

Fact Sheet

**EMBARGOED TILL AFTER MINISTER S ISWARAN'S SPEECH AT
SG:D INDUSTRY DAY, 17 OCT, 2019**

TECHNICAL CAPABILITY ASSESSMENT TOOL FOR ICT SMES

Background

As Singapore transforms into a leading Digital Economy, the Infocomm Media Development Authority (“**IMDA**”) envisions a new technology ecosystem underpinned by Cloud Native architecture¹ to enable the future of services (Services 4.0). Singapore’s local Infocomm Technology (“**ICT**”) Small and Medium-sized Enterprises (“**SMEs**”) play a critical role in enabling and driving the growth of other sectors in their digital transformation journeys. It is therefore imperative that they stay ahead of new technologies and industry practices in order remain competitive and lead other industries to transform in the Digital Economy.

IMDA has developed a new Technical Capability Assessment Tool to help ICT SMEs assess their capabilities and readiness to adopt Cloud Native as part of their journey for digitalisation. The free online tool (available at <https://techcapabilitytool.sg>) will guide SMEs through a series of questions to enable them to assess their current state of digital capabilities based on a set of measurement metrics. These metrics include Cloud Adoption, Cloud Architecture Practice, Software Development Practice and Culture and Teaming. At the end of the assessment, the company will receive a report which provides insights on the current state of its capability and the gaps which need to be addressed for it to go cloud native (see attached sample report in Appendix). The tool has been piloted by over 30 ICT SMEs and has received positive feedback.

¹ The future of digital services and applications is shifting towards “XaaS” (Everything-as-a-Service) that is designed and delivered as cloud-native microservices. Cloud Native is an approach to building and running applications that exploits the advantages of cloud computing. The approach develops and deploys services that are modular, scalable, adaptable and stable as compared to legacy applications. It is also closely associated with the concept of microservices, which is an architectural approach to developing an application as a collection of small services that are autonomous. This enables faster time to market and scalability, allowing ICT companies to cater to customer needs and changes flexibly.

The launch of the new tool follows the rollout of GoCloud in March earlier this year, an initiative aimed at helping ICT SMEs move away from traditional software development practices and architecture to applications developed and deployed as Cloud Native applications or Microservices using DevOps. To-date, more than 50 ICT SMEs have signed up for GoCloud and benefited from the initiative through a series of training and coaching conducted by the appointed Service Providers - IBM Singapore Pte Ltd, Amazon Web Services, INC and NTUC LearningHub Pte Ltd with their consortium partner, Microsoft.

Companies which are ready to embark on the Cloud Native journey following the completion of their assessment can consider participating in GoCloud with their selected Service Provider to help them build up capabilities in Cloud Native. More information about GoCloud can be found at IMDA's website at <https://www2.imda.gov.sg/programme-listing/gocloud>.

About Infocomm Media Development Authority (IMDA)

The Infocomm Media Development Authority (IMDA) leads Singapore's digital transformation with infocomm media. To do this, IMDA will develop a dynamic digital economy and a cohesive digital society, driven by an exceptional infocomm media (ICM) ecosystem – by developing talent, strengthening business capabilities, and enhancing Singapore's ICM infrastructure. IMDA also regulates the telecommunications and media sectors to safeguard consumer interests while fostering a pro-business environment, and enhances Singapore's data protection regime through the Personal Data Protection Commission. For more news and information, visit www.imda.gov.sg or follow IMDA on Facebook [IMDAsg](#) and Twitter [@IMDAsg](#).

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