oueees-202006 topic 08: Cloud computing basics

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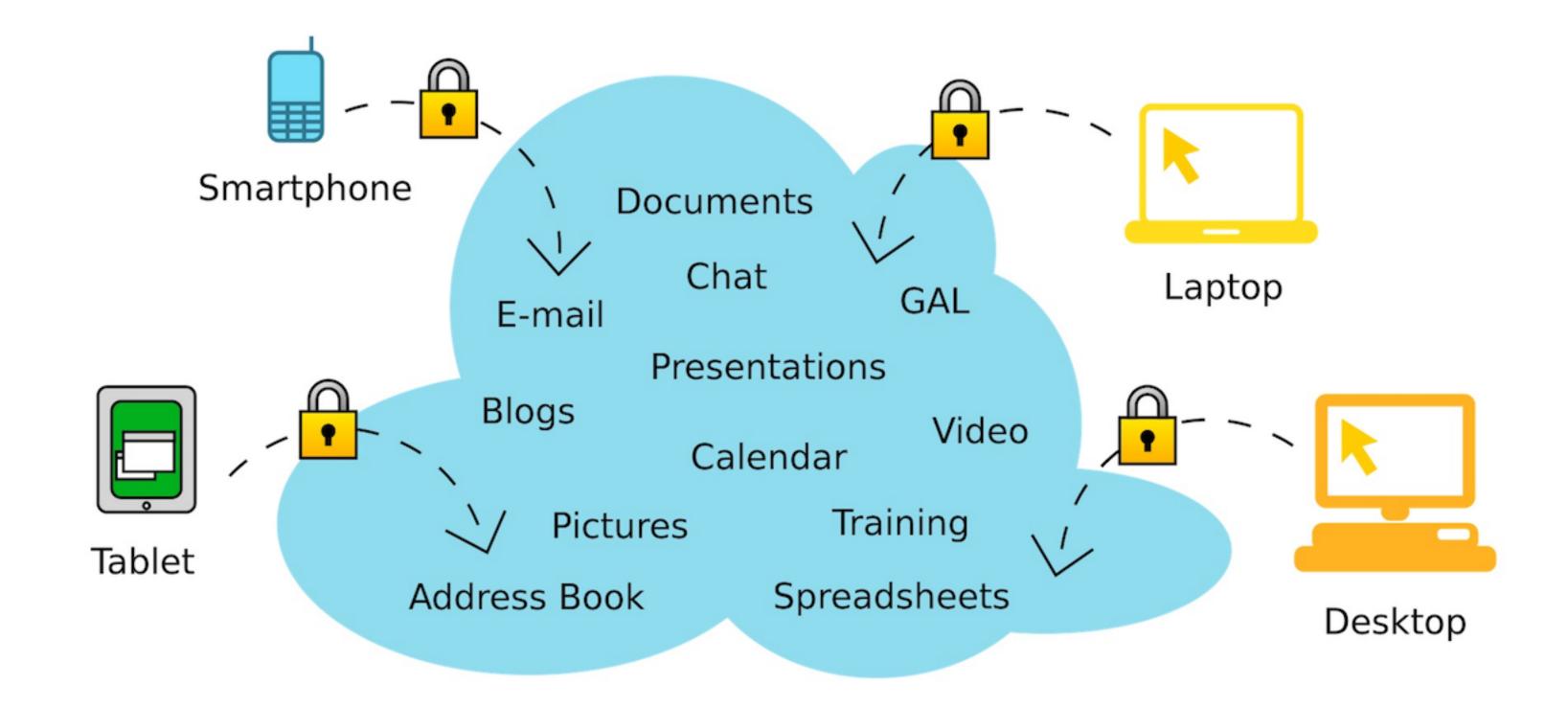
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Lecture notes and reporting

- https://github.com/jj1bdx/oueees-202006-public/
- Check out the README.md file and the issues!
- Keyword at the end of the talk
- URL for submitting the report at the end of the talk

