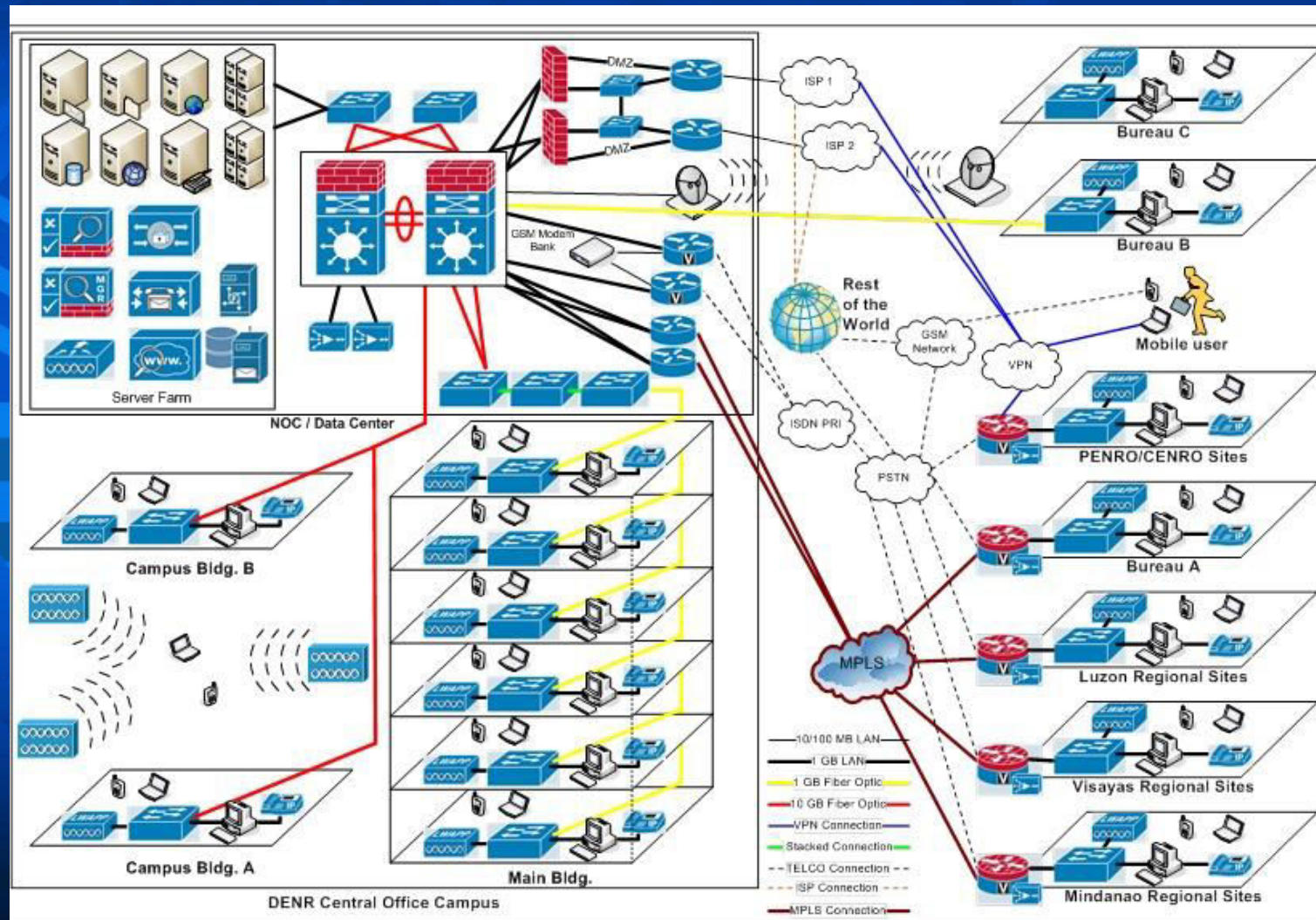


DENR NETWORK INFRASTRUCTURE

DENR Network



Digital Transformation

Adoption of Digital Transformation Strategies



87%

ITDMs say their organization are **adopting**



94%

say their CIO and IT managers feel it is important in order to **achieve business objectives**

