

GoCloud

With Human Capital (Singapore) Multi-cloud Approach

About GoCloud

GoCloud supports local ICT SMEs through appointed Service Providers to transform traditional software architecture and development practices to applications deployed and delivered as Cloud Native applications using Microservices and DevOps.

Why HCS

HCS steers a flexible and multi-cloud approach with Alibaba Cloud, IBM Cloud and AWS Cloud for SMEs to acquire knowledge and skills to build Cloud Native capabilities and applications for successful transition into the Cloud environment and to develop the China gateway.

STEP 1: SCOPE¹



Embark on a Cloud Journey

-2 days for C-Suite
-3 days for ICT Professionals
(To inculcate awareness and influence mind-set change)

STEP 2: TRAIN²



15 days of in-depth training of Core Modules on Cloud Native topics like:

- Microservices
- Container and Docker Management
- DevOps Training
- Migration from Monolithic to a Microservices Architecture
- Cloud Architecture

STEP 3: PRACTICE¹



1-day Architecting workshop followed by 5 man-days of in-person project-based coaching, access to cloud platform lab environment, remote email, social media and chat apps

3 to 4 months

Capability Development Process

¹ Support up to 80% subsidy of service fees for completion of Step 1 and 3

² Support up to 90% subsidy for SkillsFuture Singapore (SSG) endorsed courses; ICT SME who wish to undergo only training will still be eligible for SkillsFuture Singapore (SSG) funding but will not be eligible for the 80% subsidy support for Step 1 and 3

1 Are You Eligible?

- Singapore ICT SME
- Have local technical team
- Owns the IP of your product/solution
- Have positive net equity (except Start-ups)

2 What do You need to Start?

- Commitment from management
- Resources comprising of Project Team

3 How do You get Started?

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GoCloud with HCS

Scope of Services

Deliverables

Component 0 – Encourage SME Community to Pursue a Cloud-led Digital Transformation and Buy-in to Embark on a Cloud Journey

- **CoP & DT Workshop (1-day)**
 - (a) This is a GoCloud Native workshop to familiarise SMEs (aspiring on a cloud-led digital transformation) with nationwide initiatives such as Smart Nation; SMEs GoDigital; and GovTech/IMDA’s vision on a microservice-enabled digital architecture for future government services.
 - (b) Use design thinking (DT) approach to encourage sharing of ideas for innovative solutions
 - (c) Equip ICT and aspiring-ICT SME leaders with DT techniques to bring about a mind-set change
 - (d) Workshop will encourage participation in the Cloud Native Boot Camp course and GoCloud project scoping
- **Cloud Native Boot Camp Course (3-days, CITREP+ Funded Module)**
 - (a) Intended for ICT Vendors (CXOs and operations staff), and non-ICT SMEs (SME bosses and leaders, CXOs and IT managers) who are keen to embark on a Guided Journey into the World of Cloud Native (with Multi-cloud Approach).
 - (b) Executives and business decision makers will learn to:
 - transform traditional software architecture and development practices to applications deployed and delivered as Cloud-Native applications using Microservices and DevOps, so that they can be more agile, flexible and scalable
 - provide the core foundational knowledge in planning to deploy applications and create application environments on the multi-cloud platform to grow their businesses
 - (c) Developers, systems operations professionals, and solution architects getting started with the Cloud Platform as well as data scientists and engineers wanting to learn more about cloud architecture in a multi-cloud platform environment

Component 1 – Management Buy-In and Scoping of Project Plan (1-day)

- **Management Buy-In and Scoping of Project Plan (1-day)**
 - (a) Develop scope of the MVP for practicum, such as developing Greenfield apps or transforming monolithic apps into Cloud Native apps/services
 - (b) Assess Skills Need Analysis for additional ICT training (CITREP+ modules) to upskill technical staff in developing the MVP

Option A: Ready with a Project and Interested In Project- Coaching:

Project plans signed off by SMEs’ senior management (who will be the project sponsor). Project Plan should include but not limited to:

- i. Scope of the Services to be delivered;
- ii. Duration and Milestones (should not exceed more than six (6) calendar months); and
- iii. Named personnel to be part of the project team and those that has undergone training through the training courses.

Option B: Only Interested In Sending their Staff for Training

A list of relevant training courses. Named personnel that underwent/ will be undergoing training (not restricted to project)

Component 2 – Training to level up Development Team’s Foundation Knowledge and Skills

Professional Certification in GoCloud Native Competency (all modules are CITREP+ endorsed by IMDA) as below:

1. Microservices Architecture in an Innovative Business Environment (ICT-SNA-4003)
2. Containerisation in a Future-ready IT Infrastructure (ICT-SNA-4013)
3. Mastering DevOps with Agile Delivery in Cloud Native Architecture (ICT-OUS-4011)
4. Migration in the Cloud native World: Multi-cloud Computing and Storage Services (ICT-DIT-4005)
5. Cloud Native Architecture as an Enabling Technology in Multi-cloud (ICT-SNA-4011)

Option A: Ready with a Project and Interested in Project-Coaching:

- A set of courses that participants from SMEs will need to complete as pre-requisite training as indicated in the project plan in Component 1 before they embark on the Project and Practical work in Cloud-Native for Component 3.
- Completion of the training will be in the form of the participants’ certifications from the examinations from training or acknowledgements after they have completed training in these courses.

Option B: Only Interested In Sending their Staff for Training

- A list of relevant training courses
- Named personnel that underwent/ will be undergoing training (not restricted to project)

Component 3 – Project and Practical Work in Cloud Native

SMEs will select cloud service provider coach from HCS pool of ICT professionals. They will be guided to complete the scoped project – to develop and transform an application to Cloud Native architecture through:

- a 1-day workshop,
- up to 5-man-days of in-person coaching
- remote communication

HCS will work with the cloud service provider to offer trial services with limited credit values sufficient for their cloud platform on-boarding process. This will allow users to learn about and experience a range of the products and services available on the selected cloud platform.

- Product architecture diagram and screen shots of Cloud Native application/ services developed
- The completed Cloud Native application/ service developed by your company’s project team that is based on Microservices architecture and development methods and DevOps practices
- Feedback from your company on the effectiveness of capability transfer in the area of Cloud Native and impact of the project on your productivity/ business (Template will be provided)
- HCS partners are Alibaba, AWS and IBM cloud service providers. The clients’ project will be on a cloud native architecture allowing them flexibility and scalability across various cloud platforms with a China gateway for business transformation outside of the local shoreline.