



Crown
Commercial
Service
Supplier



Service Definition

Cloud Infrastructure Health Checks & Audits

Lot 3

RM1557.15 - G-Cloud 15

CT/DIGITAL®

Our Expertise

Our Expertise

Always evolving, always excelling

CTI Digital is a full-service agency delivering strategic consultancy, website design and development, and digital marketing that drives measurable results. Our team of 150+ specialists help ambitious brands drive demand and stand out online by blending deep expertise, proven marketing strategies, and leading technologies.

The specialists that power CTI Digital stay curious, get stuck in, break new ground, and own it. From developers and designers to strategists and growth marketers, our people are what make the difference. We don't just maintain your code base, we support all moving parts that make up your digital estate, from user experience to hosting.

Every recommendation is supported by research, analytics, & measurable performance indicators.

What sets us apart...

Anticipating trends, not chasing them

We don't follow trends; we define them. While others react to the digital landscape, we operate two steps ahead. This foresight allows us to lead you toward the future with absolute clarity and confidence.

Built to flex

Our breadth of services and specialists adapt to meet the unique needs of every step in your digital journey. From reliable foundations through growth enablement to next-gen experiences, we scale with your ambitions.

Connecting every dot

Every recommendation connects back to business outcomes. Understanding your audience is the foundation for all our strategies and tactics.

Strategic thinking

We think critically, challenge assumptions where needed, and strive for the best outcome every time. Our digital expertise complements (never replaces) your business knowledge.

3 steps to Cloud success



Onboarding & Migration

Our Cloud migration methodology is based on industry best practices and tried and tested ISO 9001 & ISO 27001 processes, leveraging automation, tooling and experience to ensure a structured approach that mitigates risk.



