

Service Definition Document for G-Cloud 15 Services

Secure Network Architecture and Design

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Table of Contents

- 1 Service Definition for Secure Network Architecture & Design 3**
 - 1.1 Introduction..... 3
 - 1.2 Overview of services 3
- 2 Service Descriptions 4**
 - 2.1 Security-by-Design Architecture..... 4
 - 2.2 Standards, Patterns & Architectural Consistency 5
 - 2.3 Future-Ready Network Design 6
- 3 Commercial Arrangements 7**
 - 3.1 Parent Company Guarantee (PCG) 7
 - 3.2 Use of subcontractors and partners 7
 - 3.3 Pricing 7
 - 3.4 Ordering and invoicing process..... 7
 - 3.5 Client responsibilities 8
 - 3.6 Accreditations 8
- 4 About NTT DATA..... 9**
 - 4.1 Globally 9
 - 4.2 In the UK 9
 - 4.3 How we help our clients 9
 - 4.4 Trade body membership and accreditations 10
 - 4.5 Services..... 10
 - 4.6 Further information 10

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1 Service Definition for Secure Network Architecture and Design

1.1 Introduction

This is the Service Definition Document for NTT DATA UK Ltd (NTT DATA) Secure Network Architecture & Design services on the G-Cloud Framework. The information provided in this document is required by the G-Cloud framework and is designed to help clients determine how these services can meet their requirements.

1.2 Overview of services

1.2.1 Secure Network Architecture & Design Services

Secure Network Architecture & Design Services support organisations in defining and designing enterprise-grade, secure network architectures that deliver resilient, scalable, and high-performance connectivity. Leveraging the latest networking and security technologies and industry best practices, these services ensure network designs are aligned to business, security, and compliance requirements across on-premises, cloud, hybrid, and AI-ready environments.

These services specifically focus on:

- **Security-by-Design Architecture** – embedding security controls, segmentation, and policy enforcement into network designs from the outset to reduce risk and improve resilience.
- **Standards, Patterns & Architectural Consistency** – defining enterprise-wide architecture standards, reference designs, and reusable patterns to enable consistent, compliant delivery.
- **Future-Ready Network Design** – ensuring network architectures are scalable and adaptable to support emerging technologies, including AI workloads and data-intensive platforms.

See Section 2 for full-service descriptions.

2 Service Descriptions

2.1 Security-by-Design Architecture

2.1.1 Introduction

Security-by-Design Architecture enables organisations to embed security controls and risk mitigation measures into network architectures from the outset, rather than treating security as a bolt-on capability. The service ensures that network designs are resilient, compliant, and aligned to organisational risk appetite, supporting secure operations across on-premises, cloud, hybrid, and AI-ready environments.

Typical use cases include:

- Designing secure network architectures for new platforms, programmes, or digital initiatives
- Embedding segmentation, policy enforcement, and secure access models into enterprise networks
- Reducing security risk and complexity through consistent, standards-based design
- Supporting regulatory, compliance, and assurance requirements through secure architecture patterns

2.1.2 Scope

The service covers the definition and design of secure network architectures, including security zoning, segmentation models, trust boundaries, access control, and policy enforcement. It applies across enterprise networking technologies such as routers, switches, firewalls, load balancing, and cloud networking services. The scope includes alignment to security frameworks, organisational standards, and compliance requirements, ensuring designs are suitable for both traditional and AI-driven workloads.

2.1.3 Approach

The service is delivered using a structured, security-first architectural approach informed by industry best practices and NTT DATA's experience designing secure networks for large, complex organisations. Security requirements are assessed alongside business and operational needs to ensure balanced, pragmatic designs.

We work with industry-leading technology vendors and apply proven architectural patterns to deliver secure, scalable, and operable solutions. Drawing on experience from some of the world's largest enterprise environments, the service provides a credible and low-risk approach to designing networks that are secure by design, resilient by default, and ready to support evolving digital and AI workloads.

2.2 Standards, Patterns & Architectural Consistency

2.2.1 Introduction

Standards, Patterns & Architectural Consistency support organisations in establishing clear, repeatable, and secure network architecture standards that enable consistent delivery across programmes and initiatives. The service helps reduce complexity, risk, and cost by defining common architectural patterns and design principles that align with business, security, and regulatory requirements.

Typical use cases include:

- Establishment of enterprise-wide network architecture standards and reference designs
- Creation of reusable secure network patterns to accelerate delivery and reduce risk
- Alignment of multiple delivery teams and suppliers to a consistent architectural framework
- Reduction of architectural divergence and technical debt across enterprise networks

2.2.2 Scope

The service covers the definition and maintenance of network architecture standards, design principles, reference architectures, and reusable patterns. It applies across enterprise networking and security technologies, including routing, switching, firewalling, load balancing, and cloud networking services. The scope includes governance artefacts and design guidance required to support consistent implementation across on-premises, cloud, hybrid, and AI-ready environments.

