G-Cloud 15

Quantexa Powered TPRM

January 2026

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Transforming Business using the Cloud

We have worked with many Central and Local Government clients to support the implementation of their business objectives using cloud technology. Enabling business and enterprise transformation using cloud is a complex, strategic consideration facing many private and public sector organisations.

Cloud technology and services have the potential to reduce cost, remove technology bottlenecks, and facilitate rapid business innovation. As a result, for most organisations globally, adopting cloud technology has become a question of “when and how” rather than “if”.

Opportunities for enterprises generally include a combination of one or more of the following:

- Implementing private and/or hybrid clouds for infrastructure and applications
- Smarter use of public cloud infrastructure for optimising existing business functions
- Using cloud for implementing new business services or digital operations
- Reducing cost by moving to consumption-based pricing models that only charge for the actual IT capacity and services used.

Migration or adoption of cloud must be properly choreographed for success. We understand the realities and the business and technical risks that should be fully considered, understood and mitigated before such a move. Critical considerations include:

- **Alignment of business and technology objectives.** This is essential to fully realise the targeted benefits of any cloud transformation or any refinement of existing cloud services. There can be a tendency to adopt cloud systems to fit current ways of working, rather than adopt and standardise processes where possible. The trade-offs between business, customer and technology requirements must be considered to make informed design decisions
- **Availability and reliability of services.** The avoidance of operational downtime to mitigate in lost revenue, unnecessary operational cost or reputational damage that can disrupt a business’ operations
- **Decentralised support structures.** The need to tailor and revise the approach to operational security to cover the support structures employed by cloud service providers that will have a different risk profile for sensitive information
- **Data handling practices**. Data classification and data-handling practices that reflect the data flow within a cloud environment must be understood and tailored accordingly to protect customer data

- **Data privacy.** Compliance with GDPR to understand where and how information can be stored or processed. The cloud model enables data to bounce swiftly around the world by using available server capacity in various geographic locations, but this must be within the bounds of what is permissible. This is ever more of a concern as organisations review their front office, back office and out of office experiences

- **Future Technology Trends.** Cloud applications are the stated direction of travel for the major application vendors, but any upgrade path must also cater for the future technology needs of the organisation and seek to minimise technical debt where possible.

A careful assessment of an organisation's needs and different cloud service provider's controls is required, enabling concerns to be addressed and the correct path to the cloud is selected.

As a trusted advisor PwC provides the framework, and the wealth of private and public sector experience, to consider the combination of Business, customer experience and Technology activities outlined above. There is no single answer that covers each and every client organisation; we tailor our frameworks to client circumstances to best support clients:

- As a partner through the complete lifecycle of strategy through to execution

- With point business issues encountered during implementation or running the business.

Quantexa Implementation Partner Service

This section describes in more detail the service features and benefits included within this service definition document.

PwC provides managed service or private cloud implementation for a Quantexa based solution to understand and assess risks around third parties in relation to supply chain and procurement and, at a transactional level, in relation to Fraud, Anti Bribery and Corruption, Conflicts of Interest and Sanctions.

Using world-class technology from Quantexa combined with PwC's experience in third party risk management and forensic investigations, this service offering uses data analytics to resolve external entities (individuals, companies, organisations), establish the links between them, and analyse the relevant risks resulting from these relationships.

Quantexa Powered Third Party Risk Management Service Features

- **Scalable Data Ingestion:** Quickly integrate data at-scale from various sources, including internal databases, external data feeds and publicly available records. By combining internal and external data, Quantexa provides a comprehensive view of third-party relationships and associated risks
- **Entity Resolution:** Utilise market leading capability to extract real-world entities from the data to create a rich understanding of every single party in the data to a high degree of accuracy. We create a reliable, single view of entities enables deeper insights into relationships and more effective risk detection
- **Network Analysis:** Uncover hidden relationships and dependencies among third parties, including corporate structures, shared attributes (addresses, bank accounts) and real-world events e.g. payments
- **Risk Scoring and Monitoring:** Develop sophisticated and bespoke risk scoring models tailored to your specific needs. These models can assess various dimensions of third-party risks, such as financial stability, transaction risk, compliance with regulations and fraud and error. Quantexa enables continuous monitoring of third-party relationships to detect any changes in risk levels promptly

Quantexa Powered Third Party Risk Management Service Benefits

Single supplier view / source of truth:

- Consolidation of supplier data for a unified view providing a 'single source of truth'
- Enhanced understanding of supplier relationships and dependencies
- Improved supplier performance monitoring and management.

