quantiphi
Solving What Matters

Qatapult : Modernization and Migration Factories for AWS
Infrastructure Migration Factory

aws
PARTNER
Premier Tier
Services

Infrastructure Migration Roadblocks

As enterprises modernize their digital foundations, migrating infrastructure to the cloud has become a key enabler of agility, performance, and innovation. AWS provides a scalable and secure platform to transform IT operations and future-proof enterprise architecture. However, transitioning infrastructure from legacy environments to the cloud brings its own set of complexities, such as:

Interoperability Gaps	Complexity Management	Cost Management	Resource Constraints	Security & Compliance
Differences in design patterns across on-premises and other clouds complicate integration	Migrating intricate network components and replicating usage patterns on AWS is complex	Large-scale migrations add complexity and elevate costs without the right optimization strategy	Limited availability of skilled experts across AWS and other cloud platforms	Maintaining security posture and compliance standards requires rigorous due diligence and planning

The SNAP Methodology: Your Strategic Path to AWS Migration
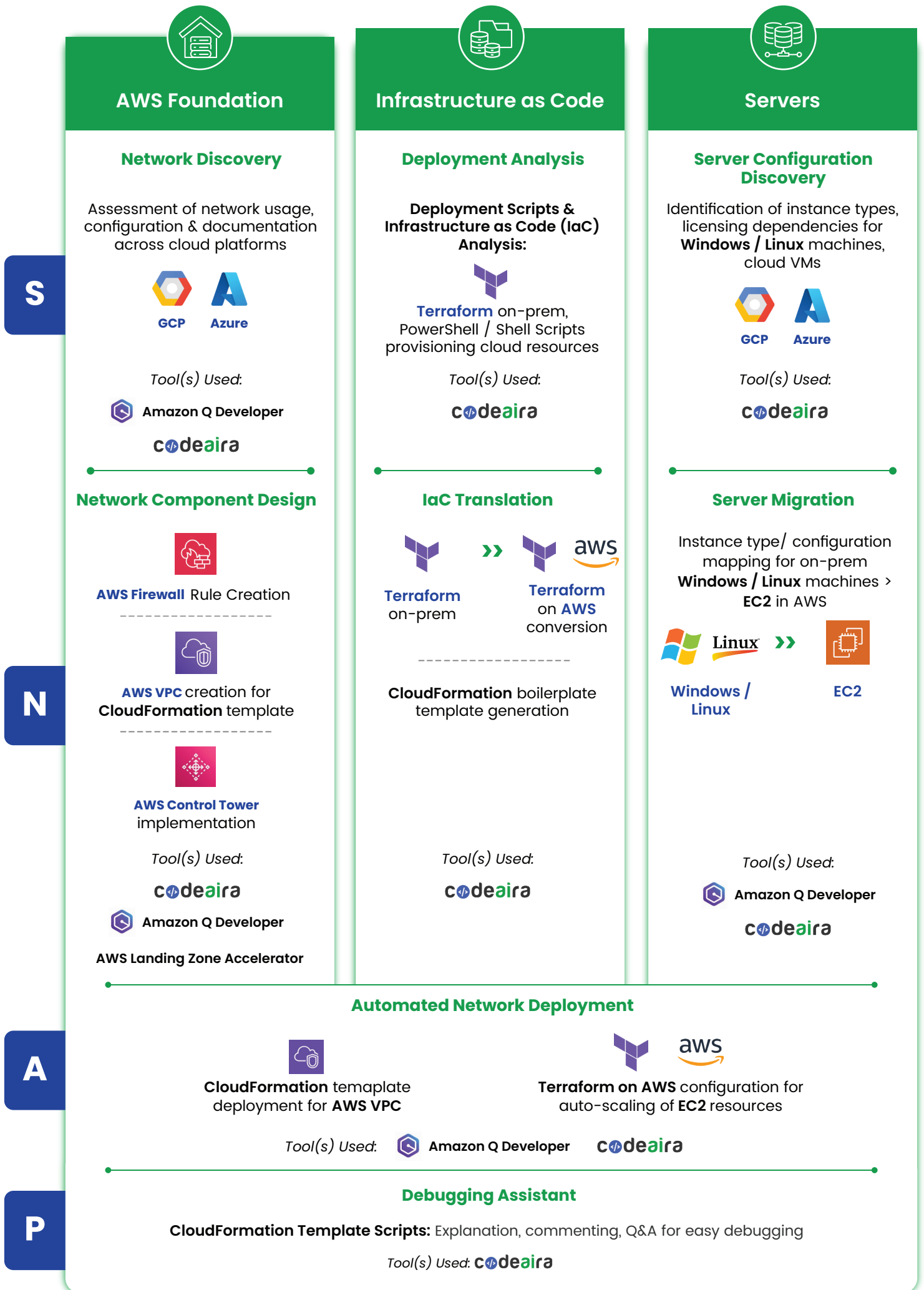
Qatapult Infrastructure Migration Factory delivers secure, cost-efficient infrastructure migration to AWS through an AI-powered, factory-driven approach. Our SNAP (Strategize-Navigate-Automate-Persist) methodology, enhanced with GenAI capabilities, accelerates migration with built-in compliance, optimized infrastructure costs, and minimal operational disruption. Our factory streamlines end-to-end infrastructure migration- including AWS foundation, infrastructure as code, and servers- delivering:

