

littlefish GROUP

Cloud Infrastructure & Apps

This offering brings together Cloud Architecture Consulting, Cloud Migration Services, and Cloud Native Development to deliver secure, scalable, and high-performing cloud platforms and applications. It covers cloud road mapping, architecture assessments, DevOps transformation, container enablement, and comprehensive application testing across AWS, Azure, and GCP.

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Service Overview

Littlefish Group is a UK-based provider of digital, cyber, managed and data & AI services, trusted by organisations across the public and commercial sectors. Through our Digital Solutions practice, we design and implement cloud-native platforms and modern workplaces that unlock potential, simplify operations, and create better user experiences.

Cloud Infrastructure – Apps is the Littlefish Consultancy Services line that focuses on architecture, planning and enablement of cloud platforms and application delivery across AWS, Azure and GCP.
It provides:

- Strategic cloud architecture consulting
- Actionable cloud roadmaps
- Evidence-based platform comparison and decision support
- Best practice reviews to optimise existing environments
- DevOps, container and cloud-native development enablement
- Application testing embedded into modern delivery pipelines
- This service line helps organisations translate business aspirations into secure, cost-effective and scalable cloud and application platforms.

Purpose

Organisations are challenged to:

- Choose the right cloud platforms and services to support their digital agendas
- Migrate and modernise applications at scale without disrupting operations
- Control cloud costs while improving performance and reliability
- Embed security and compliance into cloud architectures and delivery pipelines
- Modernise development and operations practices (DevOps, containers, serverless)

Cloud Infrastructure – Apps addresses these needs by:

- Providing structured, vendor-neutral architecture and roadmap engagements
- Embedding security, IAM and Zero Trust principles into cloud designs
- Accelerating adoption of DevOps, container and cloud-native patterns
- Validating quality and security through integrated application testing services

Service Model

Cloud Infrastructure – Apps is delivered as a portfolio of consulting and implementation services:

- Short, focused engagements (e.g. Best Practice Review, Cloud Comparison)
- Medium-term projects (e.g. Cloud Roadmap, DevOps Accelerator)
- Iterative build and modernisation for cloud-native development and container enablement

Engagements typically include:

- Discovery and assessment
- Design and recommendations
- Implementation support and knowledge transfer
- Optional handover to CloudOps for ongoing operations and optimisation

Service Scope

Cloud Infrastructure – Apps covers:

Cloud Architecture & Strategy

- Architecture & Consulting
- Cloud Roadmap
- Cloud Comparison & Decision

Cloud Optimisation & Governance

- Best Practice Review

DevOps & Platform Enablement

- DevOps Accelerator
- Container Enablement

Application Delivery & Quality

- Cloud Native Development
- Application Testing

Architecture & Consulting

Services:

- Assess current business, data, application and technology architectures
- Define architecture principles and governance (incl. security, identity, Zero Trust)
- Design baseline and target architectures for key workloads and platforms
- Specify requirements including IAM, PAM, compliance and operational constraints

Deliverables:

- Current and target architecture documentation
- Architecture principles and governance framework
- Capability and maturity assessment
- Architecture requirements specification

Outcome: A clear, secure and business-aligned architectural baseline for cloud transformation.

Cloud Roadmap

Services:

- Translate strategy into a sequenced set of cloud initiatives
- Prioritise migrations, modernisation and optimisation activities
- Integrate security, IAM, PAM and Zero Trust workstreams
- Provide cost and benefit projections for current vs target states

Deliverables:

- Roadmap Gantt chart with priorities and dependencies
- Success criteria and key measures
- Risks and issues log across the roadmap
- Cost estimates for current and future estate
- Security and compliance improvement roadmap

Outcome: An actionable, funded roadmap that links cloud initiatives to business value.

Cloud Comparison & Decision

Services:

- Evaluate AWS, Azure and GCP against business and technical drivers
- Assess platform capabilities for security, IAM, PAM and Zero Trust
- Analyse workload fit, portability and operational models

Deliverables:

- Comparative assessment report across candidate platforms
- Workload-level recommendations and platform choices
- Alignment to best-practice principles (cost, ops, security, reliability, performance)
- Guidance on integrating cloud IAM with existing identity platforms

Outcome: Confident, evidence-backed decisions on cloud platform strategy.

Best Practice Review

Services:

- Review existing cloud environments for cost, performance, reliability and security
- Assess DevOps processes, automation, monitoring and incident response
- Evaluate IAM, role design, privileged access and policy-as-code implementations

Deliverables:

- Findings and prioritised recommendations for short-, mid- and long-term improvements
- Advisory on CI/CD and DevOps improvements
- Security posture review and roadmap (IAM, PAM/PIM, Zero Trust, CSPM)

Outcome: Practical optimisation plan improving cloud hygiene, resilience, and cost-effectiveness.

