



**CISCO**

**Virtual Talk**

**101**  
DATA CENTER

Ditengah situasi saat ini , dimana terjadi perubahan cara akses dalam bekerja dan belajar, dibelakang layar, infrastruktur pendukung harus mengalami penyesuaian yang luar biasa.

Salah satu hal yang terpenting adalah menyusun strategi yang komprehensif untuk membangun data center Anda.

Bergabung Bersama kami di webinar **Data Center 101** bersama ahli Teknologi Data Center

**Mukhammad Andri S**  
Chief Information Officer  
Universitas Islam Indonesia

**Prastowo Yuliarso**  
Data Center Technical Solution  
Architech, Cisco System

# Revamping (to a modern) data center in a pandemic age

Mukhammad Andri Setiawan, PhD  
CIO – Universitas Islam Indonesia  
[andri@uii.ac.id](mailto:andri@uii.ac.id)

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# Hello

**Chief Information Officer**, Universitas Islam Indonesia

**Lecturer**, Informatics Department, Universitas Islam Indonesia

**Instructor Trainer**, Cisco Netacad Indonesia

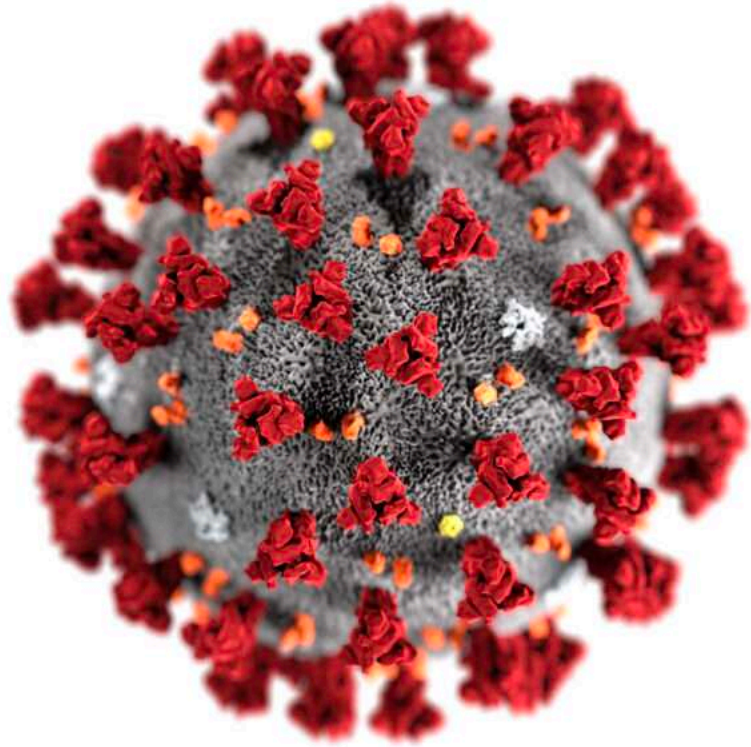
**Administrator & Legal Contact**, eduroam Indonesia

