

Service Definition – QA Data Science Infrastructure and Applications Health Check

Overview

Jumping Rivers provides an independent quality assurance (QA) health check for data science infrastructure and applications, including cloud environments, Posit platforms, AI systems, and supporting services. The service assesses security, performance, configuration, integrations, and operational readiness to identify risks, gaps, and improvement opportunities.

Scope of Service

The health check typically includes:

- Review of infrastructure and cloud deployments (VMs, networking, IaC)
- Assessment of data source and authentication integrations
- QA testing of hosted data science and AI applications
- Security, resilience, and performance evaluation
- Review of configuration, version control, and deployment practices

Delivery Approach

The engagement begins with a short discovery phase to understand the environment and objectives. Jumping Rivers then performs technical reviews and QA testing, followed by analysis and reporting. Optional expert support can be provided to implement recommendations.

Outputs

- QA assurance report detailing findings and risks

- Prioritised, actionable recommendations
- Gap analysis against best practices and buyer requirements
- Optional remediation and improvement plan

Pricing Model (Indicative)

Services are delivered on a time and materials basis at a **day rate of £1,200 per consultant**. Typical health check projects range between **15–25 days**, depending on system complexity. Final pricing is agreed following discovery.

Benefits

- Improved security and reduced operational risk
- Clear roadmap for system improvements
- Increased performance and reliability
- Confidence in data science and AI platforms
- Potential cost savings through optimisation