Proactive risk and compliance monitoring

- Real-time or near real-time data feeds to enable rapid identification of non-compliance and enable continuous monitoring of third parties
- Proactive monitoring for instances of non-compliance including conflicts of interest, bribery, and corruption
- Avoid financial and reputational damage.

Reduce fraud and error

- Detection of fraudulent activities and suspicious behaviour across suppliers, customers, and employees
- Real-time monitoring of transactional data
- Avoid financial and reputational damage.

Master data management

- Automatically cleanse and de-duplicate master data, resulting in more efficient and accurate risk analysis
- Unified view of entities for better decision making.

- **Alerts and Workflow Automation:** Automate the generation of alerts for potential risk events based on predefined thresholds or anomalous behaviour. These alerts can trigger workflow actions, such as escalation for further investigation or remediation, streamlining the risk management process

- **AI:** Leverage AI powered models to predict future outcomes, detect emerging risk and recommend optimal courses of action for decision makers, as well as utilising Quantexa's GenAI capability to summarise complex risk networks

- **Customisation and Scalability:** Quantexa's platform is highly customisable and scalable, allowing users to tailor the solution to their unique risk management needs and accommodate growing volumes of data and complexity of relationships.

Accelerated investigations
- Rapid identification of suspicious activities and anomalies
- Streamline multiple use-case investigations applied across multiple risk categories
- Automation of repetitive investigative tasks for increased efficiency.

Regulatory compliance
- Adherence to regulatory compliance through comprehensive analytics
- Real-time monitoring of regulatory changes
- Audit trails and documentation to demonstrate compliance.

Future-proofed technology solution
- Scalability to handle increasing data volumes and complexity
- Flexibility to adapt to evolving business and regulatory needs
- Integration of cutting-edge technologies (e.g. AI) to stay ahead of emerging challenges and opportunities.

PwC offers comprehensive support throughout the entire process of procuring, deploying and operationalising platforms like Quantexa, serving as your trusted delivery partner along the way. Drawing upon our extensive expertise in various areas such as supply chain, third-party risk, fraud, bribery, and corruption, coupled with our Quantexa certified team, we can tailor a platform like Quantexa to meet your organisation's specific needs.

Use cases

Quantexa technology is combined with PwC experience and insights to develop effective solutions for use cases such which are shown here.

Supply Chain Integrity Monitoring

PwC has partnered with Quantexa in delivering a market-leading supply chain integrity solution, encompassing a variety of internal and external data sources to provide organisations with a 360 view of their suppliers and other related third parties.

By leveraging internal data such as Supplier Master, and P2P Transactional data, alongside external data such as Corporate Registries, Watch Lists and Credit Ratings, the service offering provides organisations with proactive risk detection capabilities across a vast range of risk domains, which includes:

- Sanctions (direct and indirect)
- Fraud and Financial Crime
- Bribery and Corruption
- Conflicts of Interest
- Third Party Resilience
- ESG
- Adverse Media.

Outputs from the solution are aggregated and summarised in a bespoke dashboard, highlighting exactly where key areas of risk for an organisation may exist. The solution also leverages Quantexa's Tasks and Case Management functionality to allow investigators and analysts to perform reviews of the networks and alerts that have been triggered directly within the UI.

Intelligent Entity Analytics

This is a next-generation capability that allows firms to unlock the value of internal and third-party data to perform KYC and manage financial crime risks. It enables rapid assessment and enrichment of customer records to identify risk and establish a single entity view of information derived from internal and third-party data sources through advanced analytics. This approach offers a fast and robust way to verify customer information, identify compliance gaps, customer risks and automation opportunities, and remediate faster.

Firms can leverage Intelligent Entity Analytics to streamline ongoing due diligence, conduct large-scale KYC remediation cost-effectively, and empower proactive risk management. It works by transferring data securely to cloud storage, applying PwC-recommended risk indicators, matching and de-duplicating records, enriching data with trusted third-party sources, and generating insights through monitoring and reporting. Firms can access various AML/CFT, fraud and other financial crime risk indicators and consolidate them into a single entity view.