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cloud architects

The Server Labs G-Cloud 15 Service Description

G-Cloud 15 Service Definition – Well Architected And Continuous Improvement Services

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Well-Architected Diagnostic (Baseline) for AWS

Overview

The Server Labs delivers a structured Well-Architected diagnostic that makes architectural risk, maturity, and improvement opportunities visible and actionable.

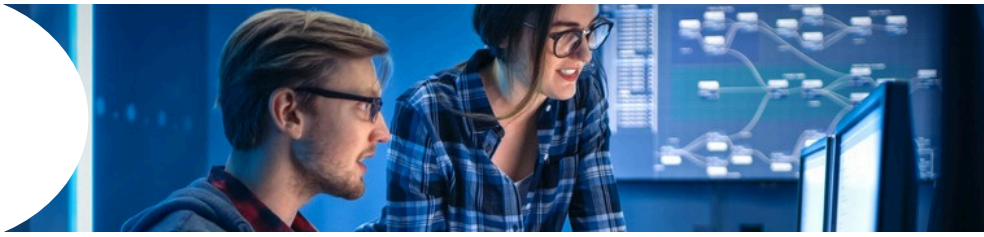
Too often, Well-Architected Reviews stop at insight. Findings are documented, shared, and then parked, while the same issues resurface in later reviews or audits. This diagnostic establishes a clear baseline across the AWS Well-Architected pillars and the TSL AI Readiness Index, providing a factual view of where the platform stands today and where targeted intervention will deliver the greatest impact

Benefits

- Establishes a clear architectural maturity baseline
- Surfaces risk and opportunity across the AWS pillars
- Connects technical findings to business impact
- Identifies priority areas for remediation and investment
- Provides a foundation for AI-ready platform design

What this service provides

A Well-Architected Review is most valuable when it creates momentum.
This service delivers an accelerated, engineering-led diagnostic across the six AWS Well-Architected pillars, augmented with the TSL AI Readiness Index. Together, these provide a holistic view of architectural quality, operational risk, and readiness for modern capabilities such as AI, data platforms, and large-scale compute.
The diagnostic examines how the AWS environment performs in practice across security, reliability, performance efficiency, cost optimisation, operational excellence, and sustainability. The AI Readiness Index adds an additional lens, assessing whether architectural foundations such as data access, security boundaries, scalability, and operational maturity are sufficient to support AI workloads without rework.
Findings are consolidated into a clear maturity and risk view that highlights not just what is wrong, but where improvement will deliver measurable value. The emphasis is on prioritisation and action, rather than exhaustive documentation.



Who is this for

This service is suited to organisations that want a clear, objective view of their AWS architecture before committing further investment or transformation.

It is particularly relevant where platforms support, or are expected to support, advanced use cases such as AI, data-intensive workloads, regulated systems, or large-scale modernisation programmes.

What's included

- Accelerated Well-Architected Review across six AWS pillars
- AI Readiness Index assessment overlay
- Architectural maturity baseline and risk profile
- Visual heatmap of findings and priority areas
- Identification of high-impact remediation opportunities
- Clear linkage between findings and next-step interventions

Delivery Approach

The diagnostic is delivered through a focused review engagement designed to establish a factual baseline quickly.

Work begins with structured workshops and analysis aligned to the AWS Well-Architected Framework, supported by targeted review of architecture, configuration, and operating practices. The AI Readiness Index is applied in parallel, using the same evidence base to assess readiness for modern, data-driven workloads.
Findings are analysed to produce a consolidated view of maturity, risk, and remediation effort. Rather than treating all findings equally, the output highlights where targeted intervention will deliver the greatest improvement in resilience, security, cost control, and future capability.
The result is a clear starting point for remediation, optimisation, or strategic platform investment.

Key Deliverables

- Well-Architected Diagnostic Report
- Architectural maturity and risk heatmap
- AI Readiness Index assessment results
- Prioritised findings and improvement themes
- Executive-level summary and recommendations

AWS Services & Framework Alignment

This service is aligned to the AWS Well-Architected Framework and is delivered using guidance and tooling provided by Amazon Web Services.

