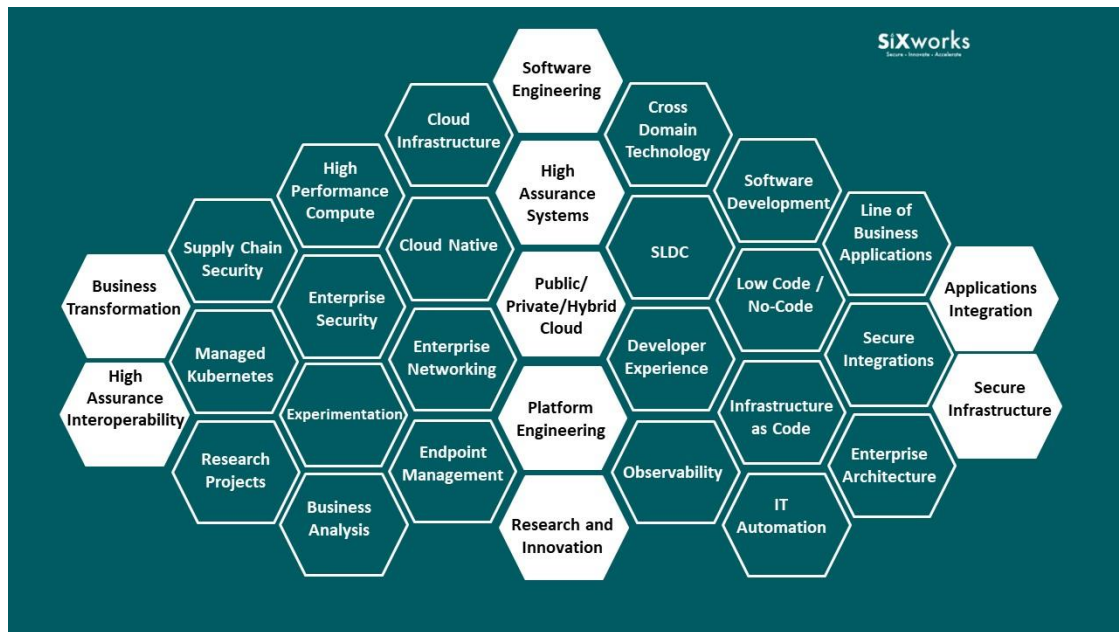
Features

- Cloud strategy, Architecture and Road Map
- Design and Development of Demonstrators and Proof of Concept Prototypes
- Using Agile Development Techniques with close and continuous customer involvement
- From Concept to Accreditation-Ready systems using a Pragmatic, Appropriate and Cost Effective (PACE) model
- Service Management – Cloud Service aligned to Business Needs
- Security Architecture, Information Assurance
- Architecting solutions using Cloud and hybrid services
- Accreditation

Benefits

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

- Design secure solutions
- Learn by fail-fast fail-secure
- Understand the security of your solutions
- Understand the risks and how to treat those risks
- Ensure effective Cloud Deployments aligned to business needs
- 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, deploy

3. SiXworks Credentials

Our Staff

Our services are delivered by a highly professional and experienced team. All of our consultants are practised in delivering 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 and FCO.

We have Designed, Developed and Implemented Fully Accredited and Evaluated Products and Systems Meeting Rigorous Standards including HMG Accreditation, CAPS Evaluation, Common Criteria EAL4+ and FIPS 140.

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.

4. Further Information

If you would like to discuss this service, or any of the other services offered by SiXworks Ltd in the Digital Marketplace, please do not hesitate to contact us at:

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