



G-Cloud 15 Service Definition

Accenture Complex Event Processing

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 **accenture**

Contents

- 1.0 Scope of our services 1
- 2.0 Service Implementation 3
- 3.0 Pricing 4
- 4.0 Contacts 5
- 5.0 About Accenture 6

1.0 Scope of our services

Service introduction

We offer industry-leading expertise in real-time data streams and AI to provide unparalleled event analysis and decision automation. This service is engineered to detect and respond to complex patterns across multiple real-time data sources, delivering actionable insights and automated responses at the speed of your data. Ideal for organisations dealing with high-volume, high-velocity data, our CEP service turns immediate data flows into strategic advantage, ensuring operational agility and competitive edge.

Service features

- On shore security cleared team.
- Advanced Pattern Recognition: Utilises AI to identify complex patterns across diverse data streams.
- Real-Time Analytics Engine: Processes and analyses data as it arrives, ensuring timely insights.
- Scalable Event Handling: Manages millions of events per second, scaling dynamically to meet demand.
- Multi-Source Integration: Seamlessly aggregates data from over 4000 real-time sources.
- Automated Response Systems: Triggers predefined actions based on specific event patterns to automate decision processes.
- Customisable Rule Sets: Allows users to define and adjust rules for event processing and response criteria.
- Low-Latency Processing: Delivers insights and reactions within milliseconds.
- Secure Data Management: Ensures data integrity and security across all transactions and interactions.
- Intuitive Dashboard: Offers a comprehensive view of real-time analytics, pattern tracking, and system health.

Service benefits

- Enhanced Decision Making: Empowers businesses to make informed decisions quickly based on real-time data analysis.
- Operational Efficiency: Automates complex decision processes, reducing the need for manual intervention and accelerating response times.
- Risk Mitigation: Detects potential issues and threats instantaneously, allowing for

- immediate corrective actions.
- Increased Agility: Enables organisations to adapt to changes and anomalies in real-time, enhancing adaptability.
- Cost Reduction: Decreases operational costs by automating routine and complex processes, minimising human error.
- Strategic Insights: Provides deep insights into operational data, supporting strategic planning and innovation.
- Competitive Advantage: Keeps businesses ahead of the curve by leveraging cutting-edge real-time analytics and AI.
- Regulatory Compliance: Helps comply with industry regulations through meticulous, real-time data monitoring and management.

2.0 Service Implementation



Foundation & Design: (2-3 months*)

Work with you to understand the existing data estate, and gather requirements, do the design and architecture.



Migration & Processing (3-4 months*)

Build new data ingestion routines and integrate data sources, develop stream processing logic and shared state solution. Test. Configure data access controls.



Scaling & Optimisation (2-3 months*)

Implement the solution on live flows in pre-prod then monitor, plan and optimise for performance, and service scalability.



Deployment & Improvement (2-3 months*)

Deploy to production, monitor, and iterate for continuous improvement. Work with consuming systems to integrate with downstream services.

** assumes up to 15 low to medium complexity datasets*

Key Differentiators

Build lasting value from deep expertise in real-time distributed computing.

At the heart of what makes us different is quality of our expert RT engineering team.



Advanced Pattern Recognition is done through using advanced algorithms and/or AI to rapidly discern complex patterns across data streams, expanding the range of functionality you can support

Real-Time Analytics Engine delivers immediate insights by processing data upon its arrival, helping you report on and monitor your outcomes tailored to

Scalable Event Handling dynamically ramps up to manage millions of events per second. Our existing solutions operate at the largest scales on petabytes of data - we presently operate the largest Confluent solution in the EU region.

3.0 Pricing

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

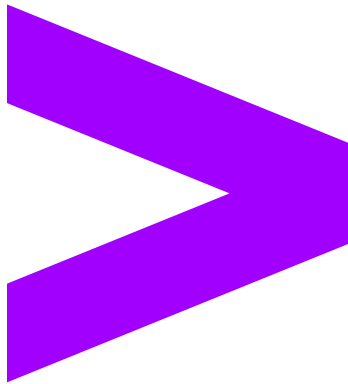
4.0 **Contacts**

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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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