Thailand Data Center Direction 2020

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23 November 2017

Government Data Center (GDC) Modernization

1 — Adoption of cloud technology
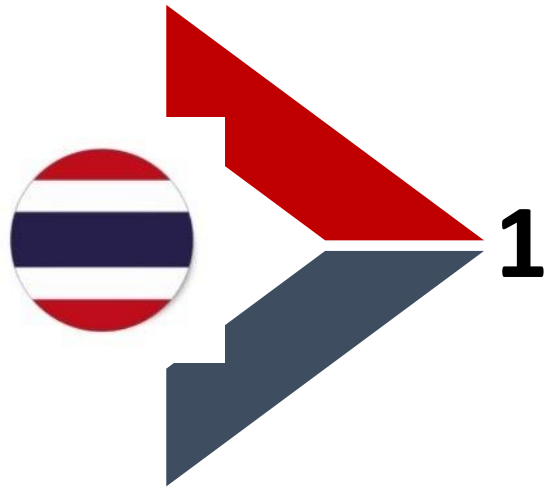
2 — Maturity of cloud computing services

3 — Investments in security technologies

4 — Cross-agency infrastructure sharing and shared services

5 — Cost optimization

6 — Handling of high security data

Thai GDCM is a strategic initiative to help the agency data infrastructure align better with Thailand Digital Economy

1

THAILAND OPPORTUNITY

- 70 mn population
- Strong internal demand for data center
- Data center requirements to grow 30% YOY till 2020

2

DIGITAL THAILAND

- Digital technology to develop infrastructure, innovation, data capability, human capital, and other resources
- 6 Strategies to implement goals: Build high-capacity digital infrastructure, Boost economy with digital technology, Create equitable society through digital technology, Transform into digital government, Develop digital workforce, and Build confidence in use of digital technology

3

DATA CENTER INFRASTRUCTURE

- Data center infrastructure an important component of Digital Economy
- A modern data center infrastructure is the most crucial element to accommodate growing demand for data, services, quality and digital economy

