

AWS Landing Zone Design and Build: Control Tower & Landing Zone Accelerator

SERVICE DEFINITION DOCUMENT - VERSION 1.0

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1. Detailed Service Description

1.1 Overview

GlobalLogic provides a structured, automated service to design, build, and migrate workloads to a secure AWS Landing Zone. We leverage AWS Control Tower and the Landing Zone Accelerator (LZA) or Account Factory for Terraform (AfT) to rapidly deploy a multi-account environment that aligns with NCSC Cloud Security Principles.

Our solution addresses "account sprawl" and governance challenges by establishing a centralised security baseline, automated guardrails, and a self-service "Account Factory". This enables public sector organisations to provision pre-configured, compliant AWS accounts in minutes rather than weeks, accelerating innovation while reducing operational risk and ensuring audit readiness.

1.2 Scope of the Service

This service covers the end-to-end delivery of a secure cloud foundation, including:

- **Landing Zone Architecture:** Design and build of a multi-account structure using AWS Organizations and AWS Control Tower.
 - **Identity & Access Management:** Implementation of AWS IAM Identity Center (SSO) integrated with your identity provider
 - **Network Topology:** Design and deployment of AWS Transit Gateway for centralised networking and connectivity testing using VPC Reachability Analyzer.
 - **Security Guardrails:** Deployment of preventive and detective controls (SCPs, Config Rules) to enforce compliance and security baselines.
 - **Account Factory:** Implementation of automated workflows (using AfT or LZA) for self-service account provisioning.
 - **Centralised Operations:** Setup of centralised logging, monitoring, and auditing (CloudTrail, Security Hub) for a single source of truth.
 - **Migration Support:** Planning and execution of workload migration from legacy environments to the new Landing Zone.
 - **Knowledge Transfer:** Handover of design documentation, code repositories, and operational runbooks to your internal teams.
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1.3 Delivery Approach

We deliver this service using a sprint-based Agile methodology, typically structured into four key phases:

1. **Design** (Weeks 1-2): We conduct workshops to define your multi-account structure, network topology, and security policies. We produce a High-Level Design (HLD) for stakeholder approval.
 2. **Build Out** (Sprint 0-1): We deploy the AWS Control Tower baseline, integrate identity providers, and establish the networking hub (Transit Gateway) and operational access (Workspaces).
 3. **Customisation** (Sprint 1-2): We deploy custom guardrails, security controls, and the Account Factory automation using Infrastructure as Code (Terraform/CloudFormation).
 4. **Migration & Transition** (Sprint 2+): We execute a pilot migration to validate the environment, followed by structured migration waves for remaining applications. We conclude with a formal handover and knowledge transfer.
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1.4 Tools, Methods & Standards

We utilise industry-standard tools and frameworks to ensure a robust, maintainable solution:

- **Core Frameworks:** AWS Control Tower, Landing Zone Accelerator (LZA), Customisations for Control Tower (CfCT).
 - **Infrastructure as Code (IaC):** Terraform (Account Factory for Terraform - AfT) or AWS CloudFormation.
 - **Security Standards:** Aligned to NCSC Cloud Security Principles and AWS Well-Architected Framework.
 - **Methodology:** Agile delivery (Scrum/Kanban) with weekly sprint reviews and governance.
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1.5 Deliverables

- **High-Level Design Document:** Detailing account structure, networking, and security architecture.
 - **Deployed Landing Zone:** Fully operational AWS Control Tower environment with live guardrails.
 - **Infrastructure Code:** Terraform/CloudFormation repositories for the Landing Zone and Account Factory.
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- **Migration Runbooks:** Documentation of the migration process and pilot results.
 - **Operational Documentation:** "How-to" guides for account provisioning and user management.
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1.6 Dependencies & Constraints

Successful delivery relies on the following dependencies :

- **Access:** Administrative access to the relevant AWS management accounts and identity provider.
- **Stakeholders:** Availability of key SMEs (Network, Security, Cloud) for design workshops and decision-making.
- **Root Email:** Provision of a dedicated email address capability (e.g., distribution lists) for root user accounts.

Pre-requisites: Any existing AWS organisations or legacy billing arrangements must be settled or prepared for migration

1.7 Customer Responsibilities

- Participate in sprint planning and review sessions.
 - Provide timely approval of design artefacts and user acceptance testing (UAT).
 - Facilitate network connectivity to on-premise environments (if required).
 - Ensure relevant internal teams (SecOps, NetOps) are engaged to approve guardrail definitions.
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1.8 Quality Assurance & Governance

We maintain strict quality and governance standards throughout the engagement:

- **Weekly Status Reporting:** Updates on progress, risks, issues, and dependencies.
 - **Steering Board:** Regular governance meetings with key stakeholders to manage critical decisions and change requests.
 - **Testing:** Connectivity testing (using Reachability Analyzer) and regression testing of migrated applications.
 - **Code Review:** All Infrastructure as Code (IaC) undergoes peer review and automated scanning before deployment
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1.9 Security, Data Protection & Compliance

Security is embedded into the design from day one:

- **Secure by Design:** We enforce "least privilege" access and encryption at rest/in transit by default.
 - **Centralised Audit:** All API activity is logged via CloudTrail to a secure, tamper-proof audit account.
 - **Compliance:** The solution supports compliance with standards such as ISO27001 and Cyber Essentials Plus.
 - **Data Sovereignty:** We configure all resources to reside within UK/EU regions as defined by your requirements.
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2. Onboarding & Offboarding

2.1 Onboarding

Our onboarding process ensures a rapid start:

1. **Kick-off Workshop:** We confirm the scope, team roles, and communication channels.
2. **Backlog Creation:** We populate a backlog with Epics and User Stories for the design and build phases.
3. **Access Setup:** We establish secure access channels for our engineering team to your AWS environment.