DevOps Accelerator

Services:

- Evaluate and select appropriate application/container platforms and toolchains
- Design secure CI/CD reference architectures
- Integrate IAM, secrets management and Zero Trust concepts into pipelines and platforms

Deliverables:

- Platform evaluation and recommendation documents
- DevSecOps/CI/CD reference designs
- Implementation guidance or hands-on support
- Guidance on privileged operations and secure pipeline access

Outcome: Faster, more reliable software delivery with security embedded into the SDLC.

Container Enablement

Services:

- Design containerised architectures for target workloads
- Implement Kubernetes or equivalent container platforms
- Establish security baselines: RBAC, Pod Security, network policies, secrets management
- Define workload identities and integrate with cloud IAM

Deliverables:

- Container and platform architecture documents
- Implemented baseline configurations and patterns
- Operations and security runbooks

Outcome: Secure, scalable container platforms ready for modern application workloads.

Cloud Native Development

Services:

- Design and build greenfield or modernised cloud-native applications (serverless, microservices, containers)
- Implement infrastructure-as-code and CI/CD pipelines
- Embed observability and performance management
- Implement application security patterns (authN/authZ, service identity, API security, secrets management)

Deliverables:

- Cloud-native architectures and implementation patterns
- Infrastructure-as-Code and CI/CD configurations
- Observability stack design and configuration
- Application security design and guidance

Outcome: Modern, resilient and scalable applications that fully exploit cloud capabilities.

Application Testing

Services:

- Define and execute functional and non-functional testing for applications
- Integrate automated tests into CI/CD processes
- Extend testing to cover security and identity behaviours (authN/authZ, role-based access, session management)

Deliverables:

- Test strategies and detailed test plans
- Automated test suites and CI/CD integration
- UAT and production readiness reports
- Security and identity-focused test packs

Outcome: Higher quality releases and reduced production risk through comprehensive, integrated testing.

Service Outcomes

By engaging Cloud Infrastructure – Apps, customers can expect:

- Robust, well-architected cloud platforms aligned to business strategy and best practice
- Improved performance and reliability through optimal design, tuning and observability
- Optimised cloud spend via right-sizing, governance and continuous optimisation
- Enhanced security and compliance with strong IAM, PAM and Zero Trust-aligned patterns
- Accelerated delivery through DevOps, container enablement and cloud-native architectures
- Higher software quality due to integrated testing and continuous feedback loops

Summary

Cloud Infrastructure – Apps delivers expert guidance and implementation for building, optimising, and securing cloud platforms and applications across AWS, Azure, and GCP. We empower organisations to accelerate digital transformation, enhance application quality, and achieve cost-effective, resilient cloud operations through strategic architecture and modern DevOps practices.

Security and Assurance

Information Assurance

Littlefish are an ISO9001 and ISO27001 certified organisation (copy of certificates available on request). We are accredited to Cyber Essentials and Cyber Essentials Plus. All Littlefish personnel are BPSS checked as standard. A significant number of our Service Desk team are both CTC and SC cleared and some are DV cleared.

About Littlefish

- Littlefish is an award-winning Cloud based Manage d IT Services Provider. Through our capability and delivery of service excellence we have become an established and credible alternative to the 'usual suspect' large Multi £Billion Managed Service Providers and IT Outsourcers in the mid-market and enterprise.

- Our purpose is to disrupt the conventional Managed IT Services models – where the usual suspects typically fail to perform – by delivering service solutions that are tailored to the precise needs of your organisation and which are communicated in clear and straightforward language. Our people (and users) first approach delivers a higher quality experience and will add tangible business value to your organisation.

Our service solutions are designed to consider and deliver tangible outputs in terms of improved business performance. The IT experience of your users can be enhanced to promote more agility and improved quality output. Furthermore (but often overlooked), highly available, better performing IT services, with expert support on hand when it's needed to get your users working again, can engender employee health and well-being. Because of these deliverables, workforce productivity levels are increased, and it's likely that our highly attuned service model will also enable you to effect cost-efficiency gains. What's not to like!

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MICROSOFT SPECIALISATIONS AND DESIGNATIONS

Microsoft Solutions Partner
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Azure

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AI Platform on Microsoft Azure
Low Code Application Development
Intelligent Automation

Microsoft Solutions Partner
Modern Work

Specialist
Modernize Endpoints
Copilot
Adoption and Change Management

Microsoft Solutions Partner
Security

Specialist
Cloud Security
Threat Protection
Copilot

Microsoft Solutions Partner
Business Applications

Specialist
Copilot
Intelligent Automation
Low Code Application Development
Small and Midsize Business Management

Microsoft Solutions Partner
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Azure

Specialist
AI Platform on Microsoft Azure

Microsoft Solutions Partner
Microsoft Cloud

Microsoft Solutions Partner
Infrastructure
Azure

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CRN CHANNEL AWARDS 2025
MSP OF THE YEAR

MSP CHANNEL AWARDS
MSSP OF THE YEAR 2025

CREST SECURITY OPERATIONS

CYBER ESSENTIALS CERTIFIED PLUS

ISO 27001 ISOQAR REGISTERED
ISO 9001 ISOQAR REGISTERED
ISO 14001 ISOQAR REGISTERED