



Crown
Commercial
Service
Supplier



Service Definition

Web Application Firewall (WAF) & Content Delivery Network (CDN)

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

Web Application Firewall (WAF) and Content Delivery Network (CDN) for AWS, Azure & Upsun

We provide Web Application Firewall (WAF) and Content Delivery Network (CDN) services to protect, optimise and accelerate web applications and APIs, plus full management and ongoing support.

This includes direct provision of new WAF and CDN setups and taking over the management of existing configurations already in use with another supplier.

We can design, configure, deploy and operate numerous services across AWS, Azure and Upsun including WAF policies, rate limiting, bot/abuse controls, CDN caching and origin protection.

Our managed service approach focuses on proactive monitoring, continuous tuning as applications update, and responsive fully managed solutions for incidents and operational requests, so buyers get consistent security and performance without day to day operational overhead.



Service Offering - Key Features

Some of our key service features:

→ DDoS Protection & Bot Management leveraging Cloudflare's global Anycast network

→ Bespoke performance tools for improved site loads and response times

→ OWASP Top 10 mitigation via Cloudflare WAF for PHP/NodeJS apps

→ Custom routing behaviour via routing rules

→ Custom WAF profiles for AWS, Upsun, and Azure environments

→ Multiple SSL options

→ Custom WAF profiles for common attack vectors and libraries

→ Expert-led configuration by a certified Cloudflare service provider

→ Granular implementation of features as required

→ Deployment of Cloudflare Workers to optimize AWS/Azure/Upsun workloads

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

Service Offering - Key Benefits

Some of our key service benefits:

→ Cloudflare-backed protection against the most common OWASP attack vectors

→ Significant performance boosts through multiple technology routes

→ Direct access to partner-tier Cloudflare support and advanced configurations

→ Responsive protection against emerging threats, and increased mobile response times

→ Configurable protection specific to your applications and use cases

→ Better response times for increased global reach and performance

→ Migration support from legacy WAFs to Cloudflare managed solutions

→ Filter malicious traffic at the edge before hitting Upsun/AWS/Azure

→ Zero Trust security models (Cloudflare Access) support for internal tools

→ Fully managed and administered on your behalf

Cloudflare

Cloudflare helps keep websites safe, fast, and reliable. It helps prevent bad actors from attacking your website, speeds it up, and helps to keep it available. It also makes simplifies managing DNS and security, with features like SSL and web application firewalls. We recommend Cloudflare for all our infrastructure customers.



DDOS Protection: Configurable DDOS protection that automatically detects and mitigates against attacks.



Web Application Firewall: Protect your application with a WAF configured to protect against known vulnerabilities.



Access Controls: Custom access controls enable you to decide who can visit your website and who can't.



SSL Certificates: Easily manage site wide SSL protection and traffic encryption with Cloudflare free SSL.



Infrastructure monitoring

	Monitors: Website availability Setup: Configured for DNS and website monitoring with mission critical URL checks set up as needed. Alert Setting: 1 minute intervals		Monitors: Application Setup: This tool tracks and provides your web application performance details in real time. Alert Setting: 1 minute intervals
	Monitors: Server Logs Setup: Monitors are configured to check select data points and data events which will have defined thresholds for alerting. Alert Setting: 1 minute intervals		Monitors: Security Vulnerabilities Setup: Run bi-weekly to check for known application and infrastructure vulnerabilities. Alert Setting: Runs daily. Identified vulnerabilities patched within 3 days.
	Monitors: Server Logs Setup: Scalyr pulls server logs and metrics into a centralised, searchable system in real time allowing for accelerated error finding & troubleshooting. Alert Setting: 1 minute intervals		Monitors: Infrastructure & Applications. Setup: Amazon CloudWatch monitors your Amazon Web Services (AWS) resources and the applications you run on AWS in real time. Alert Setting: 30 minute intervals

The monitoring tools detailed above are examples from our suite of tools and may change depending on the project

Optimised for speed & developer efficiency



Devops

We promote collaboration between IT, operations and security teams to accelerate deployments and improve efficiency. This Devops functions 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.



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





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