~30% Faster Workload Migration

~40% Process Automation with AI-powered Qatapult and Codeaira

Step Inside: atapult Infrastructure Migration Factory

AWS Foundation

Infrastructure as Code

Servers

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Network Discovery

Assessment of network usage, configuration & documentation across cloud platforms

GCP   **Azure**

Tool(s) Used:

Amazon Q Developer

codeaira

Deployment Analysis

Deployment Scripts & Infrastructure as Code (IaC) Analysis:

Terraform on-prem, PowerShell / Shell Scripts provisioning cloud resources

Tool(s) Used:

codeaira

Server Configuration Discovery

Identification of instance types, licensing dependencies for **Windows / Linux** machines, cloud VMs

GCP   **Azure**

Tool(s) Used:

codeaira

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Network Component Design

AWS Firewall Rule Creation

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AWS VPC creation for **CloudFormation** template

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AWS Control Tower implementation

Tool(s) Used:

codeaira

Amazon Q Developer

AWS Landing Zone Accelerator

IaC Translation

Terraform on-prem » **Terraform** on **AWS** conversion aws

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CloudFormation boilerplate template generation

Tool(s) Used:

codeaira

Server Migration

Instance type/ configuration mapping for on-prem **Windows / Linux** machines › **EC2** in AWS

Windows / Linux » **EC2**

Tool(s) Used:

Amazon Q Developer

codeaira

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Automated Network Deployment

CloudFormation temaplate deployment for **AWS VPC**

Terraform on AWS configuration for auto-scaling of **EC2** resources aws

Tool(s) Used: Amazon Q Developer   codeaira

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Debugging Assistant

CloudFormation Template Scripts: Explanation, commenting, Q&A for easy debugging

Tool(s) Used: codeaira

Note: The tech stacks for assembly lines are representative & not an exhaustive representation of our capabilities

Customer Success Story

Cross-platform Infrastructure Migration for a Financial Services Company

Challenges

- Inability to derive actionable insights from siloed data sources

- High operational costs stemming from legacy infrastructure

- Need for a secure, scalable, and modern cloud solution to support multi-account, multi-environment operations

Solution

- Assessed the client's Azure landscape, including servers, databases, and virtual machines

- Developed a high-level migration blueprint with a scalable, multi-account AWS landing zone architecture

- Devised a security, monitoring, and governance framework aligned with best practices

- Set up AWS infrastructure with essential networking and logging services

- Created structured data migration batches aligned with business application mapping

Business Impact

- Reduced infrastructure and operational costs post-migration

- Enabled real-time, actionable insights through better data access and visibility

- Strengthened security posture with comprehensive monitoring and governance controls

- Seamlessly migrated **~178** GB of data across **7** databases and virtual machines without disruption

Accelerating Your AWS Journey with Confidence

AI-Powered Innovation

- Purpose-built Microsolutions and Reusable Blueprints
- Smart Utilities (Bi-directional Sync, Data Reconciliation, Landing Zone Framework) for Rapid Transformation
- Automated Remediation and Optimization

AWS Mastery

- **14** AWS Competencies
- Global **F2000** customer success
- Well-Architected Framework Alignment
- AWS MAP Funding Expertise

Expert Delivery

- AWS-Certified Professionals
- Talent Combining Tech, Business & Domain Expertise
- Proven SNAP Methodology
- **24/7** Global Support

Reach out to

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