Fact Sheet

<u>**ANNEX D**</u>

GOCLOUD

BACKGROUND

Singapore's local Infocomm Technology (ICT) Small and Medium Enterprises (SMEs) play an important role in the digitalisation and growth of other economic sectors. They therefore need to keep pace with new technologies and industry practices, and transform themselves to stay competitive and relevant in the Digital Economy.

IMDA intends to roll out a set of capability development initiatives targeted at helping ICT SMEs that are ready and willing to raise their digital capabilities. As part of this, IMDA's GoSecure programme was launched in May 2018, in collaboration with Singapore Institute of Technology (SIT), to strengthen cybersecurity capabilities of local ICT SMEs and improve their product security posture.

ABOUT GOCLOUD

Cloud Native applications and Microservices will be a feature in GovTech's CODEX (Core Operations, Development Environment, and eXchange), a digital platform that will enable the Government to deliver better digital services to citizens faster and more cost efficiently. Similarly, as Singapore transforms to a leading Digital Economy, IMDA envisages a new technology ecosystem underpinned by Cloud Native architecture to enable the future of services (Services 4.0).

In line with these trends, IMDA will launch **GoCloud** as the next digital capability area to help ICT SMEs to move to a Cloud Native architecture, so that our SMEs are ready to participate in opportunities in future of services (Services 4.0).

The initiative, expected to be available in early 2019, will help ICT SMEs move from traditional software development practices and architecture to using applications deployed and delivered through the cloud as Cloud Native applications or services.

Currently, many ICT SMEs develop ICT solutions based on traditional software architecture, which are highly complex, limited in scalability and flexibility. As a result, ICT SMEs are unable to respond and adapt to customer needs quickly, face higher development costs and longer development cycles, and take longer to go to market with their solutions.

GoCloud will enable ICT SMEs to:

- Re-architect existing traditional software applications, or develop new applications with microservices architecture for flexibility and scalability;

- Use containers and automation tools for easy testing, deployment and continuous delivery;

- Build a culture of collaboration between development and operations (DevOps) to enable rapid and agile development; and

- Leverage cloud platforms and software to scale and deliver to regional customers.

Participating ICT SMEs can benefit from:

- <u>Training</u>: ICT SMEs can sign up for courses in the areas of Cloud Native, Microservices and DevOps, offered by a panel of IMDA pre-qualified Service Providers. ICT SMEs will be directed to sign up for these courses via the SG:D IM Talent portal. Most of these courses would be aligned with the Skills Framework for ICT and/or TeSA CITREP [1]-endorsed so that participants will be eligible for CITREP funding (support up to 90% for eligible companies).

- <u>Project-based Application</u>: ICT SMEs that are able to commit to a short-term project to translate classroom training to practice can tap on expert coaches from a panel of IMDA pre-qualified service providers. The project could involve transiting a traditional software solution to a cloud native application or service, or developing a green-field cloud-native application. Service providers will coach ICT SMEs for capability transfer over a few months. IMDA will provide up to 50% support for eligible projects involving ICT SMEs and the pre-qualified panel of Service Providers.

IMDA will appoint Service Providers to provide training and coaching services to ICT SMEs under GoCloud by early 2019.

Interested ICT SMEs are encouraged to visit IMDA Website at https://www.imda.gov.sg/industry-development/programmes-and-grants/small-and-medium-enterprises for more information on GoCloud or email IMDA at Industryconnect@imda.gov.sg to pre-register for training and coaching.

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[1] Critical Infocomm Technology Resource Programme (CITREP) supports local professionals in keeping pace with technology shifts through continuous and proactive training.

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