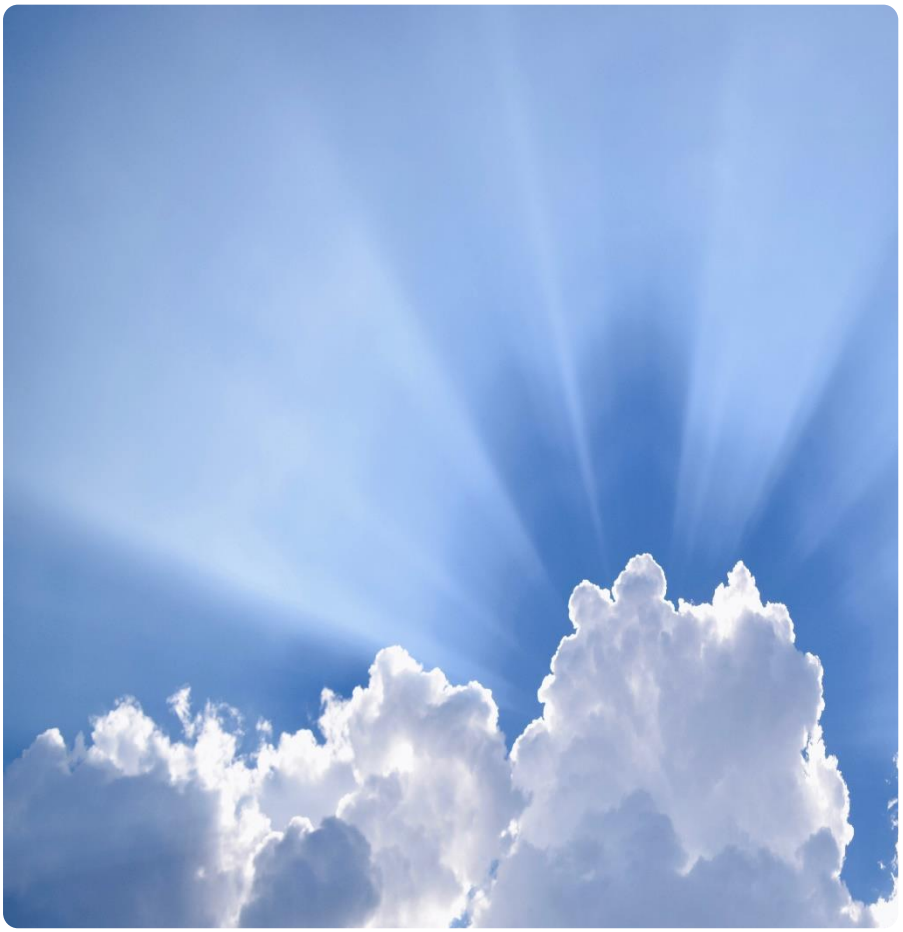

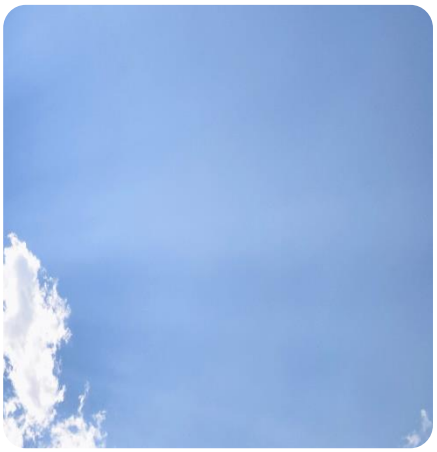

Crown Commercial Service

Data Visualisation

GCloud Service Description

Bringing Ingenuity to Life.
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1 Data Visualisation

1.1 Short Service Description

Unlock insights from your organisation's data using dashboards to support your decisions. Live reporting and data analytics enable you to identify trends and highlight issues in easily interpretable visualisations. Monitor progress against your KPIs with a global view of your organisation. Leverage high quality UI/UX to accelerate decision making.