**Training & Community**, IDNIC-APJII

**Infrastructure team**, Indonesia Research Education Network (IdREN)



# Issues we are dealing with, among them



**COVID-19**



**Climate Change**

# Something new ... *or the new normal*



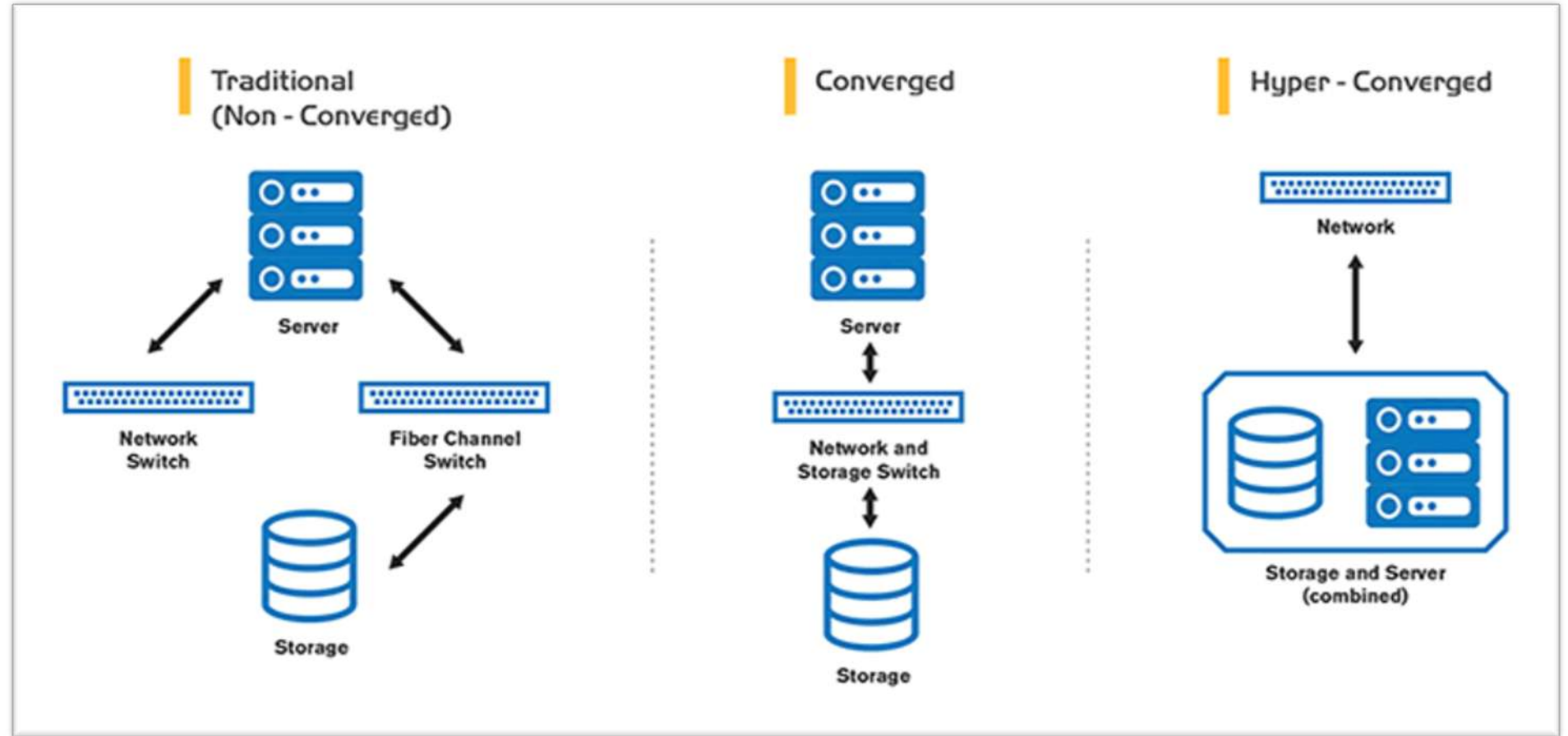
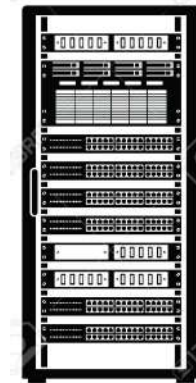
<https://www.medicaleconomics.com/news/behavior-change-theorem-using-debt-model-promote-whole-patient-health>

# Some impacts

- We keep the *mindset*: **Data Center is critical**
- Amid pandemic, **less physical interaction** between us and the data center
- *Infrastructure Management Data Center* is needed more than ever
  - Electricity
  - Airflow
  - Temperature
  - *etc.*