2.2.3 Approach

The service is delivered using a structured architectural governance approach informed by industry best practices and NTT DATA's experience delivering large-scale enterprise network programmes. We collaborate with stakeholders across business, security, and delivery teams to define practical, adoptable standards that balance control with delivery flexibility.

Working with industry-leading technology vendors and drawing on experience from complex global environments, the service ensures standards and **patterns** are current, secure, and aligned to real-world operational requirements. This approach provides a credible, low-risk foundation for consistent, scalable, and secure network delivery.

2.3 Future-Ready Network Design

2.3.1 Introduction

Future-Ready Network Design supports organisations in designing enterprise network architectures that are adaptable, scalable, and capable of supporting evolving business and technology demands. The service ensures network designs are not only fit for current requirements but are prepared to accommodate emerging technologies, including AI workloads, automation, and data-intensive platforms.

Typical use cases include:

- Designing network architectures that can evolve with changing business and technology needs
- Preparing enterprise networks to support AI-driven, data-intensive, and high-performance workloads
- Reducing future rework and technical debt through forward-looking architectural design
- Enabling seamless adoption of new networking, security, and cloud technologies

2.3.2 Scope

The service covers the design of scalable and extensible network architectures across on-premises, cloud, and hybrid environments. This includes capacity planning, modular design, technology abstraction, and integration of modern networking and security capabilities. The scope ensures alignment with enterprise roadmaps, vendor technology evolution, and operational models to support long-term sustainability and AI-ready infrastructure.

2.3.3 Approach

The service is delivered using a forward-looking architectural approach informed by industry trends, emerging technologies, and NTT DATA's experience designing networks for large, complex organisations. Business, technical, and operational requirements are assessed alongside future growth and innovation objectives to ensure designs remain relevant over time.

We work closely with industry-leading technology vendors and apply proven design patterns to create flexible, upgradeable network architectures. Drawing on experience from some of the world's largest enterprise environments, the service provides a credible and low-risk approach to delivering networks that are resilient, secure, and ready to support future digital and AI-driven workloads.

3 Commercial Arrangements

3.1 Parent Company Guarantee (PCG)

Please note that NTT DATA is not able to provide a Parent Company Guarantee (PCG).

3.2 Use of subcontractors and partners

These services are delivered by NTT DATA with support from selected, specialist partners only where required, and with approval from the client in advance.

3.3 Pricing

Please see the Digital Marketplace for the NTT DATA Pricing associated with these services.

3.4 Ordering and invoicing process

Clients will be expected to follow the G-Cloud 15 ordering process as outlined in the Framework's Terms and Conditions. This will ensure that the scope, timeline, and technical requirements are understood, agreed and can be delivered.

Each assignment will then require a formal work order to be raised, which would define:

- The name and contact details of the consumer's representative
- The objective(s) of the work and the Key Performance Indicators
- The amount and type of resource required (number of roles and duration)
- Start and end dates for the project
- The scope and requirements for the project
- The specific technical or business knowledge required by NTT DATA
- Advise whether the project is expected to be carried out on the consumer's premises (in which case location is required), or at NTT DATA's premises
- Expected deliverables, quality levels and acceptance criteria for sign-off

Upon receipt of a work order, NTT DATA will evaluate the requirement and confirm a start date. Once NTT DATA accepts a work order, we will commence work upon receipt of a purchase order.

NTT DATA will operate the following invoicing process:

- For time and material projects and assignments - monthly invoices will be issued in arrears for payment within 30 days
- For fixed price projects and assignments - invoices will be based upon agreed staged payments associated with formal client sign-off of interim or final deliverables. Invoices are issued in arrears for payment within 30 days
- For managed services - Transition Charges based on milestones, with Managed Services Charges invoiced quarterly in advance

3.5 Client responsibilities

The client will provide a Project Manager responsible for the following activities:

- Ensure the organisation is aware that external support is being provided by NTT DATA and that staff and teams are clear about the project, its scope and their roles and responsibilities in it.
- Manage the client personnel and responsibilities for this project.
- Serve as the interface between NTT DATA and all the client's departments participating in the project.
- Administer the Change Control Procedure with the NTT DATA Project Manager.
- Participate in project status meetings.
- Obtain and provide information, data, and decisions within three working days of NTT DATA's request unless a different response time is agreed in writing.
- Review and approve the Milestone achievements.
- Help resolve any project issues and the client deviations from the estimated schedule, and escalate issues within the client organisation, as necessary.
- Provide staff as required to undertake the User Acceptance Testing.
- Ensure client staff are made available for any meetings, interviews, document review and presentations within the proposed timescale.
- Provide client staff able to deliver authoritative answers to questions and clarification requests in a timely manner.
- Provide NTT DATA personnel with suitable office space, other accommodation and facilities that personnel may reasonably require to perform the services required during the project.

