

Media Release

NEW SKILLS PATHWAY FOR CLOUD LAUNCHED TO BUILD TECH TALENT PIPELINE

The initiative led by Singapore Computer Society and in collaboration with SkillsFuture Singapore and Infocomm Media Development Authority aims to groom talent to support Singapore's growing digital economy

SINGAPORE, 29 August 2025 – With growing digitalisation, cloud is becoming an increasingly critical component of our digital economy and the demand for cloud talent has been growing. It is critical for Singapore to grow our cloud talent pool and equip local tech talent with cloud skills so that they can effectively build, scale and maintain cloud infrastructure and solutions. In response to this growing need, the Singapore Computer Society (SCS), with support from SkillsFuture Singapore (SSG) and the Infocomm Media Development Authority (IMDA), has launched a Skills Pathway for Cloud to build a strong pipeline of qualified and job-ready talents for Singapore's rapidly evolving technology landscape.

2 The Skills Pathway for Cloud aims to groom professionals in cloud capabilities by providing a structured route for individuals to attain industry-recognised certifications that will enhance their career prospects. The initiative provides opportunities for individuals to be considered for internships and job interviews with participating employers, which can lead to job placements. Open to new entrants and mid-career individuals looking to transition into the sector, the initiative includes industry-relevant training and provides opportunities for individuals to be considered for internships and job opportunities with participating employers. The list of industry-recognised cloud certifications can be found in Annex A.

3 This is the second Skills Pathway developed by SCS in its role as a Skills Development Partner appointed by SkillsFuture Singapore (SSG). In July 2024, SCS launched the Skills Pathway for Cybersecurity. Since then, about 150 individuals have secured internships or employment through the Skills Pathway. This strong uptake and success of the Skills Pathway for Cybersecurity have reinforced confidence that companies can come together to agree on skills and courses needed for particular roles, and in doing so, guide individuals to take up the relevant training and career pathway. The pathways also address a sharply rising demand for IT-related training, with SSG-supported learners in cybersecurity, AI, and digital marketing rising from 34,000 in 2023 to 96,000 in 2024¹. The strong uptake and success of the first Skills Pathway are a

¹ <https://www.ssg.gov.sg/newsroom/skillsfuture-year-in-review-2024>

testament to the demand for job-relevant training and the support for the SCS Skills Pathway initiative.

4 The Skills Pathway for Cloud is employer-centric and industry-led with the involvement of 14 key employers including DBS, Centre for Strategic Infocomm Technologies, HTX (Home Team Science and Technology Agency), and ST Engineering. Please refer to Annex B for key employers' profiles available for media interviews.

Building a Cloud-Ready Workforce Singapore Needs

5 With the growth of Singapore's digital economy, the demand for tech talent continues to rise. According to the IMDA annual survey on Infocomm Media Manpower, the number of tech jobs has grown from 172,000 in 2019 to 214,000 in 2024². Roles in domains such as cloud, network and infrastructure has one of the largest shares of tech roles across the economy over the past few years, reflecting the technology's growing demand. Against the backdrop of this high demand for cloud computing roles and the success of the first Skills Pathway for Cybersecurity last year, SCS's launch of a Skills Pathway for Cloud is expected to build a strong pipeline of qualified and job-ready talents for Singapore's rapidly evolving technology landscape.

6 The Skills Pathway for Cloud is structured into two levels and prepares individuals for four key entry-level roles.

	Requirements	Can be considered for
Level One	Level One certification	Possible internship opportunities with participating employers
Level Two	<ul style="list-style-type: none"> One Level Two (core) certification One Level Two (specialisation) certification Three months relevant work experience or six months internship 	Possible full-time job opportunities with participating employers for four key entry-level roles

The four key entry-level roles available are:

- Cloud Infrastructure Engineer
- DevSecOps Platform Engineer

² <https://www.imda.gov.sg/about-imda/research-and-statistics/tech-and-media-talent>

- Cloud Software Engineer
- Cloud Solution Architect (Associate)

Launch of The Skills Pathway for Cloud

7 Minister for Digital Development and Information, Mrs Josephine Teo, officially announced the Skills Pathway for Cloud at the Tech³ Forum 2025 held at The Ritz Carlton, Millenia Singapore. Mr Edward Chen, Chairman of SCS Skills Pathway, witnessed the launch alongside Ms Lim Bee Kwan, President of SCS, Mr Lew Chuen Hong, Chief Executive of IMDA and other representatives from the participating employers.

8 Mr Chen shared, “From the inception of our first skills pathway for Cybersecurity to our current extension – this second Skills Pathway for Cloud – we have been able to directly engage employers, industry leaders, government agencies and training providers. As the nation’s leading professional society for ICT, we are proud to be that bridge between these different stakeholders, and to shape talent development strategies that are aligned with real workforce needs. Most importantly, we are able to help more Singaporeans to secure quality jobs and address the sector’s skills gap.”