The diagnostic typically references:

- AWS Well-Architected Framework and Tool
- Security, Reliability, Performance, Cost, Operational Excellence, and Sustainability pillars
- TSL AI Readiness Index for modern capability assessment

The specific areas reviewed will vary depending on workload scope, platform complexity, and business objectives.

Pricing & Commercial Model

- **Engagement Model**: Professional Services
- **Pricing**: Please contact TSL for details of pricing models available
- **Procurement**: Available via G-Cloud 15 and AWS Marketplace

WAR Remediation Sprint Packs for AWS

Overview

The Server Labs delivers focused remediation sprints that resolve high-impact architectural risks identified through Well-Architected diagnostics, without introducing unnecessary programme overhead.

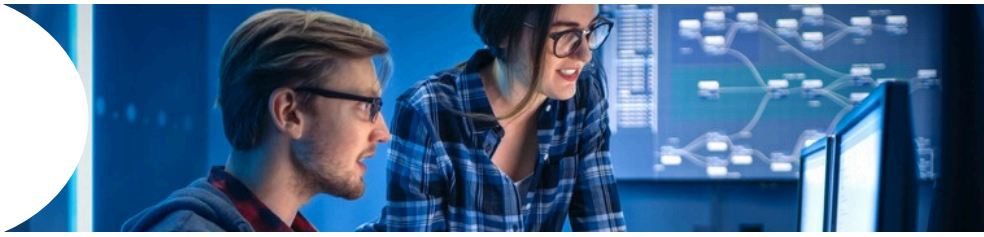
Rather than attempting broad transformation, these sprint packs target specific weaknesses in security, reliability, performance, cost control, or operational practice. Each sprint applies proven architectural patterns and automation to correct issues at their root, leaving behind durable improvements that client teams can extend through ongoing continuous improvement.

Benefits

- Addresses the most material architectural risks first
- Delivers concrete improvements, not recommendations
- Applies proven patterns with minimal disruption
- Reduces repeat findings in future reviews
- Creates clean handoff into continuous improvement

What this service provides

Well-Architected Reviews often surface known issues, but resolving them requires time, focus, and architectural judgement.
Remediation Sprint Packs provide a practical mechanism for fixing priority findings decisively. Each sprint is scoped around a small number of high-impact issues, selected based on risk, effort, and downstream dependency rather than completeness. Typical focus areas include identity and access weaknesses, resilience gaps, performance bottlenecks, inefficient cost structures, or operational anti-patterns.
Remediation is carried out directly in the AWS environment, using established reference architectures, automation, and configuration standards. Changes are implemented with an emphasis on correctness, repeatability, and alignment to agreed architectural principles, avoiding tactical fixes that introduce future risk.
The intent is not to permanently embed The Server Labs into delivery, but to correct the platform trajectory and leave behind patterns and configurations that internal teams can build on.



Who is this for

This service is suited to organisations that have completed a Well-Architected Diagnostic and need to act on the findings without launching a large transformation programme.

It is particularly relevant where specific architectural risks must be addressed before scaling workloads, enabling AI or data platforms, or meeting regulatory or operational commitments.

What's included

- Selection of priority Well-Architected findings
- Clearly defined remediation scope and success criteria
- Direct implementation of architectural improvements
- Use of automation, templates, and reference patterns
- Validation of remediation outcomes
- Handover of patterns and configurations to client teams

Delivery Approach

Remediation Sprint Packs are delivered as short, focused engineering engagements designed to minimise disruption while maximising impact.

Each sprint begins with confirmation of the findings in scope and agreement on the intended architectural outcome. Remediation work is then executed by senior architects and engineers, applying changes directly to the platform and validating outcomes against the original diagnostic findings.

At the end of each sprint, outcomes are reviewed with the client team to confirm risk reduction and architectural alignment. Patterns, configurations, and decisions are documented sufficiently to allow teams to extend and refine them through the Continuous Improvement Cadence, rather than requiring further external intervention.

Key Deliverables

- Implemented remediation changes in AWS
- Confirmation of resolved findings and residual risks
- Updated architectural patterns or configurations
- Validation summary aligned to Well-Architected pillars
- Clear recommendations for follow-on improvement

AWS Services & Framework Alignment

This service remediates findings identified through the AWS Well-Architected Framework and applies improvements using capabilities provided by Amazon Web Services.

