



GoCloud With IBM

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 IBM

IBM will provide the industry proven Cloud Garage Method to help ICT SMEs achieve their first success in area of Cloud Native, Microservices and DevOps to develop a minimum viable product.

STEP 1: SCOPE¹



1 full day of Deep-Dive Workshop

STEP 2: TRAIN²



10 days of CITREP Training

- Cloud Native Bootcamp Course
- Cloud Native ICP Bootcamp
- Cloud Garage Architect Bootcamp

STEP 3: PRACTICE¹



5-days of Cloud Garage Workshop followed by offsite code reviews and technical support

4 TO 6 MONTHS

Capability Development Process

¹Support for up to 50% of service fees for completion of Step 1 and 3

²Support for up to 90% for CITREP endorsed courses; ICT SMEs who wish to undergo only training will still be eligible for CITREP funding but will not be eligible for the 50% support for Step 1 and 3

*For eligible ICT SMEs. Terms and Conditions apply

Are You Eligible?

1

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

What do You need to Start?

2

- Commitment from management
- Resources comprising Project Team
- Invest & pay 50% service fees for participation (contact IBM on Fees)

How do You get Started?

3

Email
IBM: apskill@sg.ibm.com



www.imda.gov.sg



IndustryConnect@imda.gov.sg

SG:D
EMPOWERING POSSIBILITIES



**INFOCOMM
MEDIA
DEVELOPMENT
AUTHORITY**

GoCloud with IBM	
Scope of Services	Deliverables
<p>Component 1 - Management Buy-In and Scoping of Capability Development Plan</p> <p>IBM will work with ICT SME’s Management Level Project Sponsor to cover:</p> <ol style="list-style-type: none"> (1) <u>Scoping the project</u> to undergo Cloud Native, Microservices development and DevOps to achieve a cloud native app/solution that can be deployed and commercialised. (2) <u>Define outcomes and deliverables</u>, including the skills/capabilities to be developed. (3) <u>Commitment on resources</u> (project team & investment) to complete project over a period of 4 months. <p>A one full day IBM Go Cloud Native Seminar Workshop for Leadership Team of ICT SMEs covering</p> <ul style="list-style-type: none"> • Awareness talks on Cloud Native, Microservices, DevOps and Agile. • Overview discussion on Microservices Reference Architecture with guidance on decisions on Microservices business, architecture and design, implementation, resiliency and operations. • Critical Success Factors and Success Stories • Introduction to IBM Global PartnerWorld programme • Demonstration of Cloud Native, Microservices and DevOps <p>Another one full day deep-dive workshop with <u>each</u> ICT SME covering</p> <ul style="list-style-type: none"> • Identify the target Cloud Native app/solution • Identify the Minimum Viable Product (MVP) • Identify the milestones for the 4 months’ project • Identify the named technical personnel to be part of the project team and to be trained under Component 2 of the programme • Identify the skills/capabilities upgrading roadmap for the ICT SME’s team • Identify operational, security and governance needs of the Cloud Native App/Solution to be developed. • Gaining management’s understanding and commitment prior to start of the programme 	<p>A Project Plan including</p> <ul style="list-style-type: none"> • A list of relevant training courses that ICT SME should undergo • Named personnel that underwent/ will be undergoing training (not restricted to project)
<p>Component 2 – Training to level up Development Team’s Foundation knowledge and Skills</p> <p>IBM Cloud Native Bootcamp</p> <ul style="list-style-type: none"> • The IBM Cloud Native Developer Course will provide the foundation knowledge and skills for ICT SME’s technical staff to be skill up to support your company in the adoption of Cloud Native, Microservices and DevOps. <p>IBM Cloud Native ICP Bootcamp</p> <ul style="list-style-type: none"> • This course delivers expert–led training on how to approach cloud application development on IBM Cloud ICP. <p>IBM Cloud Garage Architect Bootcamp</p> <ul style="list-style-type: none"> • The IBM Cloud Native Architect course will provide the intermediate knowledge and skills for the technical architect and lead developer to be skill up to support the architecture, design, and process of developing, deploying and maintaining cloud native applications on Cloud. This skill will help the ICT SME’s strategic technical planning and enhancement of their offering with Cloud Native, Microservices and DevOps. 	<ul style="list-style-type: none"> • A set of courses that ICT SME will need to complete as pre-requisite training as indicated in the project plan in Component 1 before embarking 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. <p>And / or</p> <ul style="list-style-type: none"> • A list of relevant training courses that the ICT SME should attend before embarking on Component 3 • Named personnel that underwent/ will be undergoing training (not restricted to project)

Component 3 – Project and Practical Work in Cloud Native

IBM will provide a coaching approach to guide each ICT SME to complete the scoped project to develop / transform an application to Cloud Native architecture using Microservices and DevOps practices during the 3 months' duration with:

- On site – Up to maximum of 40 hours on weekday
- Consultancy and Guidance
- Remote – Office hours on weekday
- Email support
- Slack Chat group

The guidance IBM provides will include the following:

- Best practice of Cloud Native application development on top of containers and Kubernetes platform.
- Advice/educate of tool chains for monolithic migration assessment
- Advice/educate the tool chains selection for the CI/CD setup
- Best practice on CI/CD pipeline build up for the MVP to be developed.
- Advice/educate the workload, storage, service exposure and discovery options on Cloud Native platform (Kubernetes) for the MVP to be developed.
- Advice/educate the monitoring, logging and other operational requirement for the MVP to be developed.
- Advice/educate the auto recovery and auto scalability option setup.
- Advice on the application rolling out.
- Advice on the backup and disaster recovery options.
- General advice/discussion on application developing/coding practice.

IBM will provide S\$3,000 Cloud credit to provision an IBM Cloud platform with IBM Cloud online support during the programme period.

- Product architecture diagram and screen shots of Cloud Native application/ services developed
- The completed Cloud Native application/ service developed by each ICT SME's project team that is based on Microservices architecture and development methods and DevOps practices
- Feedback from ICT SME on the effectiveness of capability transfer in the area of Cloud Native and impact of the project on their productivity/ business (Note: Template will be provided)