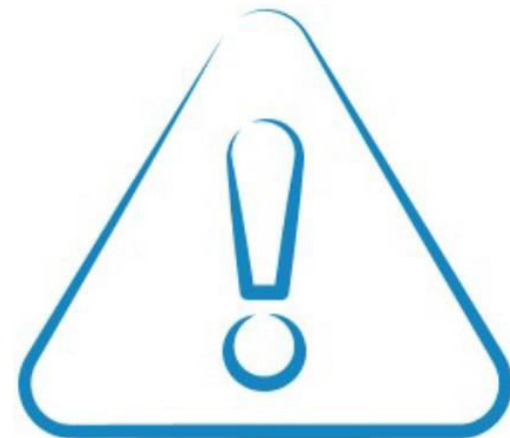


79%

state that their organization is **restricted** in its ability to support digital transformation

It's time to talk about the network

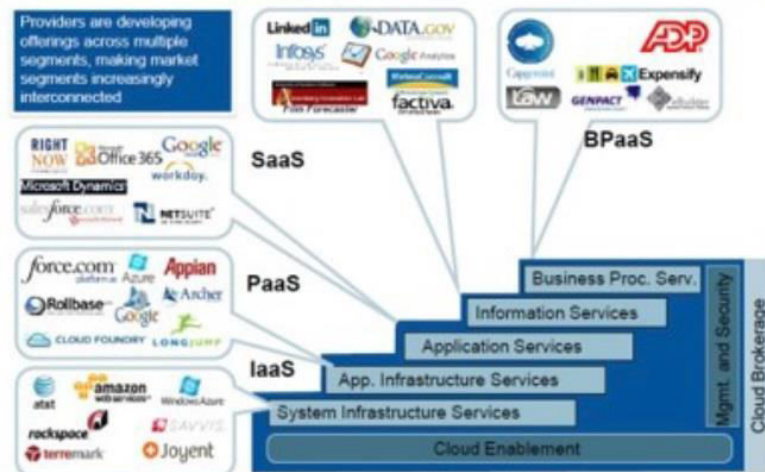
75% of CIOs say the network is an issue in achieving their organizations goals



The Cloud

The Current IT world

Slicing the Cloud Vertically:
Cloud Service Layers continue to evolve



Cloud deployment models: Private to Public

	Closed Private			Open Public		
	Enterprise A	Enterprise A	Enterprise A	Enterprise A	Enterprise B	Enterprise A
	Enterprise Private Cloud	Managed Private Cloud	Virtual Private Cloud Hybrid	Community Public Cloud	Public Cloud	Public Cloud
Owner	Enterprise	Enterprise	Provider	Provider	Provider	Provider
Operator	Enterprise	Provider	Provider	Provider	Provider	Provider
Service Access	Closed (enterprise)	Closed (enterprise)	Closed (enterprise)	Closed group (community)	Open	Open
Level of Control	Full	High	High	Low	None	None
Points of Leverage	Skills (none) Assets (none)	Skills (strong) Assets (none)	Skills (strong) Assets (medium)	Skills (strong) Assets (strong)	Skills (strong) Assets (strong)	Skills (strong) Assets (strong)

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Why the Cloud?

