



G-Cloud 15 Service Definition

**Accenture Data Assurance Services – Ensuring
Integrity at Scale**

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accenture

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1.0 Scope of our services

Service introduction

Our Sovereign Data Assurance Services harness state-of-the-art technologies to ensure data quality and compliance across massive semi-structured datasets and diverse data streams. Leveraging advanced tools developed in-house, including our modern JSON-first data profiling tool, this service performs real-time data profiling, anomaly detection, and rule compliance at a petabyte scale in AWS.

Designed for organisations handling large volumes of complex data, our service offers comprehensive monitoring, profiling, and assurance to maintain the accuracy and reliability of your data.

- **Streamlined Compliance:** Seamlessly ensure adherence to regulatory standards and internal policies with automated anomaly detection and rule compliance checks, reducing the risk of non-compliance and associated penalties.
- **Improve Data Trust:** Gain actionable insights into data quality issues and trends, empowering proactive decision making and fostering trust in your data assets among stakeholders and end-users.
- **Scalable Assurance:** Our schema free data ingestion design means that you can get actionable insights within hours of receiving new data sets. Turning these early insights into conversations around assurance services and corrective actions builds trust quickly with stakeholders.

Service features

- On shore security cleared team.
- High-Volume Data Profiling: Utilises Spark for efficient data profiling of large datasets.
- Advanced Rule Checking: Features assertion rule definitions with comprehensive compliance checks.
- Flexible Data Integration: Supports reference data loading and joining, including Excel, CSV, and JSON formats.
- Enhanced Data Quality Outputs: Outputs JSON enriched with data quality markers and tags, including original data plus suggested corrections
- Comprehensive Metrics: Provides detailed metrics and summary data frames for in-depth analysis.
- Customisable Processing: Includes custom key preprocessors and parquet row readers for tailored data handling.
- Extensible Frameworks: Allows for extension to other data formats and custom assertion rules.
- Real-Time Anomaly Detection: Monitors and detects anomalies in real-time across many thousands of sources and data fields
- Automated Reporting: Generates human-readable data quality and rule compliance reports.

Service benefits

- **Improved Data Integrity:** Ensures high data accuracy and reliability across all business operations.
- **Real-Time Insights:** Detects issues and anomalies as they occur, facilitating immediate corrective actions.
- **Scalability:** Capable of handling and assuring data quality at petabyte-scale on AWS.
- **Operational Efficiency:** Reduces the need for manual checks with automated profiling and anomaly detection.
- **Compliance Assurance:** Helps adhere to industry standards and regulations through comprehensive data quality checks.
- **Cost Effectiveness:** Minimises financial risks associated with data errors and compliance failures.
- **Enhanced Decision Making:** Provides clean, enhanced data for better, more informed business decisions.
- **Customisation and Flexibility:** Adapts to specific organisational needs with customisable tools and extensive format support.
- **Consumer Focussed:** Our data quality tools provide many DQ suggestions allowing consuming applications to select the level of service they want

2.0 Service Implementation



Environments & Data Access

(3-6 months)

On arrival we will work with you to rapidly design and launch the environments needed to access your production data. We help you navigate this with your design authorities and governance teams.



Scan and Heat Map

(2-3 months)

Our data profiling tools rapidly generate insights, helping to scan vast amounts of data. We then report the heat maps from across the data sets to find the critical issues to address first.



Assurance Monitoring

(4-6 months)

Over time the data quality metrics begin to generate time-series views of your data assurance landscape, helping you identify new issues, track existing ones, or to spot longer terms trends in the quality of your data.

Key Differentiators

Deliver lasting value from our deep expertise in Data Assurance.

At the heart of what makes us different is our DAS data profiling toolkit.



Schema Free design based on mask based data profiling techniques help you to get insights almost immediately after receiving data.



Easy User Interface helps you to monitor the quality of your data sources over time, and to understand trends that affect the depth, breadth and usability of your data.



Automation of data assurance rules discovery saves you months of effort in configuring bespoke rules. We use data science to scan all your data, all the time, applying high quality rules as we discover them.

3.0 Pricing

Please refer to the associated pricing document/ rate card relevant for this service.

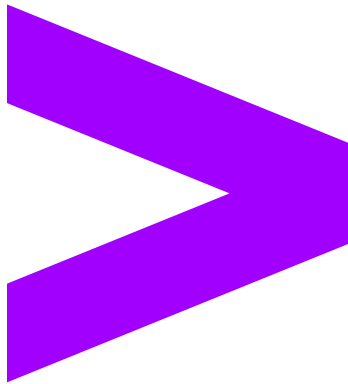
4.0 **Contacts**

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5.0 About Accenture

Accenture is a leading global professional services company that helps the world's leading businesses, governments and other organisations build their digital core, optimise their operations, accelerate revenue growth and enhance citizen services—creating tangible value at speed and scale. We are a talent- and innovation-led company with approximately 799,420 people serving clients in more than 120 countries. Technology is at the core of change today, and we are one of the world's leaders in helping drive that change, with strong ecosystem relationships. We combine our strength in technology and leadership in cloud, data and AI with unmatched industry experience, functional expertise and global delivery capability. We are uniquely able to deliver tangible outcomes because of our broad range of services, solutions and assets across Strategy & Consulting, Technology, Operations, Industry X and Song. These capabilities, together with our culture of shared success and commitment to creating 360° value, enable us to help our clients reinvent and build trusted, lasting relationships. We measure our success by the 360° value we create for our clients, each other, our shareholders, partners and communities



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