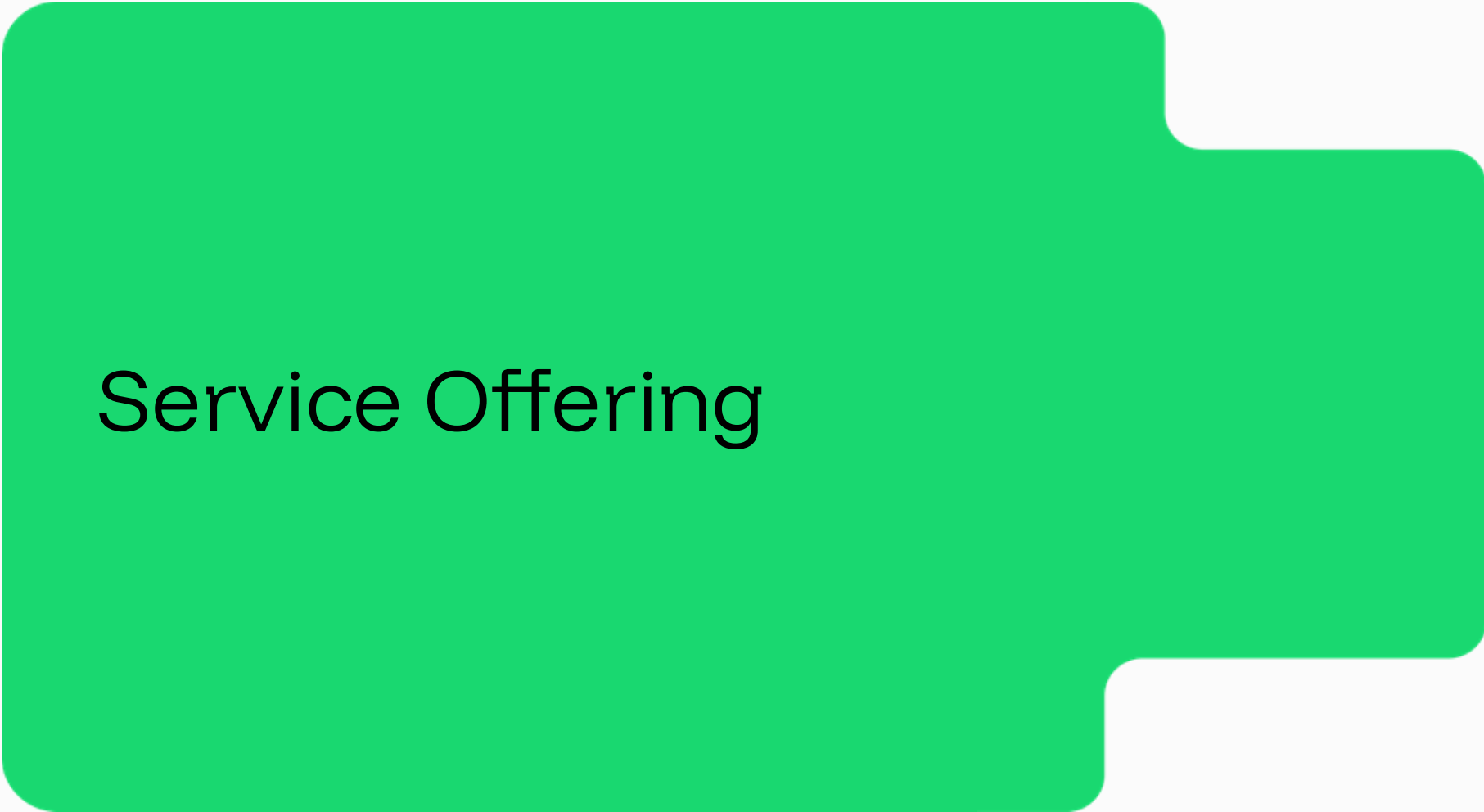
Security & Compliance

Ensuring data protection, identity management, and threat detection at every level. Our cloud security and compliance capabilities help businesses mitigate risks and maintain regulatory adherence.



Management & Optimisation

We are trusted by banks, governments & enterprise businesses to manage critical cloud infrastructure. Monitoring tools are configured to alert us to potential problems before they become real ones.

A large green arrow pointing to the right, with a white outline. The arrow has a thick body and a pointed head. Inside the arrow, the words "Service Offering" are written in a black, sans-serif font, centered horizontally and vertically.

Service Offering

Cloud Hosting Services



AWS & Azure Management

Harness the Power of AWS, Azure & Upsun with CTI Digital's comprehensive infrastructure management services.



Infrastructure Monitoring

Our managed cloud services include proactive monitoring of your infrastructure, ensuring early detection and rapid resolution to minimise potential issues.



Security & Infrastructure Hardening

Security is our top priority. We implement robust security measures to protect your infrastructure from threats and ensure compliance with best practices.



Speed Optimisation

Whether it's fine-tuning resources, optimising network configurations, or implementing caching mechanisms, we ensure that you always deliver optimal performance to your end users.



DevOps Setup & Consultancy

Our consultants work closely with your development team to implement changes and improvements to your cloud infrastructure and DevOps processes.

Service Offering

Cloud Infrastructure Health Checks and Audits

CTI Digital provides structured cloud infrastructure health checks and audits for Microsoft Azure, Amazon Web Services (AWS), and Upsun. The service is designed to assess the resilience, security, performance, governance, and cost efficiency of cloud environments against industry best practices and organisational standards.

Our cloud specialists review core architectural components including availability and disaster recovery design, identity and access management, network configuration, scalability, operational processes, and use of native managed services. The assessment identifies misconfigurations, security gaps, performance bottlenecks, governance weaknesses, and areas of technical debt that may increase operational risk or cost.

Each health check delivers clear, prioritised, and actionable recommendations, highlighting quick wins, medium-term improvements, and strategic changes. The outcome is a practical improvement roadmap that supports stronger compliance, improved reliability, enhanced security posture, and more effective cloud cost management.



Service Offering - Key Features

Some of our key service features:

→ Assess availability, fault tolerance, and disaster recovery readiness

→ Review IAM, encryption, logging, and security best practices

→ Evaluate connectivity, segmentation, firewalls, and routing efficiency

→ Identify bottlenecks, scaling risks, and resource inefficiencies

→ Detect waste, over-provisioning, and FinOps opportunities

→ Review monitoring, alerting, backups, and incident response

→ Identify configuration risks and legacy technical debt

→ Deliver prioritised actions and improvement roadmap

As a full-service agency, we pride ourselves in providing a well-rounded product.

