

Service Definition Document Infrastructure Software as a Service (iSaaS)

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About our Cloud & Software Services

CCQ Tech is a UK-based software and technology consultancy delivering complex, purpose-built systems through a partner-led approach. We work alongside clients to solve hard technical and organisational problems, combining deep engineering capability with strong commercial understanding.

Our cloud and software development services blend strategy, architecture and engineering to take ideas from concept to production. We use pragmatic Agile delivery to reduce risk, surface value early and adapt as requirements evolve. Our teams design and build scalable, secure systems using modern best practices. We modernise legacy platforms and integrate critical data and third-party services. Throughout delivery we act as a trusted technical partner, providing clarity, transparency and momentum.

Our delivery approach

CCQ Tech's approach is simple and focused on outcomes. We start by understanding your objectives and constraints, then iterate quickly toward working technology solutions. Clear ownership, disciplined engineering and continuous feedback mean stakeholders see progress early resulting in high quality, right-fit software & systems developed and delivered. Additionally we help integrate critical data and third-party services.

Throughout delivery we act as a trusted technical partner, providing clarity, transparency and momentum.

We leverage software-defined compute to deliver flexible, scalable, and reliable cloud services. Our approach abstracts computing resources—CPU, memory, storage, and networking—entirely in software, enabling rapid deployment and dynamic scaling without being tied to physical hardware.

Key Service Features

Cloud-Based Virtual Compute:

Applications run in virtual machines or cloud instances (DigitalOcean, AWS, Azure, or equivalent), allowing us to manage resources entirely in software.

Containerised Architecture:

Backend, frontend, and database (PostgreSQL) components run in Docker containers, which are isolated, interconnected, and easily portable. This makes it simple to deploy, replicate, or scale components independently.

Dynamic Scaling and Orchestration:

Containers can be automatically scaled up or down based on workload, ensuring performance and efficiency. Software-defined networking connects these components seamlessly.

Automated CI/CD Pipeline:

Our custom GitHub CI/CD pipeline supports software-defined compute by automatically building, testing, and packaging applications into containers, and then deploying them to our virtual infrastructure. This ensures consistent, reliable deployments while maintaining high quality standards.

Cloud-Agnostic Operations:

Our platform is not tied to a single cloud provider. The same containerized workloads can run across multiple cloud environments, avoiding vendor lock-in and providing operational flexibility.

CCQ Tech takes a pragmatic, iterative approach to projects and delivery. We work closely with clients to build solutions incrementally, validating ideas early and incorporating continuous feedback to reduce risk, adapt to change, and ensure deliverables are impactful, measurable and meet project objectives.

Our Approach

1. Discover

We assess requirements, risks and constraints to define a compliant, scalable software-defined compute approach.

2. Onboard

We establish secure, governed cloud environments efficiently, aligned to agreed standards and operational requirements.

3. Build

We design and implement resilient, containerised systems supporting scalability, portability, and consistent performance.

4. Deliver

We deploy reliably through automated CI/CD, dynamically scaling compute to meet real-world demand.

5. Support

We provide ongoing monitoring, optimisation and support to maintain performance, resilience and service continuity.

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Acumen

Drawing on decades of experience we bring real business acumen to bear to help you solve tough business problems with technology.



Trust

We invest to deeply understand each unique business we engage to recommend best-fit solutions and seek long-term value added partnerships.



Results

We are expert technologists who have been around long enough to understand how to diversify and shape solutions proven to deliver results.