GDCM issues

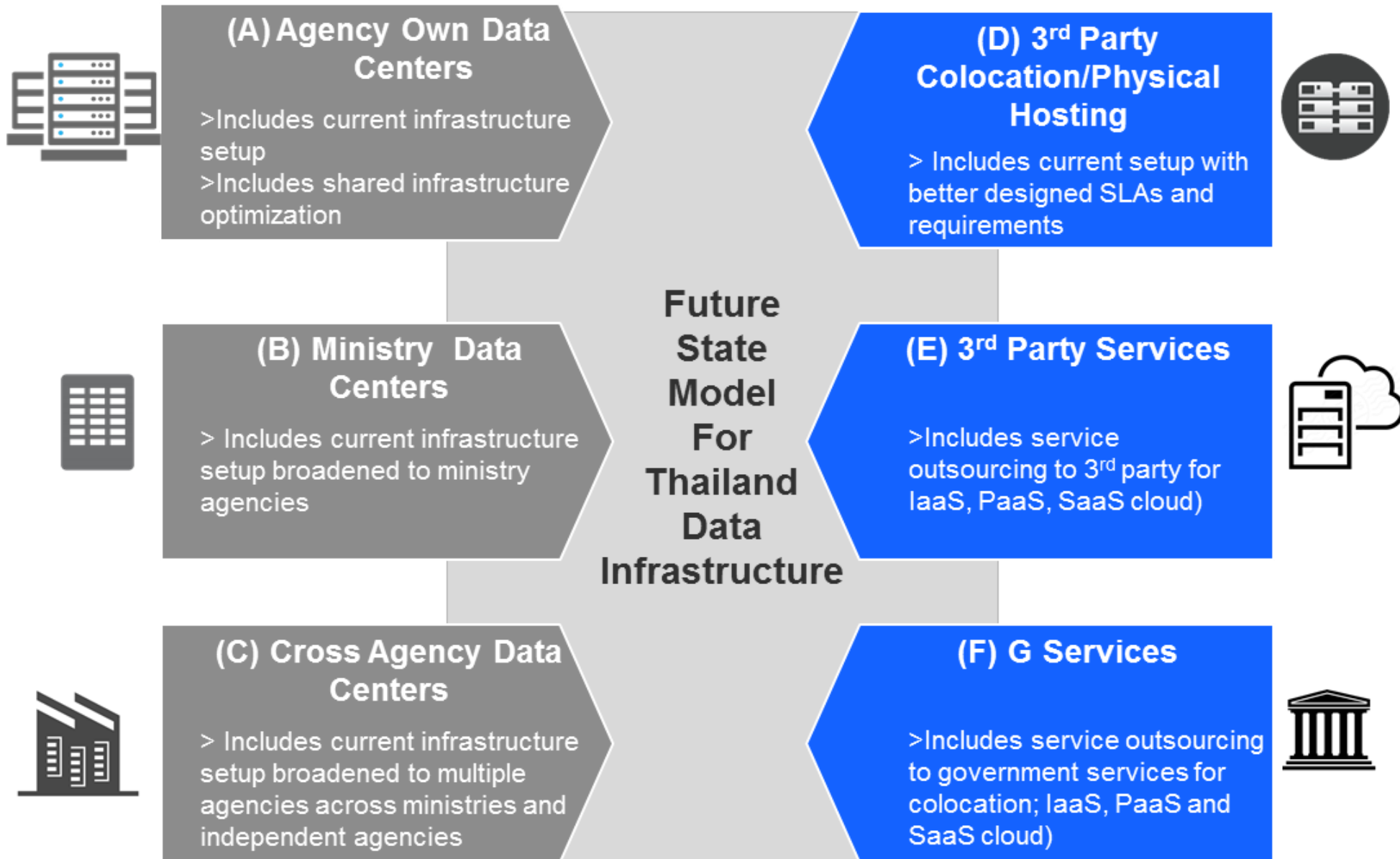|	
Data Security based decision making	**High volume and growth of data**
Efficient operations	**Data Availability at all times**
Multiple standards and adherence	**Hiring and retaining right employees**
Aging infrastructure	**Outsourcing decisions**

GDCM Strategies

1 Alignment with Digital Economy and Prime Minister's vision for Government Infrastructure and Modernization

2 Utilizes the key improvements in technology via standards and SLA adoption

3 Consideration of skillsets, people development, human capital availability, and technology transfer

4 Accountability for agencies and ministries to realize overall objectives.

Future GDC Models

(A) Agency Own Data Centers
>Includes current infrastructure setup
>Includes shared infrastructure optimization

(D) 3rd Party Colocation/Physical Hosting
> Includes current setup with better designed SLAs and requirements

(B) Ministry Data Centers
> Includes current infrastructure setup broadened to ministry agencies

(E) 3rd Party Services
>Includes service outsourcing to 3rd party for IaaS, PaaS, SaaS cloud)

(C) Cross Agency Data Centers
> Includes current infrastructure setup broadened to multiple agencies across ministries and independent agencies

(F) G Services
>Includes service outsourcing to government services for colocation; IaaS, PaaS and SaaS cloud)

Future State Model For Thailand Data Infrastructure

Note: (E) 3rd party services does not include 3rd party colocation, which is captured as a separate service that's being also used currently as (D)

Summary

- **Thailand needs more data centers in years to come due to increase in data, population and economic growth.**

- **Thailand DCM needs strategies to make the transformation agile, secured, cost effective and environmental friendly.**

- **6 available models to support GDC infrastructure modernization: Agency Own Data Center, Ministry Data Center, Cross Agency Data Center, 3rd Party Colocation/Physical Hosting, 3rd Party Services and G-Services depending on the types of data(public, important, national security)**

Thank you

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