Service Offering - Key Benefits

Some of our key service benefits:

→ Reduce outages and improve platform reliability

→ Minimise vulnerabilities and reduce security risk exposure

→ Eliminate waste and optimise ongoing cloud spend

→ Improve application speed, stability, and scalability

→ Identify and mitigate critical infrastructure risks early

→ Receive prioritised, actionable improvement recommendations

→ Enforce standards, policies, and cost accountability

→ Improve monitoring and recovery response times

→ Prepare platforms for growth and changing demand

→ Enable confident investment and architecture decisions

Optimised for speed & developer efficiency



Devops

We promote collaboration between IT, operations and security teams to accelerate deployments and improve efficiency. This Devops function helps our clients to work efficiently with our infrastructure to increase productivity and reduce errors.



Optimisation

We use CDN technologies such as Cloudflare CDN, and caching engines such as Redis to reduce the load on cloud infrastructure, which both speeds up website response times and reduces hosting costs.



Consultancy

Working with our production teams we can recommend website changes that will improve overall website performance such as image optimisations, code compression, and optimised page load orders.

Compliance credentials



ISO9001

All work completed through a defined and documented quality management process.



ISO27001

Risk management processes to identify, evaluate and mitigate potential threats.



Cyber Essentials Plus

CTI cyber security systems are regularly tested by cyber security experts.



Azure Certified

Azure certified systems administrators to help you get the most from your Azure stack.



AWS Certified Partners

AWS certified consultants and administrators to define, design and manage your AWS infrastructure.



Project Management & Delivery

Project Management & Delivery

How does the service work?

The service begins with a structured discovery phase to confirm scope, access, and objectives for the cloud infrastructure health check. This includes reviewing existing Azure and/or AWS environments, including platforms delivered or managed by third parties.

CTI Digital then conducts a detailed assessment of the cloud environment, reviewing architecture resilience, security and identity controls, network design, performance and scalability, operational practices, governance, and cost efficiency against recognised cloud best practices.

Findings are analysed to identify risks, misconfigurations, technical debt, and optimisation opportunities. These are prioritised based on impact, risk, and effort.

The service concludes with a comprehensive audit report and improvement roadmap, providing clear, actionable recommendations and next steps. Optional support for implementing recommendations can be discussed separately.



Infrastructure discovery

To design a solution that is secure, performance optimised and scalable, we must understand what it is being designed to deliver:



Traffic

A clear view of website traffic trends. Including seasonal peaks, traffic spike triggers and important dates.



Reporting

The metrics and KPIs that are important to know and understand for you as a business.



Compliance

Any specific data or security compliance standards that you must align with or evidence.



Dependencies

Any connected systems or services that make up the wider techstack and ecosystem.

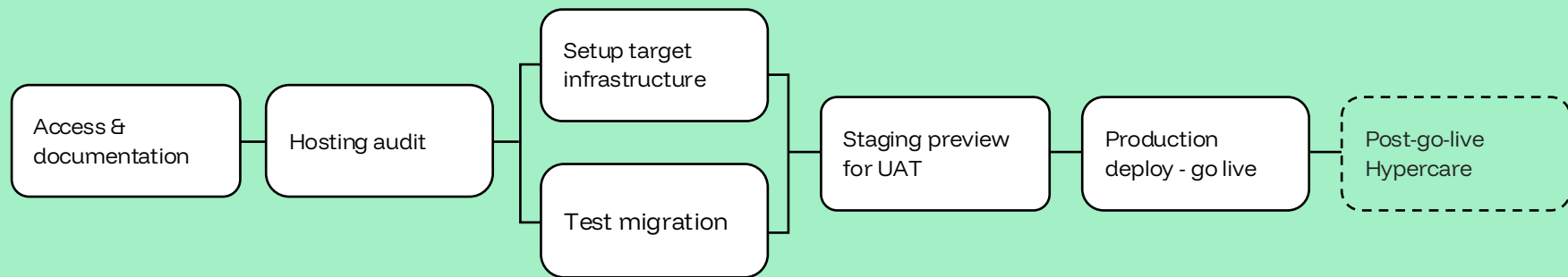


Current Specification

An understanding of the existing hosting architecture setup and justification of the core components.



