

Technical Debt Assessment & Remediation

G-Cloud 15





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1 Service Overview

Capgemini's Technical Debt Assessment & Remediation service helps UK public sector organisations regain agility, reduce operational risk, and unlock modernisation opportunities by addressing accumulated technical debt. Delivered as a modular offering - Assessment, Remediation, and Continuous Optimisation - it provides flexibility to tailor engagement to specific needs. Leveraging AI-powered code analysis, architecture reviews, and ESOAR principles, we deliver actionable insights and prioritised remediation plans aligned with government security and compliance standards. This service accelerates cloud-native transformation, improves resilience, and enables future-readiness for emerging technologies such as AI and automation.

2 Business Need

Public sector organisations often operate on legacy systems burdened by years of incremental changes, customisations, and deferred upgrades. This technical debt constrains innovation, increases security vulnerabilities, and inflates maintenance costs. In today's environment - where digital services, cost efficiency, and compliance are critical - unmanaged technical debt poses a strategic risk. Without structured remediation, organisations face escalating costs, reduced agility, and barriers to adopting cloud and AI solutions. Capgemini addresses these challenges by providing a comprehensive, context-aware approach that aligns remediation with business priorities, regulatory obligations, and transformation goals.

3 Our Approach

Capgemini applies a three-phase modular methodology designed for clarity, flexibility, and measurable outcomes. Each phase includes detailed activities, deliverables, and expected outcomes to ensure transparency and alignment with business objectives.

3.1 Phase 1: Assessment

We begin by establishing a clear understanding of the current technical and architectural landscape and identifying areas of risk and opportunity.

Key Activities

- Conduct AI-driven code scanning and technical debt profiling
- Validate and assess the application portfolio for fitness and criticality
- Perform architecture compliance checks against government and industry standards
- Map dependencies and integration points across systems and platforms
- Analyse future-state architecture options to support modernisation goals

Deliverables

- Comprehensive technical and architectural assessment report
- Prioritised remediation roadmap
- Risk and compliance heatmap

Expected Outcomes

- Clear visibility of technical debt and architectural risks
- Actionable plan aligned with business and technology objectives



- Stakeholder alignment and informed decision-making

3.2 Phase 2: Remediation

We execute targeted interventions to reduce technical debt and improve architecture, leveraging automation and modernisation frameworks for efficiency and impact.

Key Activities

- Refactor or re-platform applications based on architectural assessment
- Implement ESOAR principles to optimise processes and system design
- Enable migration to cloud-native or hybrid architectures
- Conduct architecture validation and performance benchmarking post-remediation

Deliverables

- Updated architecture diagrams and compliance artefacts
- Refactored and optimised application components
- Cloud migration plan and execution support

Expected Outcomes

- Improved architectural integrity and scalability
- Reduced operational risk and maintenance overhead
- Enhanced security and compliance posture

3.3 Phase 3: Continuous Optimisation

We embed governance and monitoring mechanisms to sustain architectural improvements and prevent future technical debt accumulation.

Key Activities

- Implement architecture governance dashboards and predictive analytics
- Conduct periodic architecture reviews and optimisation workshops
- Provide skills transfer for architecture and design best practices
- Establish continuous improvement cycles for technology and architecture

Deliverables

- Architecture governance dashboards with real-time metrics
- Optimisation recommendations and quarterly architecture review reports
- Knowledge transfer toolkit for architecture teams

Expected Outcomes

- Sustained architectural health and performance
- Proactive risk management and adaptability
- Empowered teams for ongoing modernisation and governance



4 Buyer Responsibilities

Please refer to the Supplier Terms listed with this service on the Platform. These may contain additional Buyer obligations/costs the Buyer is subject to that are not identified anywhere else in the Supplier's Application or on the Platform.

5 Service Management

Priced per SFIA Rate Card. Available on Time & Materials or Fixed Price basis.

6 Protection of Data

This service is based on a security classification of 'Official', however should you have a requirement for a different security classification that you would like us to consider, please contact us to discuss.

7 On-boarding and Off-boarding

Prior to the execution of the Order, the Supplier and the Buyer will agree the scope of the exit plan for the Services and a timescale for delivering an exit plan to ensure continuity of service.

Capgemini shall undertake on-boarding and off-boarding activities agreed within the Order Form (including as a minimum an exit plan in line with the Call-Off Contract terms) which will be charged for in accordance with the Pricing section for this service.

8 Skills and Knowledge Transfer

Capgemini recognises that skills and knowledge transfer is a critical element in the provision of G-Cloud services to public sector clients. Where possible and applicable, this forms part of the delivery plan for the service agreed at the start of the engagement. Our consultants and engineers are experienced in providing skills and knowledge transfer for major private and public sector clients.

Where appropriate, we may use a standard approach, tailored to topic, skills-gap and individual, to ensure consistency and effectiveness. The approach, Capgemini's Assess-Plan-Implement framework, has been used repeatedly by our teams to structure the work involved in transferring skills and creating new teams capable of driving and sustaining change long after the end of the formal programme. The framework can be applied throughout a project to understand knowledge transfer objectives, plan training delivery methods and materials, and deliver and evaluate success.

9 Partnerships/Alliances

This section is intentionally left blank.



10 Vendor Accreditations/Awards

Architecture Accreditation

- TOGAF 10.0
- SAFe Architect
- AWS Practitioner and Architect
- Azure Fundamentals
- Azure Solution Architect

11 Sub-contractors

Capgemini UK may use the following subcontractors to deliver this service:

- Capgemini Technology Services India Limited.

12 Business Continuity and Disaster Recovery

No disaster recovery plan is provided as part of these Services.

13 Pricing

This service is priced in accordance with the Rate Card attached. Capgemini can also provide offshore resources at reduced rates where appropriate. Projects can be priced either on a Time & Materials or Fixed Price basis.

14 Ordering and Invoicing

Please refer to the Supplier Terms for this service.

This service is priced in accordance with the SFIA Rate Card attached. Capgemini can also provide offshore resources at reduced rates where appropriate. Projects can be priced either on a Time-&Materials or Fixed Price basis.

We would be pleased to arrange a call or meeting to discuss your requirements of our service in more detail.

All prices are in GBP and exclude VAT.

15 Termination Terms

Please refer to the Supplier Terms for this service.



16 Further Information

For more information about this or any of our G-Cloud services, please contact our Public Sector Team.

Phone: 0370 904 4858

Email: publicsector.opps.uk@capgemini.com including the following information:

1. The name of this service "Technical Debt Assessment & Remediation".
2. The name of your organisation.
3. Your name and contact details.
4. A brief description of your business situation.
5. Your preferred timescales for starting the work.



About Capgemini

Capgemini is a global business and technology transformation partner, helping organizations to accelerate their dual transition to a digital and sustainable world, while creating tangible impact for enterprises and society. It is a responsible and diverse group of 340,000 team members in more than 50 countries. With its strong over 55-year heritage, Capgemini is trusted by its clients to unlock the value of technology to address the entire breadth of their business needs. It delivers end-to-end services and solutions leveraging strengths from strategy and design to engineering, all fueled by its market leading capabilities in AI, generative AI, cloud and data, combined with its deep industry expertise and partner ecosystem. The Group reported 2024 global revenues of €22.1 billion.

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