DICT Department Circular No. 2017-02

DEPARTMENT OF INFORMATION AND COMMUNICATIONS TECHNOLOGY

18 January 2017

DEPARTMENT CIRCULAR
NO. 2017 - 002

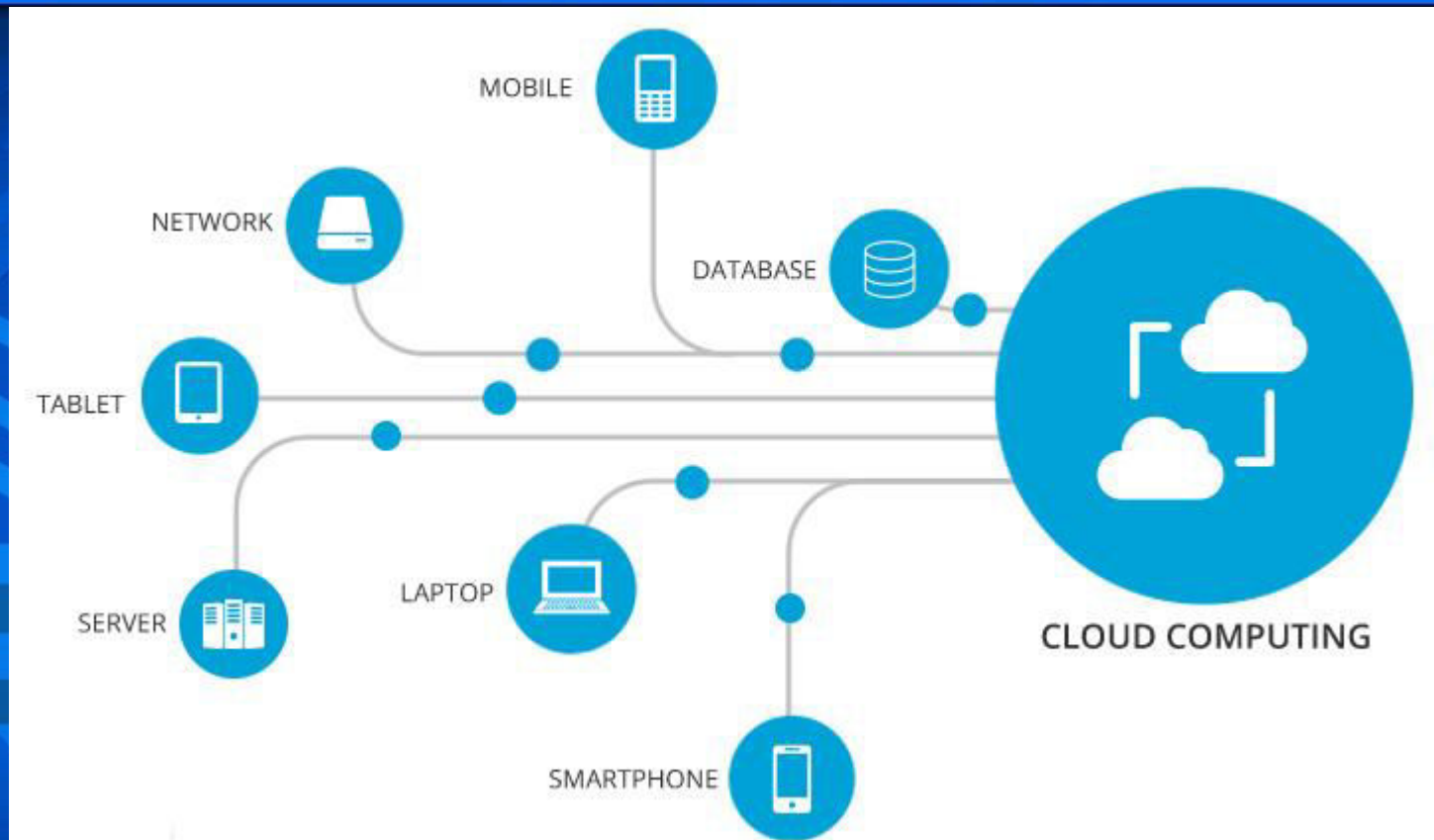
TO: ALL HEADS OF DEPARTMENTS, BUREAUS, OFFICES AND OTHER AGENCIES OF THE NATIONAL GOVERNMENT, INCLUDING CONSTITUTIONAL COMMISSIONS, CONGRESS, THE JUDICIARY, OFFICE OF THE OMBUDSMAN, STATE UNIVERSITIES AND COLLEGES, GOVERNMENT-OWNED OR -CONTROLLED CORPORATIONS, LOCAL GOVERNMENT UNITS AND ALL OTHERS CONCERNED

