

Cloud Foundation G-Cloud 14

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1 Cloud Foundation Overview

Cloud Foundation is a set of libraries including scripts, templates, documentation etc. for building end-to-end cloud services and a landing zone for Azure and AWS using Infrastructure-as-Code (IaC) and Pipelines-as-Code.

Cloud Foundation provides specific modules for services like AKS, EKS, Hub-Spoke network topology, backup etc supported by CI/CD tools like Azure DevOps and GitHub Action in building pipelines to meet the clients' requirements. These modules are also designed to deliver end-to-end infrastructure for Azure and AWS Landing Zone.

2 Business Need

Cloud Foundation is designed in such a way which caters for various business needs including-





1. Cloud Infrastructure which is both secure and compliant to a well-architected framework
2. Cloud infrastructure for specific functional areas like AKS, EKS, Backup, Hub (central services for networking and shared services), Spoke (Azure infrastructure for Azure native Applications), Policies etc.
3. Adopt Infrastructure-as-Code (IaC) and Pipeline-as-Code with testing, code security scanning features.
4. Indicative cloud consumption by the services that are to be provision.

3 Our Approach

Cloud Foundation offering is built using 'Cloud Foundation Design Principles', which covers industry standards and its pillars including Reference Architecture, DevSecOps Adoption framework, Security and quality services and Automation. In addition, Cloud Foundation utilises Capgemini Well Architected Framework which covers eight areas-

1. Enterprise enrolment and Cloud AD Tenants,
2. Identity and access management,
3. Management Group and Subscription organization
4. Network topology and connectivity,
5. Management and monitoring,
6. Business Continuity and Disaster Recovery,
7. Security, Governance, and Compliance
8. Platform automation and DevOps

Sogeti Cloud Foundation offering is delivered using following four simple steps:

Initiate 	Configure 	Build 	Handover 
Initiate the pre-requisites and access discussions <ul style="list-style-type: none">✓ Discuss Cloud Foundation Design✓ Validate and discuss Pre-requisites:<ul style="list-style-type: none">➢ Naming Convention➢ CIDR Range✓ Get Access to:<ul style="list-style-type: none">➢ GitHub Repo➢ Azure DevOps➢ Azure Subscription	Configure tools given in technical stack <ul style="list-style-type: none">✓ Initial configuration :<ul style="list-style-type: none">➢ Add Terraform plugin➢ Mirror Cloud Foundation Repo➢ Create Management Group✓ Setup Service Principle✓ Service Principal Role Assignments✓ Setup Azure DevOps Init Pipeline	Run Cloud Foundation pipelines and validate azure landing zone <ul style="list-style-type: none">✓ Run Init pipeline✓ Follow Cloud Foundation Setup guide to run pipelines for:<ul style="list-style-type: none">➢ Core service➢ Landing Zone➢ Tests and Validations✓ Client validation of Azure CF✓ Any updates to documentation	Handover documentation <ul style="list-style-type: none">✓ Workshop with client for handover pipelines and Landing Zone Resources✓ Handover Runbook



Cloud Foundation is designed using modular architecture so that it can serve most common needs of clients. These modules cover different functional areas like AKS Landing Zone, EKS Landing Zone, Hub, Spoke, backup, etc and each of such modules is supported by a respective pipeline. As per customer requirements individual modules can easily be selected, customized, and executed. These modules can also be grouped together in delivering complete end-to-end solution for client greenfield landing zone.

Its feature of InfraCost helps to get indicative cloud consumption defining services provisioned by the pipelines, and reports which helps to analyse and take decisions accordingly.

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

This service can be delivered as a defined project or on a day rate 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

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 Vendor Accreditations/Awards



2023 winners of Best Advancing Software Testing Practice, awarded to the team or initiative that has made a positive contribution to the software testing profession. This is in recognition of those that go above and beyond to make the testing industry or practice better. It means breaking down barriers, thinking beyond our employers or clients, and using our skills and knowledge for the betterment of the profession.

Sogeti as part of the Capgemini group, is an award-winning company both globally and nationally. The below list presents companies' names that Sogeti has won series of awards with over the years:

Microsoft, IBM, Intel areas of Testing, HPE, Oracle, Digital, High Tech related awards, ESRI S-GROUP, Delivery, awards related to technologies and solutions.



For the 12th year in a row, Capgemini has been recognized as one of the World's Most Ethical Companies® by the Ethisphere® Institute. This is an acknowledgment of our ethical culture that makes us an employer of choice and responsible player in the eyes of our clients, shareholders, and the wider community.

10 Sub-contractors

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

- Capgemini Technology Services India Limited.

11 Business Continuity and Disaster Recovery

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

12 Pricing

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.

13 Ordering and Invoicing

Please refer to the Supplier Terms for this service.

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

14 Termination Terms

Please refer to the Supplier Terms for this service.



15 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.
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, cloud and data, combined with its deep industry expertise and partner ecosystem. The Group reported 2023 global revenues of €22.5 billion.

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