2.2 Offboarding

We ensure you are self-sufficient before we leave:

1. **Knowledge Transfer:** We conduct "walkthrough" sessions with your technical team to explain the code and operational procedures.
 2. **Documentation Handover:** Final delivery of all design docs, runbooks, and architecture diagrams.
 3. **Access Revocation:** We proactively assist in removing our access rights upon project closure.
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3. Pricing & Commercials

Pricing Model:

- This service is priced in accordance with the G-Cloud 15 Rate Card.
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Work Packages:

- We can deliver this service as a Time & Materials engagement or as a Fixed Price Work Package based on a defined scope of work.
 - Typical "Landing Zone Starter" (Design & Build): Estimated at approx. 20-40 days (mix of Architect & Engineer).
 - Typical "Migration Pilot": Estimated based on application complexity.

4. Case Studies

A Leading Chip Manufacturer

- **Challenge:** The client had approximately 470 AWS accounts over three management accounts using a legacy, heavily customized Landing Zone.
- **Solution:** GlobalLogic was engaged to perform a detailed discovery and assessment to migrate the existing environment to a new AWS Control Tower-governed Landing Zone
- **Outcome:** The migration simplified the landscape and leveraged AWS Account Factory for Terraform (AFT) for automated account provisioning.

A Leading Retail Enterprise

- **Challenge:** Their initial Landing Zone followed a standard path that did not support enterprise-scale consumption or future geographic expansion.
- **Solution:** GlobalLogic worked to enhance the Landing Zone by implementing Control Tower, upgrading the Landing Zone Accelerator (LZA), and integrating Security Reference Architecture (SRA).
- **Outcome:** Improvements focused on enterprise-wide adoption, scalability, and centralized cost and usage reporting through Cloud Intelligence Dashboards.

5. About GlobalLogic & Why We're the Right Partner

5.1 About GlobalLogic

GlobalLogic, a Hitachi Group Company, is a leader in digital product engineering. We helped create some of the most innovative and widely used digital products and experiences. We integrate experience design, complex engineering and AI & data expertise to help public sector organisations and commercial enterprises accelerate their transition into digital-first businesses.

Unlike traditional systems integrators that focus on maintaining legacy IT, we focus on **building the new**. We combine a "chip-to-cloud" software engineering mindset with user-centric design to create digital products that citizens and employees want to use.

- **Global Scale, Local Delivery:** We employ over 32,000 professionals across 23 countries. In the UK & Ireland, we operate major engineering and design hubs in London, Manchester, Edinburgh, and Newry.
- **The Hitachi Advantage:** Acquired by Hitachi in 2021, we bring the agility of a Silicon Valley digital native backed by the financial stability, R&D depth and 110-year heritage of a global industrial giant.
- **Core Capabilities:** Our services span the full digital lifecycle, including Digital Advisory, Experience Design (via our Method design arm), Software Engineering, Data & AI, and Cloud Platform development.

5.2 Why GlobalLogic

We bridge the gap between strategic intent and technical execution. For public sector buyers, we offer a distinct alternative to incumbent providers by focusing on **delivery velocity** and **engineering rigour**.

- **We Build, We Don't Just Advise:** Our roots are in product engineering. We apply the same rigorous standards used to build life-critical medical devices and global banking platforms to public sector challenges. We deliver working software, not just slide decks delivering >2000 product releases per annum.
- **Velocity AI – Accelerating Impact:** We do not just build AI; we engineer ecosystems where intelligence is orchestrated across the business. Using our Velocity AI strategy, we typically

achieve a **30% increase in productivity** and a **25% reduction in time-to-market** for new digital services.

- **User-Centric, Security-First:** We align with GDS (Government Digital Service) standards by default, ensuring services are accessible and intuitive. Crucially, we embed security into the engineering lifecycle (Secure-by-Design), aligning with NCSC principles to manage data and risk effectively.
- **Proven in Regulated Environments:** We have two decades of experience delivering in highly regulated sectors, including Life Sciences, Healthcare, and Financial Services. We understand how to navigate complex compliance landscapes without sacrificing the pace of innovation and hold (amongst others) **ISO 13485 certification** and follow **IEC 62304 compliant** software development lifecycles.

5.3 Social Value & Ethical Impact

We believe that social innovation is as critical as technical innovation. GlobalLogic, as part of the Hitachi Group, operates with a deep commitment to creating positive impact for people and the planet. Our approach is grounded in measurable outcomes and global ethical standards.

- **World-Class Ethical Leadership:** In 2025, Hitachi was named one of the **World's Most Ethical Companies** by Ethisphere. This recognition reflects our commitment to integrity, compliance and high standards of governance in every public sector engagement.
- **Commitment to Diversity and Inclusion:** We are a signatory of the **CEO Action for Diversity and Inclusion**. We achieved the Hitachi Group 2030 goal of having **30% women in our workforce** in 2023, seven years ahead of schedule.
- **Sustainable Operations:** GlobalLogic holds an **EcoVadis Silver Rating**, placing us in the **top 15%** of companies assessed for sustainability in our sector. We report our own Scope I, II and III emissions and are fully aligned with Hitachi's target to achieve carbon neutrality at all business sites by 2030.
- **Proven Supply Chain Integrity:** Our **NQC Supplier Assurance** score exceeds the industry average by **25%**. This ensures that our delivery models are as responsible as they are resilient.
- **Talent Development and Wellbeing:** GlobalLogic is recognized as a global leader in talent development, receiving the **ATD Best Award in 2025**. This ensures our public sector teams are continuously upskilled in the latest technologies, including responsible AI and secure engineering practices.

6. Contact Details

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