SUBJECT: PRESCRIBING THE PHILIPPINE GOVERNMENT'S CLOUD FIRST POLICY

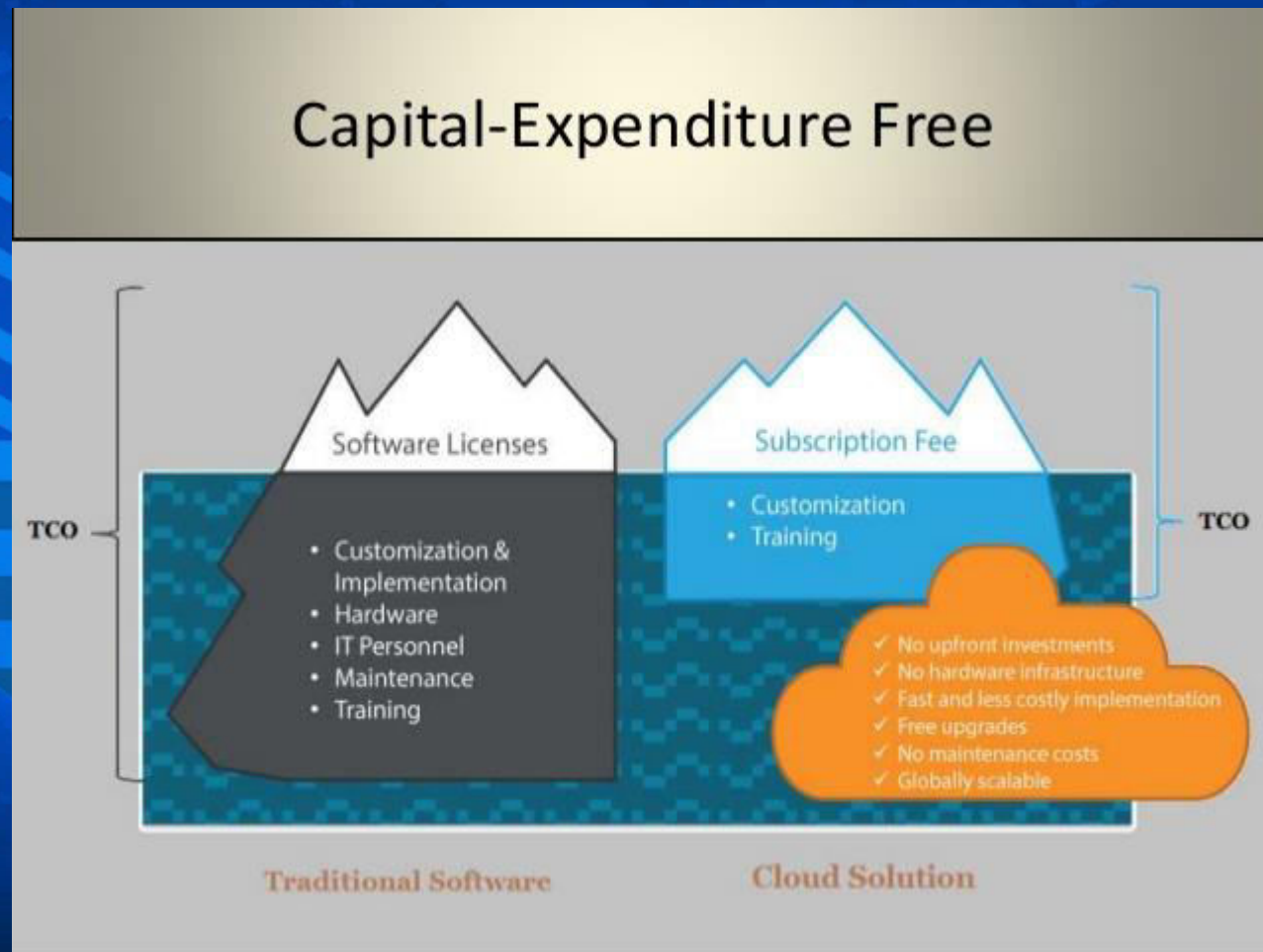
SECTION 1. BACKGROUND AND RATIONALE

- 1.1 Section 2(b) of Republic Act No. 10844 (R.A. 10844) declared as a policy of the state to ensure the provision of a strategic, reliable, cost-efficient and citizen-centric information and communications technology infrastructure (infostructure), systems and resources as instruments of good governance and global competitiveness.