The specific services and configurations addressed vary depending on the findings in scope and may span security, reliability, performance efficiency, cost optimisation, and operational excellence.

Pricing & Commercial Model

This service is delivered as Professional Services.

Pricing is provided on request and is typically based on the number and complexity of findings addressed within each sprint. Sprint-based delivery provides clear scope, predictable cost, and visible outcomes.

WAR Continuous Improvement Cadence for AWS

Overview

The Server Labs establishes a disciplined, evidence-led improvement cadence that keeps AWS platforms aligned to architectural best practice as they evolve.

Rather than relying on periodic reviews or ad hoc remediation, this service introduces a structured operating rhythm that combines architectural review, telemetry, and prioritised intervention. It ensures that improvements made through Well-Architected diagnostics and remediation sprints are sustained, measured, and extended over time as the platform changes.

Benefits

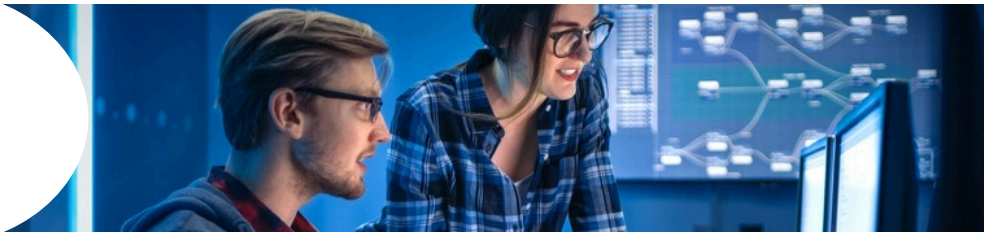
- Maintains architectural quality as platforms scale
- Uses telemetry and evidence, not opinion
- Prevents regression after remediation work
- Connects architecture to delivery and operations
- Supports long-term AI and data readiness

What this service provides

Architectural quality degrades quietly unless it is actively maintained.

This service defines a repeatable improvement cycle that combines Well-Architected principles with live platform signals. Rather than re-running full reviews, the cadence focuses on tracking a bounded set of architectural risk themes and validating whether controls, patterns, and practices continue to operate as intended.

The cadence incorporates technical telemetry from the AWS platform — including configuration state, control coverage, and operational signals — alongside structured architectural review. This allows teams to detect drift early, assess the impact of change, and prioritise corrective action before risk accumulates.
Improvement is treated as an engineering discipline. Findings are translated into concrete backlog items, remediation is tracked to completion, and outcomes are validated against agreed criteria. The cadence provides a clear mechanism for deciding what to fix next, what to accept, and what to defer, based on evidence rather than debate.



Who is this for

This service is suited to organisations operating shared or fast-changing AWS platforms where architectural quality must be preserved under continuous delivery.

It is particularly relevant where AI capabilities, data platforms, or regulated workloads are being introduced incrementally, and where architectural decisions made today must remain safe and supportable over time.

What's included

- Definition of a structured improvement cadence
- Architectural risk and theme tracking model
- Telemetry and evidence inputs for review cycles
- Prioritisation criteria for remediation decisions
- Backlog integration guidance for delivery teams
- Review artefacts and technical decision records
- Initial cycles run jointly to establish discipline

Delivery Approach

The engagement focuses on establishing a durable operating model rather than delivering one-off outputs.

Work begins by defining the scope of architectural concerns to be tracked, the evidence sources to be used, and the frequency of review. This typically includes configuration and control telemetry, outputs from security, resilience, and compliance tooling, and results from previous remediation work.

The Server Labs then helps implement the cadence in practice: running initial review cycles, validating how evidence is interpreted, and refining prioritisation criteria. The emphasis is on making decisions explicit, repeatable, and grounded in observable platform behaviour.
Once established, the cadence becomes part of normal platform operation, with teams responsible for executing reviews, updating backlogs, and validating outcomes without external dependency.

Key Deliverables

- Continuous Improvement Cadence definition
- Architectural risk and theme register
- Evidence and telemetry review model
- Prioritisation framework for remediation
- Backlog integration and tracking guidance
- Outputs from initial improvement cycles

AWS Services & Framework Alignment

This service builds on the AWS Well-Architected Framework and leverages telemetry and controls provided by **Amazon Web Services.**

It is designed to align with existing security, resilience, compliance, DevSecOps, and FinOps practices, providing a single architectural lens across multiple technical domains.

