FACTSHEET

Singapore Government Tech Stack

The **Singapore Government Tech Stack** (SGTS) is an agile platform that empowers agencies to build their digital applications.

Currently, most government agencies develop independent services and infrastructure to meet the needs of specific groups they serve.

The SGTS, developed by the Government Technology Agency of Singapore (GovTech), provides shared digital services and infrastructure to all government agencies. With SGTS, government agencies will be able to tap on a suite of tools and services hosted on a shared infrastructure. SGTS will also enable easy exchange of data across the government, aggregating data collection for richer insights that will help with policy development and monitoring of operations.

Taken together, SGTS will reduce the time and effort needed to (a) introduce an early version of digital services; and (b) enhance and maintain existing ones. It allows agencies to focus on designing solutions that best meet the needs of those they serve, without worrying about the underlying technical infrastructure.

Please refer to Appendix for an illustration of how government agencies can benefit from using SGTS.

With SGTS, citizens can expect a more seamless, consistent and connected user experience across the spectrum of government digital services. Opening up the SGTS to industry can also help uplift the capabilities of local companies, and is especially beneficial for those that lack access to modern digital infrastructure.

Projects on SGTS

One of the early uses of SGTS was for the MyInfo bank pilot. The pilot was developed and delivered in four months using SGTS. Without SGTS, the process would typically take a year. MyCareersFuture.sg and Moments of Life for families with young children are other projects built on SGTS (see how SGTS is powering projects in this video: go.gov.sg/sgts).

Components of SGTS

SGTS is a platform comprising layers of software and infrastructure components. These shared assets are scalable, reusable and interoperable. Key components of the SGTS are appended.

MICROSERVICES

Reusable common services that agencies utilise to build applications such as the National Digital Identity for authentication.

MIDDLEWARE

Software services such as APEX (API Gateway) and WOGAA (analytics) that allow for rapid development, deployment, testing and monitoring.

HOSTING PLATFORMS

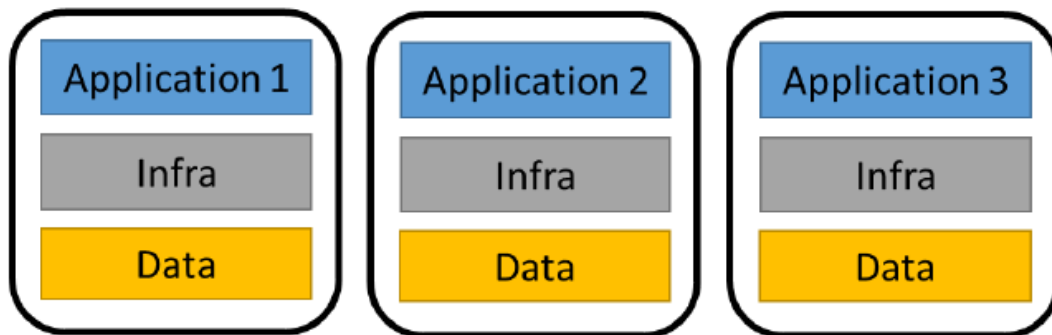Scalable hosting containers with secure connectivity

For media clarification, please contact:

Mehul SHAH (Mr)
Communications & Marketing Group
Government Technology Agency
Tel: +65 6211 1557
Email: Mehul_Shah@tech.gov.sg

Roy TEO (Mr)
Communications & Marketing Group
Government Technology Agency
Tel: +65 6211 0512
Email: Roy_Teo@tech.gov.sg

APPENDIX

Previous silo-model

Application 1	Application 2	Application 3
Infra	Infra	Infra
Data	Data	Data

Using the Tech Stack

Application 1	Application 2	Application 3
APEX Common Infra		
Data	Data	Data