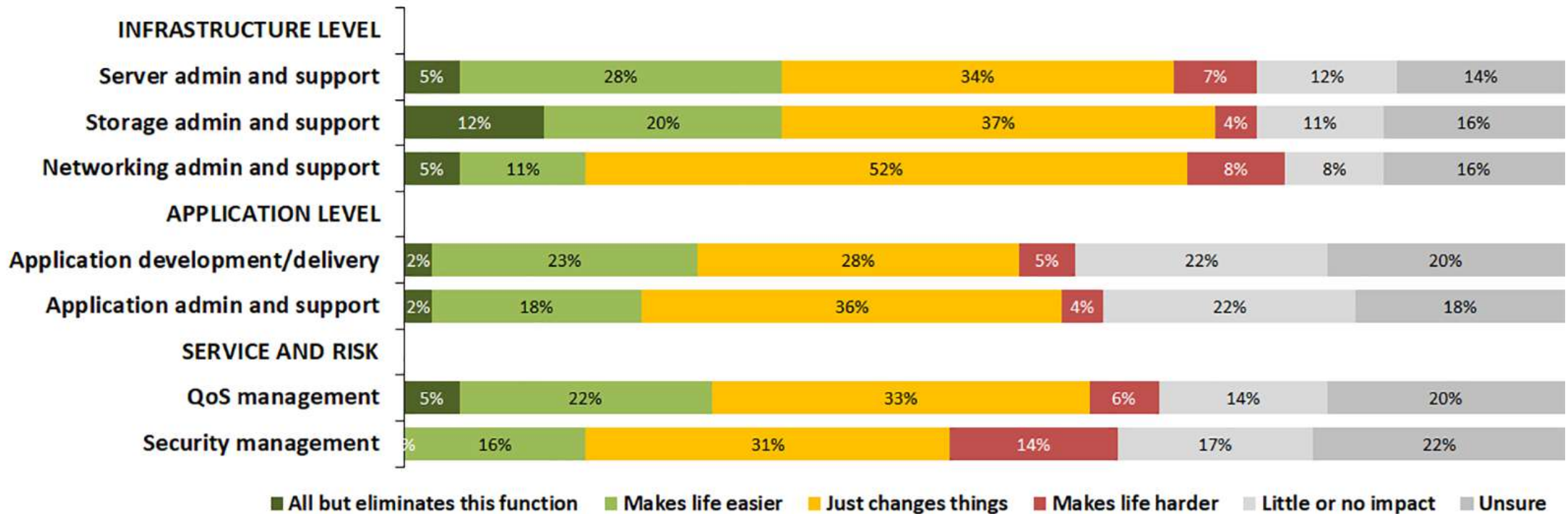


# Less is more



# But, will change in traditional data center to HCI approach really work?

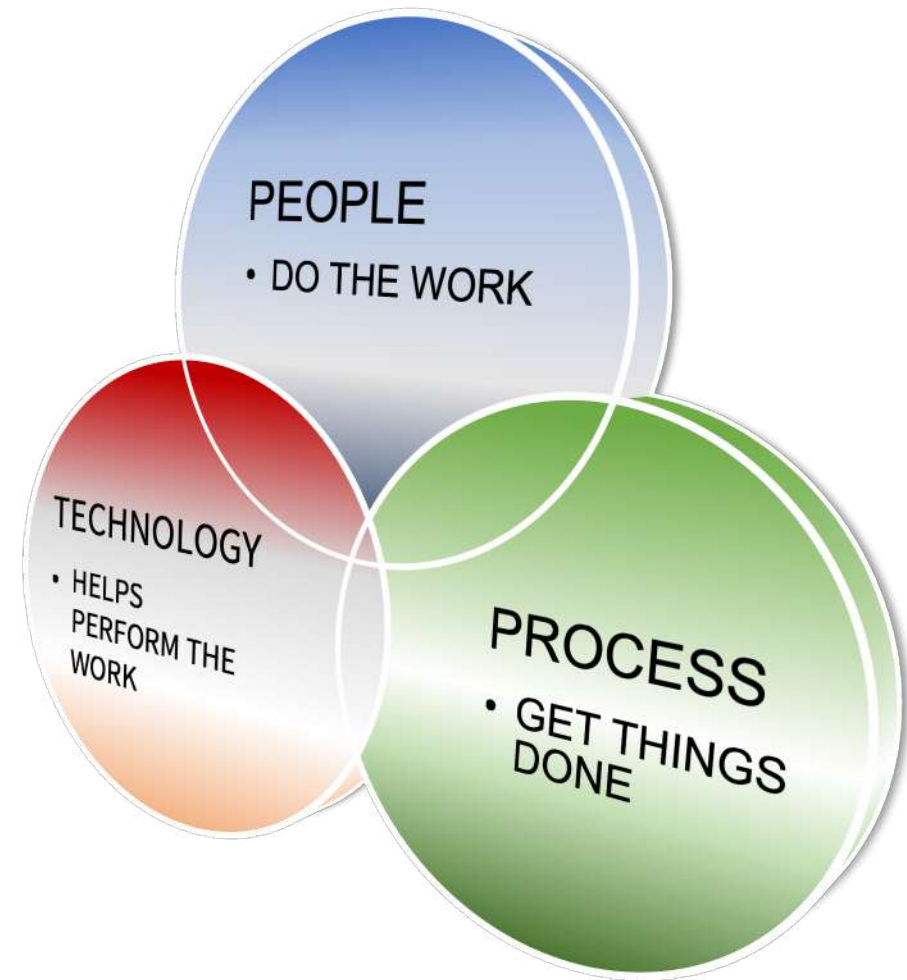
How do you think HCI impacts the following job functions (whether performed on a dedicated basis or as just one aspect of someone's role)?



<https://freeformdynamics.com/core-infrastructure-services/hyperconverged-infrastructure-as-a-catalyst-for-change/>

# People and process are the key!

- e.g. **Automation** won't make you lose job, but rather, let you to refocus to value added business process
- You still need people who can **translate requirements** into technology







### Agile

focuses on  
**processes**

highlighting  
**change**

while accelerating  
**delivery**



### CI/CD

focuses on  
**software-defined life cycles**

highlighting  
**tools**

that emphasize  
**automation**



### DevOps

focuses on  
**culture**

highlighting  
**roles**

that emphasize  
**responsiveness**

<https://www.synopsys.com/blogs/software-security/agile-cicd-devops-difference/>

# Accelerating cloud adoption



# Securing work-from-home arrangements

# Making sure controls are in place

- With less people around, accelerate patching for any critical systems i.e. cloud interfaces, VPNs
- Making sure data center is intensively being monitored (Electricity: Generators, UPSes, Aircon, etc)
- **IAM (Identity & Access Management)** is very important, do not let the guard down just because we want to make everyone on board in WfH scheme

# When you need to focus on privacy

## ***Some doable actions:***

- Setting up on-premise video conferencing
- VPN access, to support not only in accessing *internal* application, but to also secure our users when they connect in *uncharted* territories



# Q&A