Pricing & Commercial Model

-**Engagement Model**: Professional Services

-Pricing is provided on request and is typically suitable for fixed-price delivery, reflecting the structured nature of the engagement and the limited dependency on environment size.

Managed Continuous Assurance Wrap for AWS

Overview

The Server Labs provides a managed assurance wrap that sustains architectural quality on AWS through continuous validation, telemetry, and disciplined review.

As platforms scale and change accelerates, architectural drift is inevitable without active oversight. This service extends the Continuous Improvement Cadence into an ongoing assurance model, ensuring that security, reliability, cost, and operational practices remain aligned to Well-Architected principles as new workloads, teams, and capabilities are introduced.

Benefits

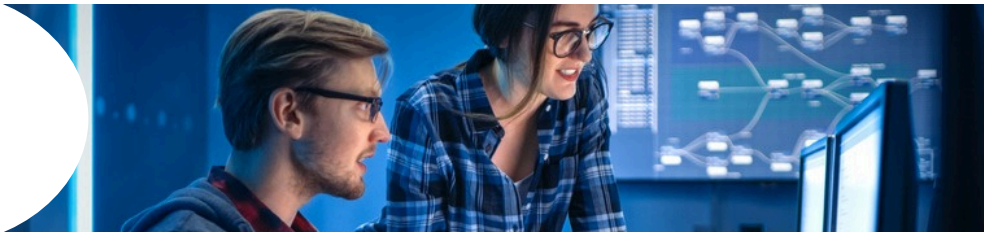
- Sustains architectural quality between formal reviews
- Detects drift using live platform evidence
- Maintains focus on material risk and maturity
- Reduces repeat findings and surprise audits
- Supports long-term AI and data platform evolution

What this service provides

Assurance is only meaningful if it is continuous.

This service provides an ongoing architectural assurance layer that validates whether agreed patterns, controls, and practices continue to operate as intended. Rather than re-running full diagnostics, the focus is on monitoring a defined set of architectural risk themes using telemetry, evidence, and structured review.

The assurance wrap brings together signals from across the platform — configuration state, control coverage, operational indicators, and outputs from security, resilience, and compliance tooling. These signals are reviewed on a regular cadence to identify drift, emerging risk, or degradation in maturity before issues become systemic.
Findings are framed as engineering decisions: what must be corrected, what can be tolerated, and what requires strategic intervention. The service supports informed decision-making without introducing approval gates or delivery friction.



Who is this for

This service is suited to organisations operating complex or regulated AWS platforms where architectural integrity must be preserved over time.

It is particularly valuable where platforms underpin AI execution, data services, or mission-critical workloads, and where leadership needs ongoing confidence that the architecture remains safe, scalable, and aligned to best practice.

What's Included

- Ongoing architectural assurance reviews
- Telemetry and evidence-led drift detection
- Tracking of agreed architectural risk themes
- Validation of remediation outcomes over time
- Periodic assurance summaries and insights
- Integration with existing platform and CCoE forums

Delivery Approach

The Managed Continuous Assurance Wrap builds directly on the Continuous Improvement Cadence.

At the outset, the scope of assurance is agreed, including which architectural themes are tracked, which telemetry sources are used, and how often assurance reviews are conducted. The Server Labs then operates the assurance cycle, reviewing evidence, identifying deviations, and validating that prior improvements remain effective.

Outputs focus on clarity and action rather than volume. Issues are surfaced early, prioritised based on impact, and fed back into the client's improvement backlog or remediation mechanisms. Over time, this creates a stable feedback loop that maintains architectural quality without repeated large-scale reviews.

The service is deliberately light-touch, reinforcing discipline without displacing client ownership.

Key Deliverables

- Periodic architectural assurance summaries
- Drift and deviation analysis
- Validation of sustained remediation outcomes
- Updated architectural risk and maturity view
- Actionable recommendations for next interventions

AWS Services & Framework Alignment

This service sustains alignment with the AWS Well-Architected Framework and uses telemetry and controls provided by Amazon Web Services.

It complements Zero Trust, DevSecOps, Resilience, Compliance, and FinOps services by providing a single architectural assurance lens across all domains.

