

# Smart Nation and Digital Government Office Partners with Google Cloud to Launch Artificial Intelligence Government Cloud Cluster

Government agencies in Singapore can now tap Google Cloud's generative AI capabilities and partner ecosystem to accelerate the development of next-generation citizen-centric services

Google Cloud will also support GovTech's whole-of-government AI skilling initiatives

**Singapore, May 31, 2023** - Today, at the Google Cloud Singapore Summit 2023, the [Smart Nation and Digital Government Office \(SNDGO\)](#) and [Google Cloud](#) announced the launch of the Artificial Intelligence Government Cloud Cluster (AGCC), a comprehensive platform designed to accelerate AI adoption in Singapore's public sector, advance local research efforts in applied AI, and support the growth of the local AI startup ecosystem.

SNDGO and Google Cloud have implemented the AGCC for use by Singapore's government agencies and [research, innovation, and enterprise \(RIE\) ecosystem](#). The AGCC is hosted in a dedicated cloud computing environment in Singapore. Through the AGCC, agencies can take advantage of Google Cloud's enterprise-grade AI technology stack and [extensive partner ecosystem](#) of software-as-a-service companies, consultancies, and AI startups to build and deploy scalable and impactful AI applications quickly, securely, responsibly, and cost-effectively.

Capabilities from Google Cloud's AI technology stack include:

- **AI-optimized infrastructure:** High-performance [A2 supercomputers](#) powered by NVIDIA's A100 Graphics Processing Units (GPUs) and hosted on Google Cloud's open, scalable, secure, and [energy efficient](#) infrastructure. This enables cloud engineers to train computationally intensive AI models at high velocity, while optimizing cost and mitigating the associated environmental impact.
- **Customizable first-party, third-party, and open-source AI models:** A [central repository](#) for AI practitioners to access pre-trained generative AI models, with integrated features to help them [customize](#) these models for specific needs. The repository hosts a variety of first-party, third-party, and open-source models that are built for different tasks. These include models for summarizing and translating text in multiple languages, maintaining an ongoing conversation, turning audio into text, creating studio-grade images from text descriptions, and generating and fixing software code. International AI startups that are looking to make their foundation models available to government agencies in Singapore can work with Google Cloud to host these models on the repository.
- **No-code AI developer tools:** A [Generative AI App Builder](#) for developers—including those with limited technical skills—to quickly build [chatbots](#) and [enterprise search](#) experiences powered by Google Cloud's generative AI models, and seamlessly embed them into applications and websites.
- **Explainable AI and data governance toolkits:** A suite of built-in tools that can help government agencies deploy AI securely and responsibly. This includes features for access control and content moderation, unique mechanisms for incorporating human feedback to improve model performance, and the ability to [audit](#) the sources behind AI models' outputs to detect and resolve potential bias and ensure that model behavior is [compliant](#) with regulations.

The [Government Technology Agency \(GovTech\)](#) is the first public sector organization in Singapore to leverage the AGCC. Its [Open Government Products \(OGP\)](#) team has integrated with Google Cloud's [Vertex AI](#) and is exploring the use of its models in Pair, which are large language model-powered assistants that civil servants can use to help them boost their productivity, with privacy and security safeguards in place to maintain the confidentiality of government information.

To enable government agencies to deploy AI applications most effectively and responsibly, Google Cloud will

partner with GovTech to design and run whole-of-government Digital Academy programs that help agencies build in-house data science and AI expertise, develop AI innovation strategies, and implement [data governance best practices](#). These training programs are an expansion of Google Cloud's [existing public sector skilling commitments](#). The programs will be offered in various tailored forms to 150,000 public officers across 16 ministries and more than 50 statutory boards.

Sherie Ng, Country Director, Singapore, Google Cloud, said: "AI can shape the public sector's digital service delivery in profound and meaningful ways – from [automating data entry](#), to [detecting fraud](#), to [accelerating cancer research](#), to [strengthening emergency response](#), to [informing water resource management](#), and more. Beyond providing Singapore government agencies with access to advanced and truly open AI technologies, we look forward to working with GovTech to build a vibrant pool of homegrown talent across a range of AI-related roles in public service, to help advance Singapore's [national strategy](#) for deploying scalable and responsible AI innovations."

From June 2023, government agencies in Singapore can access the AGCC and other accredited Google Cloud services through the [Government on Commercial Cloud \(GCC\) 2.0 platform](#). Built by GovTech, the GCC platform provides agencies with a consistent and regulated way to adopt commercial cloud solutions. GCC 2.0, the second iteration of the platform, is integrated with cloud-native capabilities and cloud security practices, allowing agencies to tap a wider ecosystem of services and talent to accelerate the development of modern digital applications.

### **About the Smart Nation and Digital Government Group**

The Smart Nation and Digital Government Group (SNDGG) was set up under the Singapore Prime Minister's Office (PMO) in May 2017, to drive and coordinate Smart Nation and digitalization efforts across the Singapore Government.

SNDGG is made up of the Smart Nation and Digital Government Office (SNDGO), which plans and prioritizes key strategic national projects, drives the digital transformation of government, builds long-term ICT capabilities for the public sector, and promotes adoption and participation from the public and industry, to take a collective approach in building a Smart Nation. SNDGG also comprises the Government Technology Agency (GovTech) as the implementing agency of SNDGO.

For more information, please visit [www.smartnation.gov.sg](http://www.smartnation.gov.sg).

### **About Google Cloud**

Google Cloud accelerates every organization's ability to digitally transform its business. We deliver enterprise-grade solutions that leverage Google's cutting-edge technology – all on the cleanest cloud in the industry. Customers in more than 200 countries and territories turn to Google Cloud as their trusted partner to enable growth and solve their most critical business problems.

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