Software Engineering Service

G-Cloud 15 service definition document

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Software Engineering Service

Daintta provides software engineering and design capability that enable organisations to build cloud, on-premise and hybrid solutions at scale including Critical National Infrastructure (CNI).

Daintta's specialisms include full-stack development, DevSecOps, IP Networking, 5G, Machine Learning, AI, and high-performance computing.

About the Service

The Software Engineering service supports organisations to design and build cloud-enabled software systems.

The service focuses on delivering scalable, maintainable solutions that meet operational requirements.

Daintta provides engineering expertise across the software lifecycle, aligned to delivery and assurance needs.

This reduces technical risk and supports long-term sustainability.

Service Features

1. Specialised coding for high-performance and near real-time applications
2. Requirements based elaboration of designs into modular systems
3. IP Networking experience including ground-up design of CNI deployments
4. DevOps and DevSecOps skillset and approach supporting agile deployment
5. Providing a CI/CD driven approach including associated tooling
6. Coaching and guidance
7. Driving of design activities ensuring aligned approach
8. Experience in tooling applied across software lifecycle
9. Significant experience in programming languages including Java, C++ & Python
10. Unit through system-level testing expertise

Service Benefits

1. Focused engineering to meet the most demanding requirements
2. Interface driven approach to reduce development and integration effort
3. Clear and cost-effective network solutions aimed at minimising complexity
4. Reducing cost through mitigating siloed project knowledge
5. Reducing deployment and issue identification times and associated costs
6. Supporting longer term sustainability of systems developed
7. Recognising the importance of upfront design to reduce rework cost
8. Clear reporting and tracking of activities and associated prioritisation
9. Minimising cost through having means to select appropriate languages
10. Reducing cost through up-front test strategy and execution

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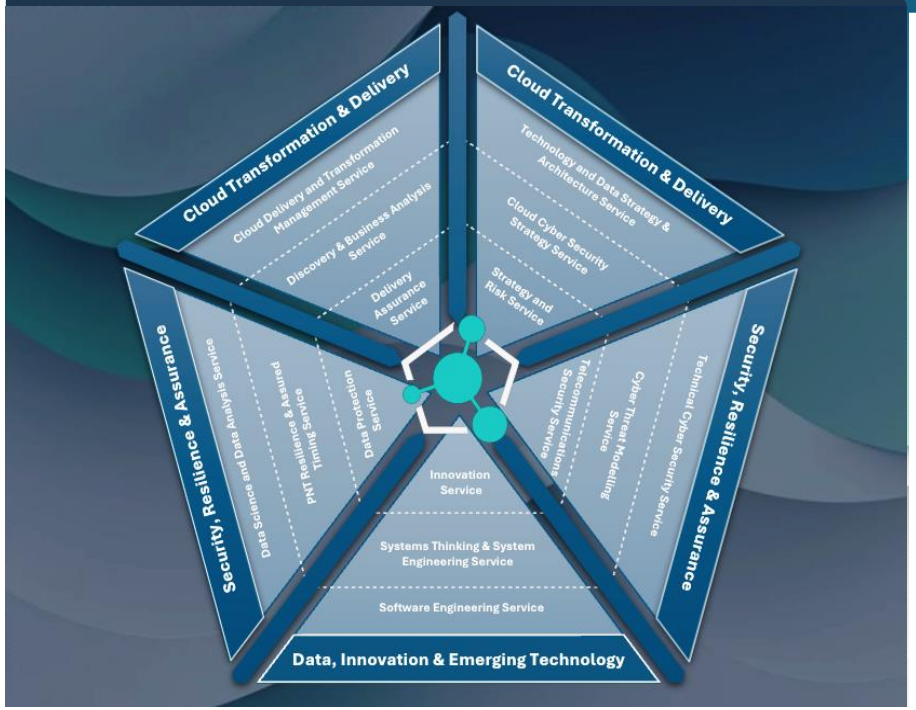
Scope of our Services

Daintta helps public sector organisations successfully deliver complex cloud-enabled programs and transformations.

We support clients to move from early discovery through to live operation, ensuring delivery activity is aligned to strategic intent, operational readiness and measurable outcomes.



Our Approach

Our approach recognises the practical realities of public sector delivery, including complex stakeholder environments, multi-supplier ecosystems, assurance obligations, and evolving policy and technology contexts.

We work alongside client teams to provide experienced, impartial delivery leadership that enables progress while managing risk in a proportionate, transparent & controlled manner.

Customer Stories

Secure AI on Private Cloud

Designed, trialed and deployed a Generative AI capability into production for a central government department within a secure private cloud environment. The solution integrated identity controls, governance and repeatable deployment patterns, enabling improved operational efficiency while maintaining security, assurance and responsible AI expectations.

Critical Resilient Infrastructure

Led the design, build and preparation for operation of a secure, resilient infrastructure spanning on-premise and cloud environments. Delivered systems engineering, secure architecture and software releases, maintaining alignment between design intent and live environments and enabling confident transition towards sustained operational use.

Digital Collaboration Platform

Enabled improved collaboration across a government department and its arm's-length bodies to develop shared data and digital products. Daintta supported delivery planning, governance and stakeholder alignment, reducing fragmentation and enabling confident, coordinated delivery across a complex multi-organisation ecosystem.

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