Pricing & Commercial Model

This service is delivered as a managed Professional Services wrap.

Pricing is provided on request and is typically offered as a quarterly or annual retainer, reflecting the ongoing nature of assurance and review.

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TSL Company Profile

Founded in 2004, TSL are cloud architects and integrators.

We offer a full range of lifecycle cloud solutions and services, from consultancy, software/application development, to cloud architecture design, and integration, to fully managed services.

Our specialisations are High Performance Computing and AI/ML deployed in highly secure cloud environments, with best practice built in from day one.

Our clients include private and public organisations, with an emphasis on those processing large amounts of data in mission critical environments, particularly in the Lifesciences, Utilities, Banking, Space, Metrology and Telecoms sectors.

aws PARTNER Advanced Tier Services

aws PARTNER Migration and Modernization Services

aws PARTNER Well-Architected Partner Program

CfA Centre for Assessment ISO 27001 Information Security

UKAS MANAGEMENT SYSTEMS 0120

CYBER ESSENTIALS PLUS

The Server Labs 3 Layer Service Map

AI Readiness

- **Ultra Compute** — Scalable, Burstable, Parallel Compute Orchestration
- **Data Fabric** — Massive Scale, Optimised, Multimodal Data Platforms

Cloud Maturity Accelerators

- Cloud Migration Factory & Migrations
- Cloud Adoption Accelerator & Landing Zones
- Cloud Modernisation & Optimisation Toolkits
- Cloud Centre Of Excellence Rollout Accelerator

Trusted Foundations

- Zero-Trust Security Blueprint & Security Hardening Toolkit
- FinOps and Sustainability Toolkit
- Backup, Resilience & SRE Best Practice Blueprints
- Sovereignty & Regulatory Compliance Toolkits
- Modern DevSecOps Automation Practices
- Well Architected

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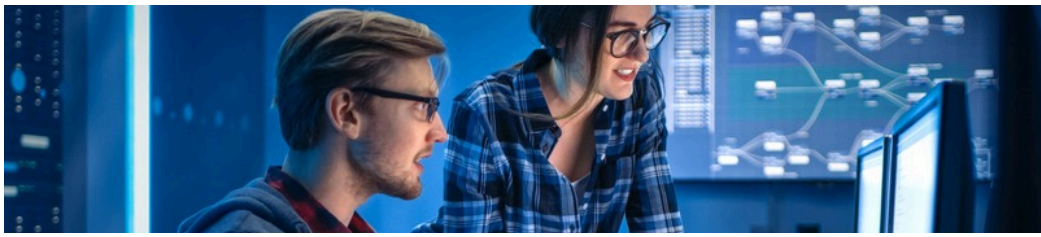

The Company's mission is:

- To provide expert services in the field of cloud architectures, High Performance Computing, and advanced cloud software engineering
- To radically improve cloud software development processes
- To help organisations achieve better business results through the correct use of cloud technologies
- To create high quality innovative cloud software solutions, providing added value to our customers

The specific value, experience and expertise that The Server Labs can provide are:

1. **Technical excellence** and capability to act as lead on architectural decisions and as technology expert in software and system subjects.
2. **Proven experience** in implementing HPC, FinOps, Cloud Security and Big Data Projects.
    - FinOps sustainable change management to enable innovation
    - Industry leading experts in high performance computing
    - Cloud security and sensitive, big data management and processing
3. **Cloud migration**: Proven track record in migrating large, complex and sensitive dataset from on-premise to cloud environments and from legacy to target cloud.
4. **Architecture experience** at software and system level.

AWS MAP and WAF certified

TSL have achieved AWS MAP competence, which is a rigorous and demanding standard to achieve and few boutique consultancies like TSL have achieved this.

Our architects and engineers are experts with an average of 10 years' experience in the planning, design and development of complex software systems. Our multinational team has been a pioneer in cloud native service, serverless computing, automation, infrastructure as code, and distributed architectures, and has the required hands-on experience in many state of the art technologies.

The Server Labs is a leader in cloud computing solutions and services, helping organisations to move to the cloud at all levels.

Ready to lead the future?

Explore what's possible with TSL—
where innovation meets execution.
Contact us today to start your journey.

Visit our website | Email us

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