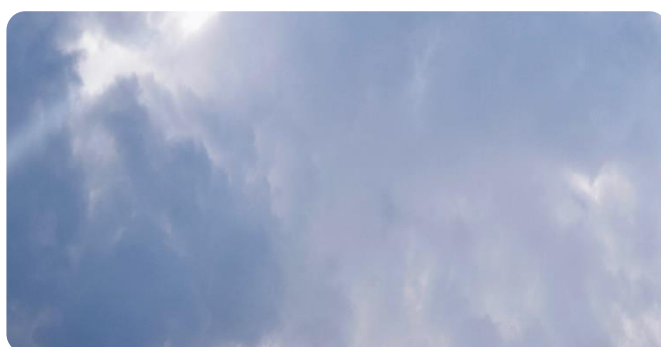
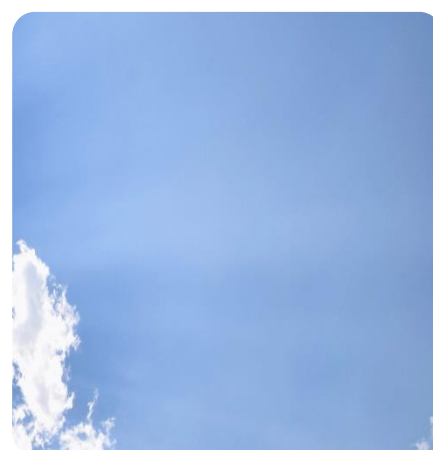
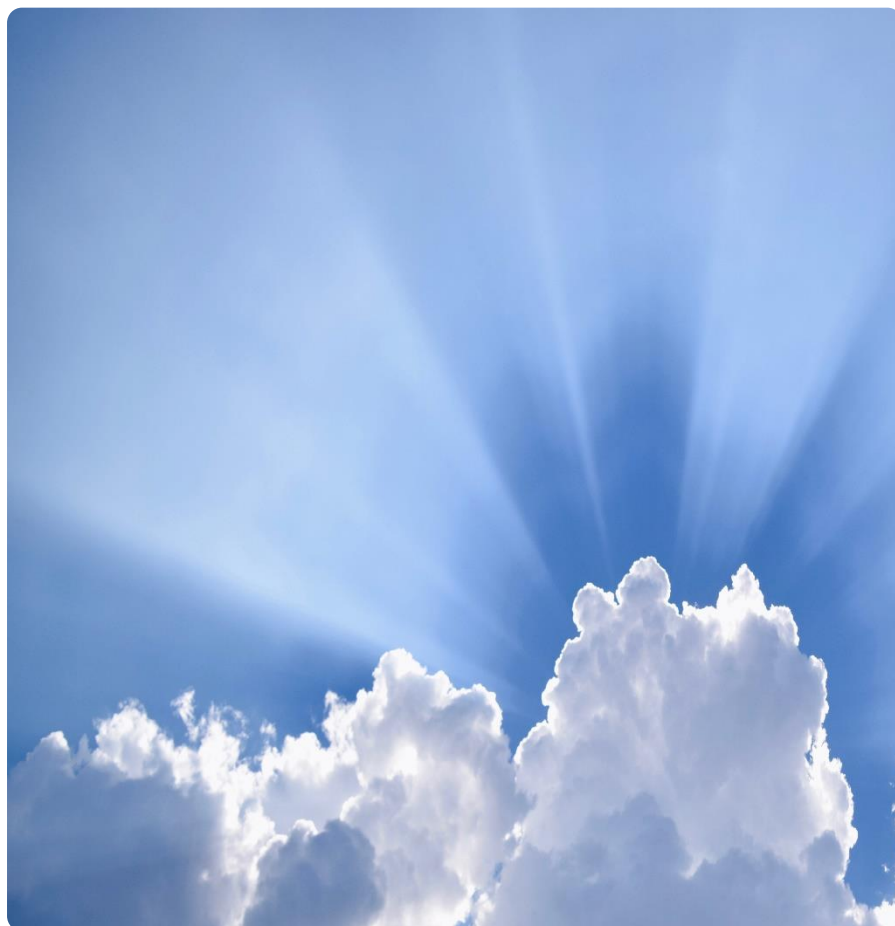




Crown
Commercial
Service



RED TEAMING

GCloud Service Description

Bringing Ingenuity to Life.
paconsulting.com

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Contents

1	RED TEAMING	4
1.1	Short Service Description	4
1.2	Key Service Features	4
1.3	Key Service Benefits	4
1.4	Service Definition	4
1.5	Why PA?	5
1.5.1	Social Value	6
1.5.2	Security Clearance	6
1.5.3	Next Steps	6



1 RED TEAMING

1.1 Short Service Description

PA provides Cyber Security services including CREST accredited services.

Red Teaming simulates adversary attacks against an organisation. We will assist you with improving your cyber security posture through identifying risks and validating the robustness of defensive measures. Assessments are conducted through the emulation of techniques and procedures of threat actors.

1.2 Key Service Features

1. Assessments based on real world threats against an organisation
2. Customised assessments to fit with client requirements
3. Cyber Security review of technology, people and processes
4. CREST accredited Penetration Testing Services
5. CREST Certified Security Professionals vetted to SC Levels
6. Review of defence and responses to TTPs
7. Comprehensive reporting to assist with remediation and risk management

1.3 Key Service Benefits

1. Trusted security specialists cleared through National Security Vetting processes
2. Prioritisation and mitigation advice included in remediation plans
3. Enhanced Assurance of Systems and Services processing Information Assets
4. Expertise leveraged from experience across all Industry Sectors
5. Enhanced threats understanding by working closely with Client Teams
6. Assists an organisation identify their cyber security weaknesses

1.4 Service Definition

PA Consulting work closely with clients to convey and help eliminate security weaknesses. We pride ourselves on being staunchly independent and on being an active member of many professional groups such as the Certified Register of Ethical Security Testers (CREST) and we are accredited to practice and audit for ISO 27001.

A Red Team assessment should be tailored to the target organisation and the risks they face. Working with key stakeholders, we will define what the client objectives are from the assessment; whether to validate their robustness or to test agility to respond to a cyber security event.

During the planning phase, we will work with you to define a threat profile which will be used for the attack simulation. To make an assessment more realistic, this can be shaped by the Threat Intelligence gathered on the target organisation.

This profile will define how our team enact an agreed set of attack scenarios against your organisation. Furthermore, a planned set of objectives will be agreed upon to demonstrate the impact of a cyber-attack.

Using the agreed plan and within the agreed terms of engagement; we would carry out the assessment using known Tools, Techniques and Procedures (TTPs) to assess the organisations ability to defend and react to a Cyber threat. These activities could occur over a long-time frame to emulate a threat actor.

Throughout an engagement, we will keep key stakeholders apprised of the progress, any potential risks. At engagement completion, we will provide a test report with technical descriptions of issues and an executive summary overview of the assessment and findings. Additional deliverables can be provided, such as training, debrief meetings and workshops.

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.

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

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