

Cloud computing the way forward for government agencies



Monday, November 29th, 2021 at [Technology](#)



SPONSORED CONTENT

The Malaysian Administrative Modernisation and Management Planning Unit (MAMPU) has been working with the Prime Minister's Department to digitalise government services, through various information and communications technology (ICT) services.

Ultimately, MAMPU hopes to ensure the public sector adapts to the Industrial Revolution 4.0, in line with the Malaysian Digital Economy Blueprint, or MyDIGITAL.

In 2010, MAMPU developed the Public Sector Data Centre (PDSA), a government-shared service programme that combines data centres and disaster recovery for government entities.

Through the PDSA, MAMPU intends to standardise ICT infrastructure, optimise resource utilisation, save on government expenditures as well as improve service quality and security.

One of MAMPU's services includes MyGovCloud@PDSA, which centrally handles cloud hosting services for government agencies. This private cloud solution includes Infrastructure as a Service (IaaS), Platform as a Service (PaaS) and Software as a Service (SaaS).

Additionally, MyGovCloud@PDSA offers backup, restoration, disaster recovery centres, technical consulting services, network availability and security monitoring under their support services.

To ensure stable and secure connections, a high-capacity Data Dense Wavelength Division Multiplexing (DWDM) line connects the four MyGovCloud@PDSA facilities and an exclusive Managed Internet Gateway known as MyGov*Net.

MyGovCloud@PDSA is maintained and operated by experienced and professionally certified ICT staff, who adhere to information security management system standards.

The infrastructure is also equipped with cutting-edge ICT network equipment, security, hardware and software, ensuring a high degree of service availability under the Service Level Agreement (SLA).

DECADE-LONG EXPERIENCE

For nearly a decade, MyGovCloud@PDSA has provided cloud computing services to 204 government agencies.

Involving over 860 public sector critical application systems, MyGovCloud@PDSA has developed cloud computing platforms for federal agencies, federal and state statutory authorities, state governments and local authorities, as well as public institutions of higher learning.

Besides that, MAMPU has taken another step forward with the Government Hybrid Cloud.

This infrastructure involves a strategic collaboration between MyGovCloud@PDSA and four commercial Cloud Service Provider (CSP) Panels, namely Microsoft, Google, TM and Amazon Web Services (AWS).

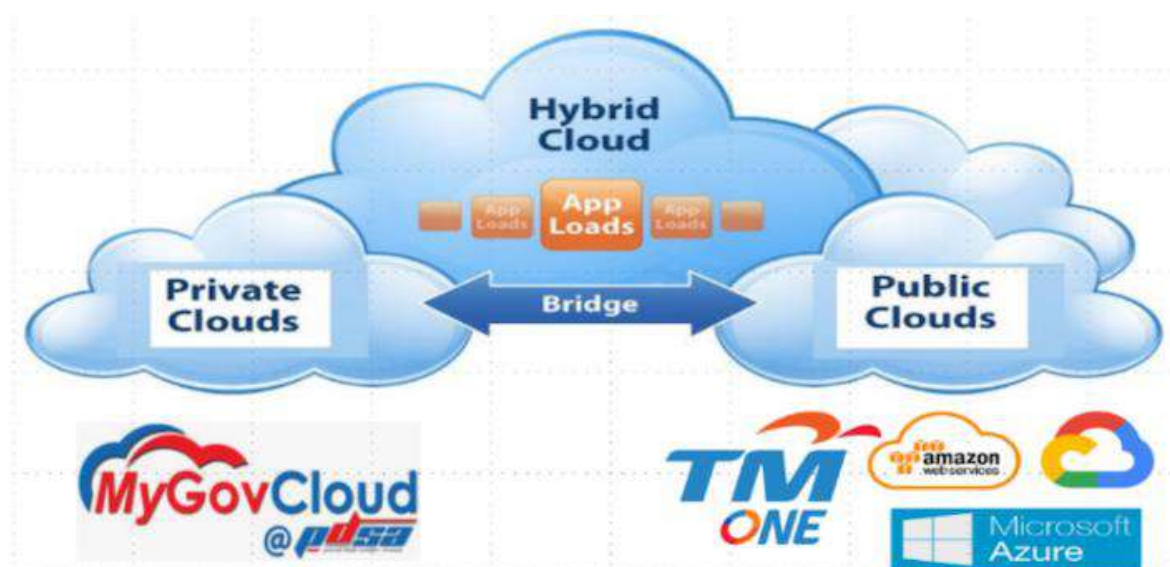


Figure 1: Government Hybrid Cloud consisting of MyGovCloud@PDSA with Panel Cloud Service Provider (CSP)

This collaboration is a result of the declaration made by Muhyiddin Yassin, Malaysia's former Prime Minister, at the introduction of MyDIGITAL on February 19, 2021, which aims to optimise government resources through digitalisation and cloud computing.

The Government Hybrid Cloud will allow public sector agencies to take advantage of emerging technologies such as data analytics, artificial intelligence (AI), blockchain, the internet of things (IoT) and virtual or augmented reality (VR/AR).

This service will become available in the first quarter of 2022, and is part of the government's move to help Malaysia achieve the Vision of Shared Prosperity 2030, in line with the United Nations Sustainable Development Goals (SDGs), namely Industry, Innovation and Infrastructure.

The government is expected to benefit from bulk discounts with the installation of the Government Hybrid Cloud service, based on the number of public sector agency subscriptions to CSPs.

In addition, public sector agencies can also enjoy various other benefits such as training, certification courses and technology transfer to strengthen human resource skills and internal expertise.

The Public Administration Development Circular (PKPA) No. 1 of 2021 dated June 10, 2021 on Public Sector Cloud Computing Services, explains the importance of using cloud computing to implement all ICT projects of public sector agencies, especially those involving critical government applications as shown in Figure 2.

Furthermore, cloud procurement procedures will be tightened to improve the efficiency of procurement management for public sector ICT projects.

KANDUNGAN PENTING PKPA BIL. 1 TAHUN 2021



Dipatuhi oleh
Agensi Sektor
Awam



Perkhidmatan
Pengkomputeran Awan
bagi semua pelaksanaan
Projek ICT



Keutamaan penggunaan
MyGovCloud@PDSA bagi
projek kritikal



Pengecualian jika ada halangan
perundangan, keselamatan,
melibatkan akititektur sistem dan
pemprosesan berprestasi tinggi



Perancangan &
peruntukan untuk
pengkomputeran awan



Penggunaan
Pengkomputeran yang
sedang dilanggan perlu
mematuhi polisi ini



Mendapatkan kelulusan
MAMPU dan merujuk
kepada *Cloud
Framework Agreement
(CFA)*

Figure 2: Main Contents of PKPA No.1/2021

In conclusion, the MyGovCloud@PDSA and Government Hybrid Cloud initiatives will point public sector agencies towards achieving sustainable government services based on digital technology innovation. All in all, this is a step in the right direction to realise the targets outlined in MyDIGITAL and further meet the country's 2030 Shared Prosperity Vision.

Written by: Fionaa Kessler

This article originally appeared on the New Straits Times with rights to be republished on The Malaysian Reserve.