



Edge Artificial Intelligence (AI) Services

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G-Cloud- 15 Service Definition

G-Cloud 15 Framework Service Definition

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Service Description

Analytics Engines' Edge AI services leverage edge computing technology to enhance the performance and reliability of artificial intelligence (AI) models. These services enable AI processing at the edge, closer to where data is generated, rather than relying solely on centralised cloud infrastructure.

Service Features

- Design and implementation of modern and scalable AI/ML solutions.
- Intelligent insights extraction from multimedia data (video, image, audio).
- Natural Language Processing (NLP) and Computer/Machine learning solutions.
- Container support for IoT, involving fleets of IoT devices.
- Support for IoT plus location analytics solutions and strategies.
- Enable workload deployment in the cloud, at the edge.
- Platform-based services (Azure IoT, AWS IoT and GDC Edge).
- Cloud connection for LTE & 5G enabled Infrastructure.

Service Benefits

- Faster Data Processing: data processing becomes quicker and more efficient.
- Improved Automation: by making real-time decisions at the network edge.
- Reduced Latency: Processing data locally reduces response time.
- Enhanced Privacy: data remains closer to source, minimising privacy risks.
- Scalability: Edge AI scales easily across distributed devices.
- Open Source/Standards: Ensuring services are designed/developed using open standards and source.
- Digital-by-Default: Ensuring services aligned to GDS Service Manual.
- Agile delivery: Ensuring services are developed using agile principles.
- DevSecOps: Services are operated in-line with DevSecOps culture.
- Bandwidth: Reduced bandwidth for edge devices as not having to send full dataset, only sending pre-processed data set.
- Potential cost savings: Only sending pre-processed data rather than full data sets saves storage costs and AI token usage

Our Mission

To enable forward-thinking organisations to **unlock value** through Data & AI.



Analytics Engines offer end-to-end guidance, consultation and support in response to your **data challenge**.



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