9 Mr Tan Kok Yam, Chief Executive of SSG: “As a Skills Development Partner, SCS continues to play an important role in shaping workforce capabilities, by identifying critical roles and emerging skills in the digital space. The active participation of our partners ensures that the skills pathway is grounded in real-world needs and supported by employers – offering individuals relevant training and meaningful opportunities for employment. We look forward to deepening our partnerships to co-create more skills pathways to support the workforce.”

10 Mr Kiren Kumar, Deputy Chief Executive, IMDA said “Cloud is the unseen force powering the AI revolution and Singapore must be ready to harness it. Through TechSkills Accelerator (TeSA), IMDA is building the next wave of cloud capabilities, from guiding entry-level professionals towards industry-recognised certifications, to creating quality job and training opportunities that put those skills to work. By strengthening both the talent pipeline and the opportunities available, we are positioning Singapore to lead in the AI economy.”

11 For more information about the Skills Pathway for Cloud, please visit <https://skillspathway.scs.org.sg/cloud>.

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About Singapore Computer Society

The Singapore Computer Society (SCS) is the leading Infocomm and digital media society for industry professionals, leaders, students, and tech enthusiasts. Established in 1967, SCS has a thriving membership base of over 55,000 members today. Through 14 Chapters and five Special Interest Groups, SCS remains steadfast in its commitment to establishing a strong reputation as the voice of Singapore's Infocomm and digital media community. SCS strives to add value to its members' professional and personal development goals. From publications to training and development, networking opportunities and more, SCS supports its members by fuelling their ambition to connect, collaborate and be inspired with innovation and excellence.

For more information, please visit <https://www.scs.org.sg/> or follow SCS on [LinkedIn](#)

About SkillsFuture Singapore

SkillsFuture Singapore (SSG) drives and coordinates the implementation of the national SkillsFuture movement, promotes a culture of lifelong learning and strengthens the ecosystem of training and adult education in Singapore. Through a holistic suite of national SkillsFuture initiatives, SSG enables Singaporeans to take charge of their learning journey in their pursuit of skills mastery. SSG also works with key stakeholders to ensure that students and adults have access to high quality and industry-relevant training that meet the demands of different sectors of the economy for an innovative and productive workforce. For more information, visit www.skillsfuture.gov.sg.

About the Infocomm Media Development Authority (IMDA)

IMDA leads Singapore's digital transformation by developing a vibrant digital economy and an inclusive digital society. As Architects of Singapore's Digital Future, we foster growth in Infocomm Technology and Media sectors in concert with progressive regulations, harnessing frontier technologies, and developing local talent and digital infrastructure ecosystems to establish Singapore as a digital metropolis.

For more news and information, visit www.imda.gov.sg or follow IMDA on LinkedIn (IMDAsg), Facebook (IMDAsg) and Instagram (@imdasg).

ANNEX A

List of Certifications for Skills Pathway for Cloud

Level 1
Course/Certification
AWS Certified Cloud Practitioner
Google Cloud Digital Leader
Oracle Java Certified Foundations Associate
Microsoft Certified: Azure Fundamentals
Microsoft Certified: Azure Network Engineer Associate
Nutanix Certified Associate (NCA)
OCI Foundations Associate
PL-900 Microsoft Power Platform Fundamentals
Cisco Certified Network Associate [CCNA]
Red Hat Certified System Administrator
Cisco Networking Essentials
CompTIA Network+

Level 2 (Core)
Course/Certification
Architecting on AWS (AWS Certified Solution Architect – Associate)
Microsoft Certified Azure Administrator Associate (AZ-104)
Kubernetes and Cloud Native Associate (KCNA) Training
HashiCorp Certified: Terraform Associate
Red Hat Certified Specialist in Container

Level 2 (Specialisation)
Course/Certification
Advanced Architecting on AWS (AWS Certified Solution Architect – Professional)
AWS Certified Advanced Networking - Specialty
AWS Certified DevOps Engineer Professional Training
AWS Certified Security - Specialty
Certified Kubernetes Administrator (CKA)
Certified Kubernetes Application Developer (CKAD) Training
Cisco Certified Network Professional (CCNP)
Developing on AWS (AWS Certified Developer – Associate)

GitLab CI/CD Professional
Google Cloud Professional Cloud Network Engineer
Google Professional Cloud DevOps Engineer
HashiCorp Certified” Terraform Associate
Microsoft Azure Developer Associate (AZ-204)
Microsoft Azure Security Engineer Associate (AZ-500)
Microsoft Certified: DevOps Engineer Expert
Nutanix Certified Professional – Cloud Native (NCP-CN)
Oracle Cloud Infrastructure (OCI) Architect Professional
Google Professional Cloud Architect
Red Hat Certified Specialist in Cloud Infrastructure
Microsoft Certified: Azure Solutions Architect Expert
Red Hat OpenShift Administration