

Validated (QA) Data Science Infrastructure, Posit, AI DataBricks, Snowflake

Objective

To deploy and validate secure, reproducible data science infrastructure and platforms (including Posit, AI applications, Databricks and Snowflake-ready environments) using predefined QA-tested infrastructure and code. The service ensures performance, security, disaster recovery readiness, and seamless integration within the buyer's wider cloud architecture.

Scope of Work

Phase 1 – Discovery & Design (3–4 days)

- Review buyer requirements and existing environment
- Confirm architecture, integrations, and security needs

Phase 2 – Infrastructure & Platform Deployment (8–10 days)

- Setup infrastructure code base (IaC)
- Provision and configure VMs
- Deploy supporting infrastructure
- Install Posit products / AI tools
- Configure authentication and data integrations

Phase 3 – QA Validation & Optimisation (4–6 days)

- QA testing of environment
- Security and performance checks
- Cost efficiency review
- Disaster recovery considerations

Phase 4 – Handover & Documentation (2–3 days)

- Delivery of user handbook and technical documentation
- Knowledge transfer and onboarding

Indicative Cost Breakdown (£1,200 per day)

Workstream	Estimated Days	Estimated Cost
Discovery & Design	4 days	£4,800
Infrastructure & Platform Deployment	10 days	£12,000
QA Validation & Testing	5 days	£6,000
Documentation & Handover	3 days	£3,600
Estimated Total	22 days	£26,400