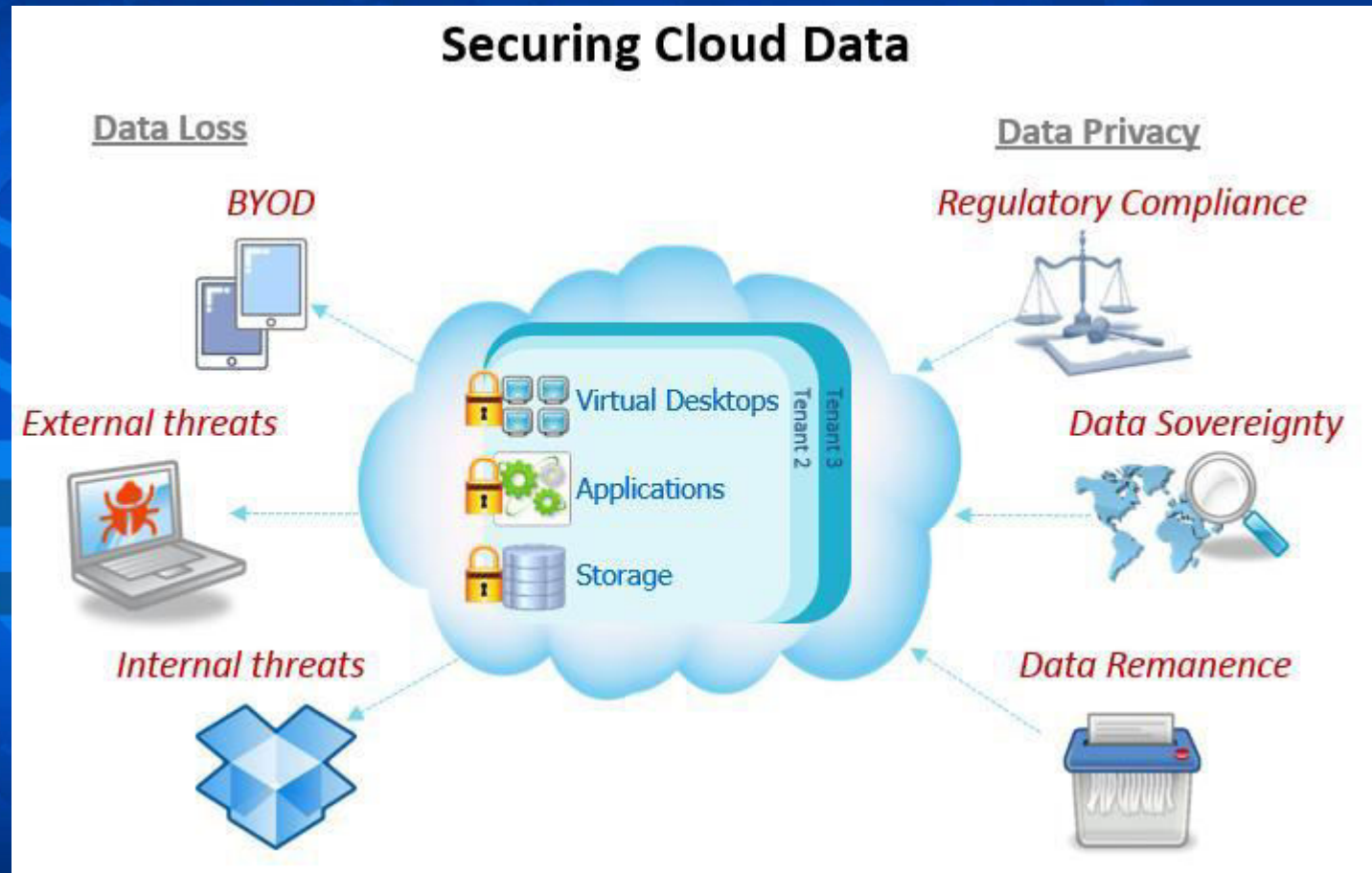
Flexibility



Capital-expenditure free



Security



Environmentally friendly

the good news: **\$150-\$200 billion**

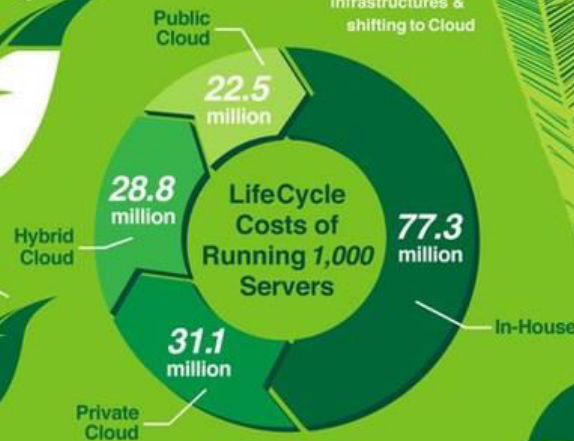
of Federal deficit could be cut & saved by consolidating federal data centers & other IT infrastructures & shifting to Cloud

30%

Large companies running applications in the Cloud can reduce energy consumption & carbon emissions by 30%

90%

Small businesses could achieve even greater energy savings –up to 90%



1,000 servers cut 50% = CO² reduced by 2425.45 metric tons which is equal to reduced emissions equal to those produced by **260.5 homes** or removing **444.2 cars** off the road or planting **5,809.5 trees**





Are we ready?

Projects to support Cloud Migration:

- PENRO/CENRO Internet Connection Project
- DENR Cloud Infrastructure Project
- Network Infrastructure trainings (CCNA, Wireless Tech, etc.)