1.2 Key Service Features

1. Innovative dashboards with graphs and visualisations of key insights
2. Management information of your organisation
3. Business intelligence of data streams relevant to your organisation
4. Agile delivery of interactive and bespoke visualisations
5. Monitor business KPIs with real-time reporting
6. Intuitive data analysis with graphical and interactive interfaces
7. Visualise forecasts and AI outputs for human-in-the-loop decision making
8. Enterprise tools e.g. PowerBI, Palantir Foundry, Tableau, Qlik, Looker
9. Integrated data pipelines with visualisation front-end architectures
10. Control access with customised permissions

1.3 Key Service Benefits

1. Strategic insights that enable optimal decision making
2. Trend identification from insights over time
3. Operational insights on actions to improve performance
4. Increased organisational awareness at more levels of the organisation
5. A high resolution understanding of events
6. Monitor system health and identify issues
7. Lower the skill threshold for leveraging data analytics
8. A simple and intuitive user-experience
9. Faster response times and reduced risk
10. Understand AI model performance and outputs

1.4 Service Definition

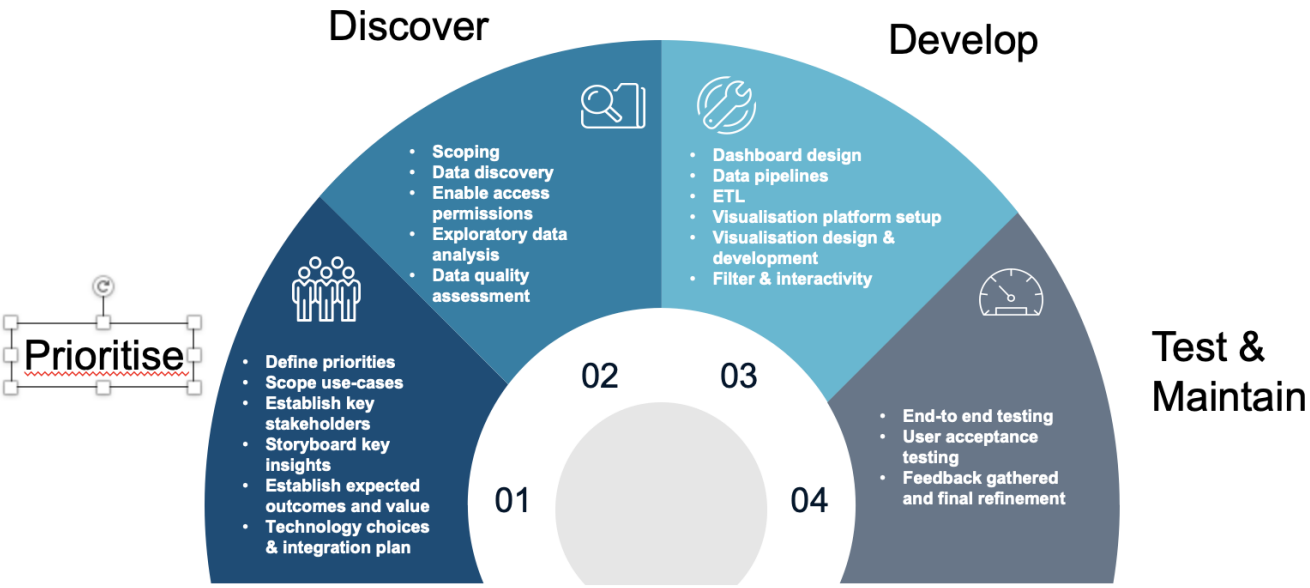
Data visualisation is the key to rapidly unlocking insights from data to support better decision making. By making the complex intuitive to understand, large volumes of data can be distilled into the essential facts. Data visualisation not only accelerates your decision making but it makes data analytics accessible to a wider audience, enabling more of your organisation to be informed.

At PA our priority is delivering value through easily interpretable targeted insights. We work with you to understand your priorities and requirements for a new visualisation project. We scope what data you have available to understand what can be achieved with it and what type of data processing will be required. We will recommend the best-in-class tools and methods which will integrate seamlessly with your existing platforms, workflow and branding.

Often data visualisation projects require pipelines to surface the data in the correct format for use in visualisation front ends. Our data engineers are certified experts in delivering data pipelines in all the big cloud platforms and can support with the end-to-end visualisation life-cycle.

We develop in sprints using an agile approach, which is flexible to changing project requirements while keeping you engaged on the project evolution as the key stakeholders. This ensures a short feedback cycle and alignment with your priorities as well as maintaining visibility of the constraints in the data.

Finally we engage in user acceptance testing to ensure the visualisation tool(s) meet the requirements of the end-user.



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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