

Crypto and Cryptographic Services for Securing the Cloud

Purpose:

To provide expert client-side support in the use of cryptographic approaches as part of the security architecture.

Overview:

Securing your information (whether at rest or in transit) when using cloud technologies is critically important. Actica has proven experience with recent crypto-related programmes in government such as JCKP. Actica provides expert resources who understand the constraints and culture of the defence and security sectors and their implications for securing C4ISR and business systems using cryptographic means. We can provide a holistic service across all Lines of Development (using TEPIDOIL or PPITF), by applying wider best practice alongside both agile and waterfall delivery processes and artefacts (e.g. CONEMP, URD, SRD, ITEAP, COEIA, OASP, SOC, OBC, FBC).

Actica is an NCSC Assured Cyber Security Consultancy and provides expert security advice on all aspects of information assurance and security, as well as having significant experience working with commercial and high-grade CAPS approved crypto. Our consultants include a number of UK Cyber Security Council Chartered Cyber Security Professionals (ChCSP), NCSC Certified Cyber Professional (CCP) and CISSP cyber security consultants and are fully conversant with the latest versions of all relevant standards, policy and guidance including Secure by Design. Our track record as trusted, client-side advisors to major Defence programmes means that we are able to blend our specialist skills with a practical understanding of the As-Is technical C4ISR environment. We have worked on major Defence network, application and infrastructure projects including at SECRET and above, e.g. OVERTASK/JACKDAW, EMPORIUM, MORPHEUS, Fixed Networks, IEP, NGCN, BRAMLEY and many others.

Planning:

- Design transition, migration and rollout strategies
- Provide tailored advice to defence and security applications
- All artefacts: CONEMP, URD, SRD, ITEAP, RAMP
- All artefacts: Strategic Outline Cases, Outline Business Case, Full Business Case (SOC, OBC, FBC)
- All artefacts: Cost Modelling, CAAS V&V, JSP 507 Investment Appraisal
- All artefacts: Operational Analysis, COEIA, OASP, Scrutiny and Approvals
- All artefacts: Enterprise, Solution, Technical, Infrastructure, Business and Security Architecture and Design
- Knowledge of relevant national standards (JSP 490 and 491)
- ChCSP, NCSC CCP and CISSP cyber security consultants ensure compliance with all relevant standards, policy and guidelines (e.g. ISO 27001, NIST CSF, Data Protection Act)
- SC- and DV-cleared project resources

Set-up and Migration:

- Develop and implement programme plans and roadmaps
- Plan transition and provide support to assist transition
- Provide best practice toolkit, including Scaled Agile Framework (SAFe), Managing Successful Programmes (MSP), PRINCE2, ISEB Business Analysis, Lean/Six Sigma and the APMG/Change Management Institute Body of Knowledge.

Related Security Services:

- Security Strategy
- Security Risk Management
- Security Design Cyber
- Cyber Security Consultancy

Effective cryptographic solutions rely on being appropriately deployed within a wider, effective security architecture. Our related security services can provide specialist input to ensure that this is the case and that users of cloud services receive the information assurance advantages of appropriately deployed crypto solutions.

Ongoing Support:

- Ongoing “Business as Usual” (BaU) support as required to ensure benefits continue to be realised
- Partnership working and skills transfer to enhance your capability

Information Assurance:

We can provide relevant data protection and privacy advice for services of any classification. We employ security cleared personnel who operate with information at all levels of the Government Security Classification Policy (GSCP). Our systems are approved to hold classified information.

Pricing:

This service is priced based on anticipated resource requirement. Resources will be charged in accordance with the agreed SFIA day rates. Two pricing options are available:

- Firm price. The firm price will be based on the anticipated resource requirements including provision for risk. Provision for travel and subsistence cost will be made. Payment will be required against achievement of agreed milestones. Details will be specified in a price quotation provided and agreed before service commencement.
- Limit of liability. The limit of liability will be agreed based on an anticipated resource requirement. Charges will then be made monthly in arrears against resource effort expended. A limit of liability will also be agreed to cover travel and subsistence. Travel and subsistence costs will be charged at cost monthly in arrears against cost incurred.

Service management details and constraints:

Our service is subject to ISO9001 certified quality controls. A lead consultant shall be appointed who will have responsibility for liaising with the client and managing the Actica team providing the required services. In addition a Project Authority will be appointed who is normally a Director within the Company who will act as the point of escalation. We support our clients on-site, via email or by telephone, during standard office hours and with a 1 business day response time to acknowledge support requests.

Data backup and recovery:

Where our staff use infrastructure and information provided by our clients, it is the clients’ policies and procedures that prevail. Ordinarily, our consultants are supported by our own infrastructure up to, and including OFFICIAL, and we have facilities for higher classification information to be received, stored and transmitted. Our consultants’ laptops and our corporate systems are backed up regularly and our corporate Disaster Recovery Strategy and Plan ensures that we are able to continue to provide services to our clients in any event.

On-boarding/off-boarding:

For all of our assignments we operate our standard on-boarding/mobilisation activities. At assignment closure, we undertake a review and ensure that skills have been transferred to client staff where appropriate.

Ordering and invoicing process:

Specific details of the clients requirement should be sent to cloud@actica.co.uk. Following discussions about your requirement Actica will send a fully priced proposal detailing the services to be provided. Once approved a valid purchase order should be sent to finance@actica.co.uk for processing. Once the work is completed and accepted by the client Actica will invoice the client for the work. Payment is expected within 30 days. We are able to use a range of electronic purchase and payment systems (e.g. CP&F).

Consumer responsibilities:

The Consumer should appoint a single point of contact for reporting purposes.

Contact Details

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