

ORACLE

Oracle's efforts in promoting Java in Education

A briefing for the Java Community Process – Executive Committee

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Giving back to the community is something we take very seriously

Oracle launches second cluster of data centres in Singapore

Cloud provider also plans to offer training to several hundred polytechnic students

Krist Boo
Senior Business Correspondent

Rising cloud provider Oracle is doubling down on its infrastructure investment in Singapore with a second cluster of data centres, which it calls a cloud region.

The cluster is one of 10 more planned on top of the 41 that the firm has built in recent years, reflecting a huge and growing appetite for cloud computing services as firms accelerate their digitalisation journey and adoption of artificial intelligence (AI).

Oracle's second cluster of data centres comes less than 18 months after it opened its first in Singapore, the only South-east Asian country to have an Oracle cloud region. Its other Asia-Pacific cloud regions are located in Japan, South Korea, Australia and India.

The Texas-based company, which reported its financial earnings just nine days after its last

quarter closed in February, to demonstrate the power of its cloud productivity, is about to become the world's fastest-growing cloud provider with over 40 per cent revenue growth.

Analysts project it to be soon joining the ranks of Microsoft Azure and Amazon Web Services in the field.

At its Oracle CloudWorld Tour event at Marina Bay Sands on Tuesday, Mr Edward Screven, Oracle's chief corporate architect, spoke of the benefits the second region brings to its clients.

"We now have more capacity in South-east Asia. So if you are using the first (cloud) region in Singapore, you can now implement disaster recovery, economical and business continuity," he said.

"If you have business in Singapore and you have data residency requirements, you can implement business continuity and keep that data in Singapore."

Both cloud regions in Singapore



Senior Minister of State for Communications and Information Tan Kiat How (right) with Oracle chief corporate architect Edward Screven at the Oracle CloudWorld Tour event at Marina Bay Sands on Tuesday. PHOTO: MCI

will be run on 100 per cent renewable energy by 2025.

Following a fireside chat at the event with Mr Tan Kiat How, Senior Minister of State for Communications and Information, Oracle announced it would offer training places to several hundred students from the five local polytechnics.

The trainees will be promised jobs at the end of their three-year stint with the company, which has about 1,100 employees in Singapore, and its business partners and clients.

Mr Tan had called on Oracle and tech companies to provide opportunities for young people.

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"It's not just the young people who go to universities. There are many young people in Singapore who go to other institutes of higher learning, for example, polytechnics or institutes of technical education," he said.

"They are very, very good at maths and science, very good with their hands, which I think makes them suitable for the technology space."

Amid the global tech talent

crunch, Mr Tan hopes jobs like these will benefit not only youth from Singapore but also those in the region.

"There are many Indonesians, Malaysians, Thais, people in Vietnam, who also need these opportunities," he said.

Mr Phuah Aik Chong, head of digital engineering at Petronas, said the Malaysian oil and gas company started moving its workloads into the multi-cloud three years ago. It now hosts its applications on Microsoft Azure and data in Oracle Cloud Infrastructure.

Compared to servers, being on the cloud allows experiments such as in AI to be more cost-effective. He said: "We could just cut our losses if it doesn't work out."

Research company IDC forecasts that overall public cloud services market in the Asia-Pacific, excluding Japan, will rise from US\$53.4 billion (S\$70.8 billion) in 2021 to US\$153.6 billion in 2026.

Ms Estelle Quek, its senior research manager in cloud-buying trends, said that despite its higher electricity and labour costs compared with alternative markets, Singapore's sub-sea cable connectivity and hub status are strengths.

Oracle's new investment boosts Singapore's quest to be "one of the top markets for data centres globally, with sustainability at its core", she said.

"I run a survey every year and when I ask, 'what are the criteria if you select a cloud provider or a data centre player', sustainability is always one of them."

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Tan Kiat How

Senior Minister of State for Communications and Information
Ministry of Communications and Information

Nurturing the next generation of Java and Cloud Developers

Building new careers

Career Center offering content to help Learners make connections between curriculum and careers

Lay the foundation

Curriculum focused on object-oriented programming in Java to get the basics right for the Learner



Formalize the learning

Industry-recognized certification to formalize the learning and allow Educators and Learners to stand out in today's job market

Access the tools

Access to Oracle Cloud Free Tier and other tools for both Educators and Learners when it comes to learning and developing in the cloud

Training the educators

Helping Educators raise their own technical skills through training and professional development

Reinforce the learning

Learners continue to hone their skills through Hands-on Labs, Projects and Workshops



Early exposure to Java & Cloud

Working with the local Polytechnics and the Institute of Technical Education (ITE) to offer internships to students pursuing ICT courses to build up relevant technical skills and experience

- **Real-world exposure to build experience**

Attachments to various Oracle business units and getting involved with actual customer projects involving solution development using Java and Oracle cloud technology

- **Hard and soft skills training to build competency**

Exposing students to soft skills and technical training via instructor-led classes and on-demand learning, with opportunities for certification including OCAJP and OCI



Readying for a career in Tech

Working with our university partners to help give their students a head start as they prepare for a career in Enterprise Tech

- **Work-study program in research & innovation**
Helping students gain greater exposure in Java and Oracle cloud technology by working on applied research projects spearheaded by Oracle Labs
- **Curriculum integration, training, and certification**
Integrating Oracle Academy curriculum, training programs and professional certification on Java, database management, and cloud computing technologies



Mid-career transition to Tech

Supporting the Singapore Government's effort in providing continuous education and training to facilitate the transition into Tech by mid-career profession

- **Internship programs leading towards full-time employment**

Placing selected interns to work on real-world Java software development spearheaded by the Java Platform Group. Full-time employment possible for interns who show aptitude and potential

- **Curriculum integration, training, and certification**

Integrating Oracle Academy curriculum, training programs and professional certification on Java, database management, and cloud computing technologies



Our mission is to help people see
data in new ways, discover insights,
unlock endless possibilities.



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