A proven cloud migration process, tailored to your needs



Week 1

We request and gather access details to the existing infrastructure and any available documentation.

Week 2

We audit the current hosting platform to validate existing setup & configuration assumptions.

Week 3

We setup target infrastructure and complete a test migration, ready for testing.

Week 4

We test the migrated application and infrastructure and make available for client UAT. While you test we will document to go-live migration plan.

Week 5

We complete a final migration and go-live on the new cloud infrastructure.

Week 6-7

Our team is on hand to help with regard to any migration queries.

Always-on Support

Support & Management

We handle all aspects of infrastructure management, including migration, provisioning, configuration, and optimisation of cloud resources. Our proactive approach ensures that your cloud infrastructure remains optimised for performance, scalability, and cost efficiency at all times.



Standard office hours or 24/7 Support: CTI systems administrators operate a support service with engineers available for critical issues according to SLA.



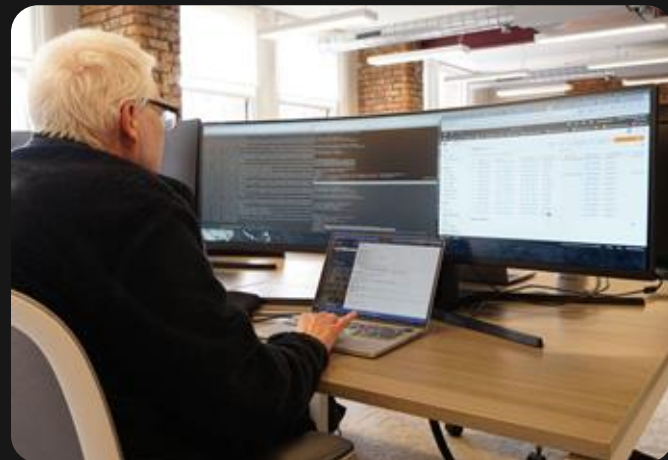
Alert Notifications: The hosting team is notified immediately via Slack notification, automated Jira ticket/issue creation, email notification and SMS text if our monitoring tools detect a problem with your infrastructure.



Proactive Management: The CTI team stay up to date with the latest trends, technologies and cloud hosting developments and proactively develop our cloud offerings to keep you ahead of the pack.



Disaster Recovery: Disaster recovery plans are documented and tested in line with our ISO 27001 management system, ensuring that backup restores can be relied upon when you need them most.



Onboarding & Offboarding

We tailor our onboarding process to align with the needs of the client and the project; as such, we will determine and discuss this based on your specific requirements.

We are experienced and proficient in migrating and deploying existing data from a variety of platforms onto our own hosting solutions. This ranges from migrating existing Adobe Commerce / Magento, Drupal, Umbraco, and bespoke services, to assistance and consultation preparing the hosting environments for in-house migration and deployment.

We are strong advocates of collaboration and planning. Simple service management and access tasks are easily handled by our support teams upon sign up and at point of request. We encourage scheduled meetings for discussion, planning, and training to drive alignment across teams. We also provide documentation to support a range of tasks, as well as documentation to support specific requirements.

We will provide a smooth offboarding process at the end of the contract (once payment has been made in full for services rendered) without barriers to data extraction or convoluted processes to follow.

We will assist where needed and if required, we can handle the extraction of data for you. Any data you require will be coordinated and enabled as required before the contract ends. At the end of your contract, your services will be deactivated and decommissioned.

Please note that any extension to the dates for the end of the contract would be agreed in advance and require an additional cost to complete.

Our partners

We have long standing relationships with many different partnerships; their individual solutions can be found on our website at:

<https://ctidigital.com/partners/>



Thank you





Get in touch

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