3.6 Accreditations

For these services, NTT DATA has corporate membership of the ITSMF, SDI and MCA trade bodies and holds a number of relevant accreditations including:

- ISO 9001 Quality Assurance
- ISO 14001 Environmental Management
- ISO 27001 Information Security Management
- PRINCE2 Practitioner Project Managers
- ISO 20000-1 IT Service Management
- ISO 22301 Business Continuity
- ISO 45001 Health and Safety Management Systems
- Cyber Essentials
- Cyber Essentials+

4 About NTT DATA

4.1 Globally

NTT DATA Corporation is a global IT innovator delivering technology-enabled services and solutions to clients around the world and is a top tier global IT Services provider (reference: Gartner). It employs more than 190,000 people across 70 countries.

For more than 50 years, the NTT DATA Corporation has been successfully providing IT services to a wide range of clients in the automotive, electronics and high technology, energy and utilities, financial services, healthcare and life sciences, insurance, manufacturing, media and entertainment, professional services, public, retail, telecommunications and transportation and logistics sectors.

NTT DATA has significant global coverage across Europe, the Americas, the Middle East, Africa, and Asia Pacific regions.

4.2 In the UK

NTT DATA UK Ltd (NTT DATA) is a subsidiary of the NTT DATA Corporation and is a systems integrator headquartered in the City of London and Birmingham. NTT DATA in the UK is a £400m+ per annum turnover organisation that focuses on supporting clients in:

- Public Services
- Automotive
- Banking and Financial Services
- Education and Research
- Energy and Utilities
- Healthcare
- Insurance
- Life Sciences and Pharma
- Manufacturing and Consumer Packaged Goods
- Retail
- Telco, Media and Technology
- Travel, Transportation and Logistics

NTT DATA has partnerships with a number of leading software vendors and works closely with NTT group companies to provide a wide range of solutions to UK clients.

4.3 How we help our clients

NTT DATA provides a portfolio of services to support every aspect of its clients' business technology life cycle, including:

- Strategy to create competitive advantage
- Implementation with speed, confidence, efficiency, and surety
- On-going management to optimise your assets with the best resource mix and cost
- Evolution to create new opportunities and future-proof your enterprise

NTT DATA helps its clients by building value through the visualisation and realisation of innovation. This involves working in close partnership with clients to:

- Design innovation - create robust IT strategies geared towards optimising business processes and the use of IT and networking concepts along the customer's entire value chain. We help our clients use IT to differentiate themselves from their competitors
- Develop solutions - use our advanced systems structuring and application capabilities to develop and provide solutions that make business innovation a reality
- Drive performance and efficiency - provide constant support for our clients helping them exploit the full potential of their IT solutions and take advantage of the latest IT innovation thinking

4.4 Trade body membership and accreditations

NTT DATA has corporate membership of the MCA trade body and our activities are supported by technical and vendor accreditations:

- Snowflake Global Elite Partner
- Informatica Enterprise Premier Partner
- Google Cloud Platform Premier Partner
- Microsoft Solution Partner Designation: Business Application, Data & AI, Digital & App Innovation, Infrastructure, Security, Modern Work.
- AWS Premier Partner | AWS Partner Programs; Premier Tier Services, AWS Managed Service Provider, Authorized Commercial Reseller, AWS Public Sector Partner, AWS Solution Provider Program, AWS Public Sector Solution Provider, Authority to Operate on AWS
- AWS Competencies | Machine Learning Consulting, Telecom Services, DevOps Consulting, Government Consulting, Migration Consulting
- Salesforce Platinum Partner
- Genesys Global Gold partner
- Service Now Elite partner
- Red Hat Premier Business Partner
- Palo Alto Networks Diamond Innovator (Global)
- Check Point 5 Star Partner
- Fortinet Global Partner
- F5 Platinum Partner
- Zscaler GSI
- Cisco Gold Partner
- SAP Global Platinum Partner
- Dell Titanium Partner

4.5 Services

We support UK clients through the following digital focus areas:

- Customer Experience - engaging with customer to maximise user understanding, engagement and support
- Data & Intelligence - excel in new data model creation using gathered intelligence that can produce actionable results for organisation success
- Intelligence Automation - automate repetitive business processes for success in a digitally-dynamic environment
- Internet of Things - connecting and communicating with an ever-expanding base of devices connected to the internet
- IT Optimisation - revolutionising IT environments by delivering the agility necessary to remain effective in a rapidly changing landscape
- Cyber security - protecting against data breaches and unauthorized use of confidential information in today's connected digital world

4.6 Further information

See <https://uk.nttdata.com> for further information, or contact us at nttdatauk.requirements@nttdata.com