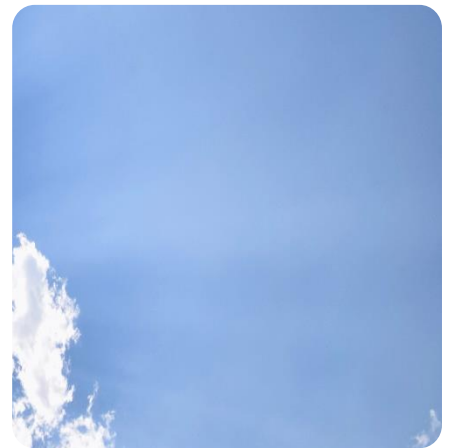




Crown
Commercial
Service



SOC Detect and Respond

GCloud Service Description

Bringing Ingenuity to Life.
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1 SOC Detect and Respond

1.1 Short Service Description

Security Operations Centres protect organisations against cyber threats, but the challenges of establishing an effective SOC which meets CAF criteria and reduces the real business risks are extremely complex. PA helps organisations design, implement and direct the operation of SOC's addressing a range of human, business and technical factors.

1.2 Key Service Features

1. SOC Procurement strategy definition and execution
2. Establishment and equipment of physical facilities
3. SOC target operating model definition, implementation and resourcing approach
4. Deploy Security Incident Event Management (SIEM) and Logging infrastructure
5. Satisfaction of Cyber Assessment Framework criteria for Detection and Response
6. Targeting monitoring and incident response process against business risks
7. Targeted use of proprietary and open-source threat intelligence
8. Apply vulnerability management to reduce technical risks
9. Management Information, governance, and performance management regime
10. On-going skills assessment and uplift

1.3 Key Service Benefits

1. Implementing compliance with Cyber Assessment Framework Detection and Response requirements
2. Approach explicitly addresses your organisations most relevant risks
3. Continuous uplift and measurement of security operations
4. Coherent coverage of in-house and cloud-based infrastructure
5. Genuinely supplier-neutral advice leading to optimal solution selection
6. Track record for successful delivery across government
7. Awareness of current Cyber Security marketplace and best practice
8. Approach balancing people, process, technology and culture
9. Improved data privacy and protection of key information assets
10. Addresses advanced persistent threat (APT), insider risk, and more

1.4 Service Definition

Our service provides you with the capability to deliver a SOC that ensures your organisation has the best defence against cyber-attack. We help organisations:

- Build an initial SOC capability, with the people, processes, facilities, information and tooling necessary to provide essential cyber security hygiene, protecting against the threats common to most organisations, monitoring both in-house and cloud-hosted infrastructure
- Design targeted uplift of that capability so it becomes ever more intelligent of the specific needs of the organisation, and evolves with the changing cyber threat environment, through a continuous improvement process
- Understand performance of existing SOC's, against organisational requirements and industry norms, diagnose and address any shortfall
- Assure the compliance of the SOC with the Cyber Assessment Framework

We can offer a range of implementation services supporting the delivery of change in Cyber SOC capability, including programme delivery management, procurement advice and assurance. All our advice is provided independently of any allegiance to suppliers of cyber security products and services, providing recommendations that are solely driven by considerations of what is best for your organisation.

1.5 Why PA?

PA Consulting Group (PA) is a leading IT consultancy and one of the largest advisors to the UK government. We work as a trusted partner to help the UK Government apply an assured cloud delivery approach when developing their most complex information systems and cloud solutions.

PA is well placed to work with clients to help assess readiness, design, build, deliver, and test, to take advantage of cloud solutions. We will bring:

- Leading experience in identifying the costs and complexity drivers for moving existing or new IT services to cloud environments.
- Experience and knowledge to challenge the client organisation to ensure the key stakeholders are aligned ahead of the move to a Cloud solution.
- Access to the latest cloud vendor migration developments, ensuring a best-in-class approach, based on our work with major clients in both the public and private sector in the UK and overseas.
- Experience supporting cloud, in-house and hybrid systems side-by-side

More specifically we will bring:

Ideation & Strategy:

- Cloud strategy and advisory services
- Assessment of cloud readiness
- Cost-benefit analysis and ROI modelling
- Security and compliance assessment

Design & Architecture:

- Custom cloud architecture design
- Integration with existing IT infrastructure
- Multi-cloud and hybrid cloud solutions
- Disaster recovery and business continuity planning
- Robust solution delivery meeting GDS best practice and ISO27001

Development & Deployment:

- Cloud-native application development
- Containerization and microservices & serverless architecture
- DevOps practices and CI/CD pipeline setup
- Automated testing and quality assurance

Implementation & Migration:

- Data migration to the cloud
- Legacy application modernization
- Cloud service provider selection and management
- Implementation of Infrastructure as Code (IaC)

Operations & Management:

- Continuous monitoring and incident management
- Performance optimization and cost management
- Backup and restore operations.
- User training and change management.

Innovation & Scaling:

- Scalable infrastructure to support growth.
- Implementation of AI and machine learning capabilities
- Internet of Things (IoT) integration
- Ongoing innovation workshops and R&D

1.5.1 Social Value

Building a positive human future is at the core of PA's organisational purpose and we live this value as a key advisor and partner to the UK public sector and by delivering tangible benefits to communities and society.

We are passionate about the positive impact PA can have on wider society, making a significant contribution to efforts in tackling inequality, wellbeing, online safety and ensuring effective stewardship of the environment and fighting climate change.

We are committed to maximising Social Value by using our specialist knowledge and skills to develop firm-wide health, well-being and, diversity and inclusion initiatives for our own people, project-specific initiatives with our clients and wider community benefits. We can work with you to deliver measurable improvements across your key social value initiatives.

1.5.2 Security Clearance

PA are a government List X accredited company who have a dedicated Security Vetting team. This allows PA to achieve security vetting of its employees in a time effective manner ensuring the correct processes are always followed (In accordance with the Security Policy Framework). As a matter of standard process, PA puts all its eligible employees through the Baseline Personnel Security Standard (BPSS), set out by the Cabinet Office. Those employees working on, or planning to work on, government projects are automatically put forward for SC clearance which are processed via UK-SV (formally the Defence Business Services – National Security Vetting). PA also process DV vetting through the UK-SV and other agencies, these are generally client sponsored.

PA currently have a large pool of cleared individuals (80% of UK Staff). Should a resource be identified where clearance is needed, the PA Security Vetting team will then process the individual through the relevant clearance procedure. The team will also be able to validate all existing clearances held by PA employees when requested.

1.5.3 Next Steps

This service is intended to help customers develop and deliver successful outcomes regardless of the life cycle stage they are at. PA prides itself on working with clients and helping them to deliver outcomes whilst also providing them the ability to 'stand on their own' so that they can move their solutions forward without future involvement. Please contact us on GCloudFramework@paconsulting.com to discuss your needs further.



About PA.

We believe in the power of ingenuity to build a positive human future.

As strategies, technologies, and innovation collide, we create opportunity from complexity.

Our diverse teams of experts combine innovative thinking and breakthrough technologies to progress further, faster. Our clients adapt and transform, and together we achieve enduring results.

We are over 4,000 strategists, innovators, designers, consultants, digital experts, scientists, engineers, and technologists. And we have deep expertise in consumer and manufacturing, defence and security, energy and utilities, financial services, government and public services, health and life sciences, and transport.

Our teams operate globally from offices across the UK, Ireland, US, Nordics, and Netherlands.

PA. Bringing Ingenuity to Life.

Discover more at paconsulting.com and connect with PA on [LinkedIn](#) and [Twitter](#).

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