Topic of this video: Cloud computing basics



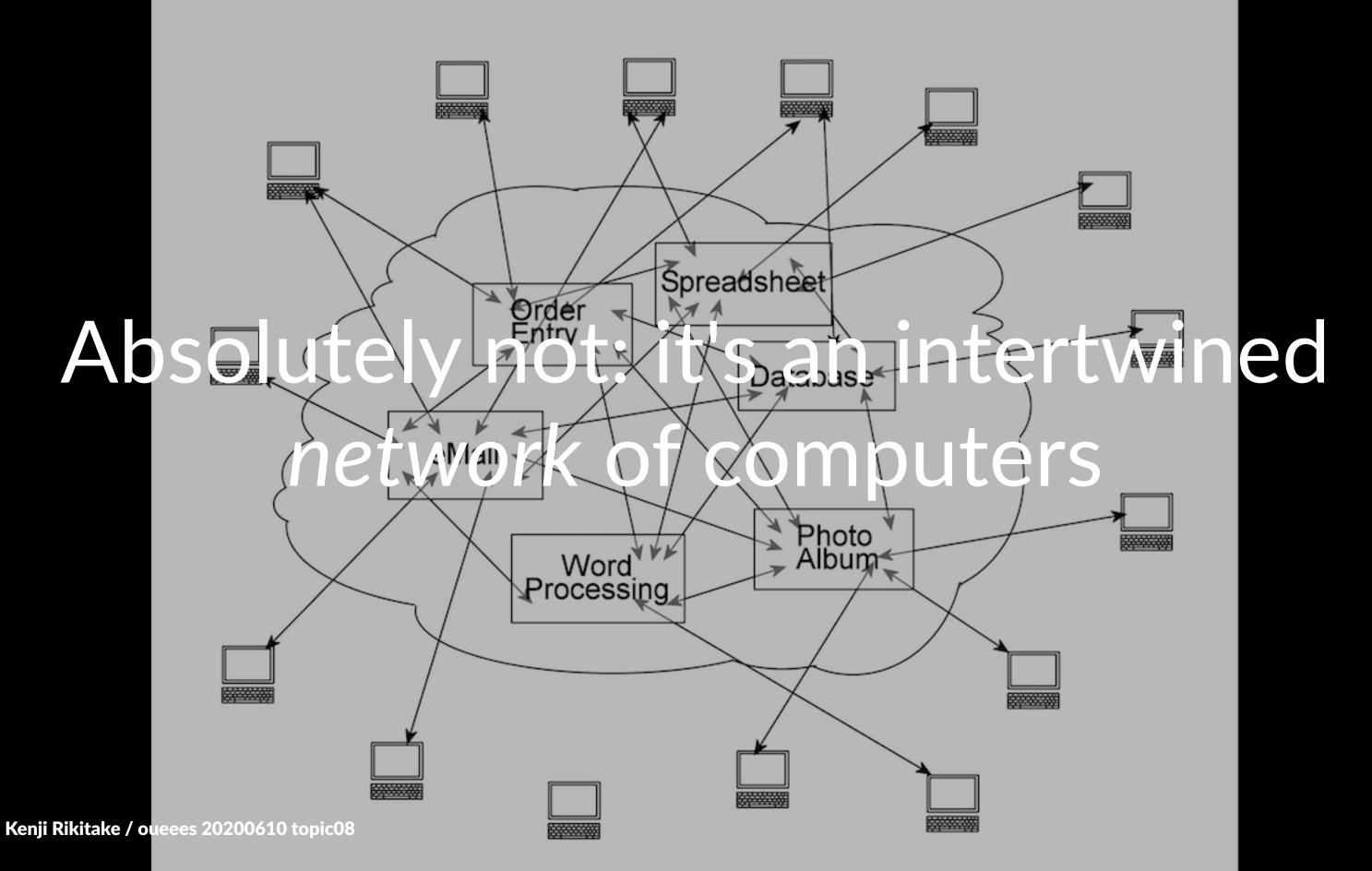


Cloud Computing

Having secure access to all your applications and data from any network device



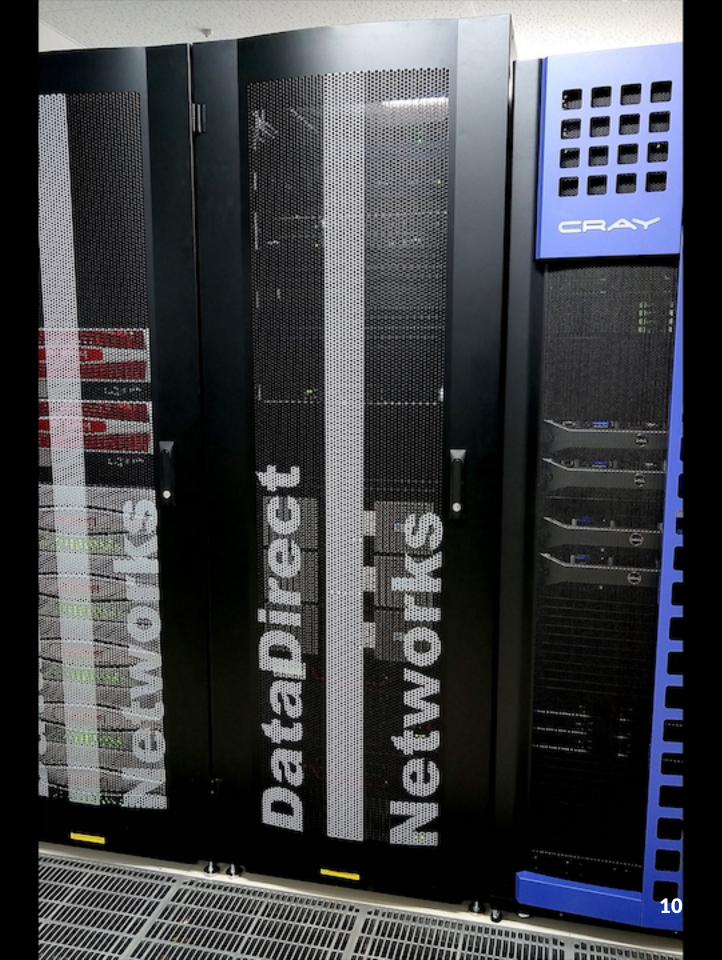
Cloud Computing



Web services are clusters of computers and networks

Thousands or millions of servers connected together

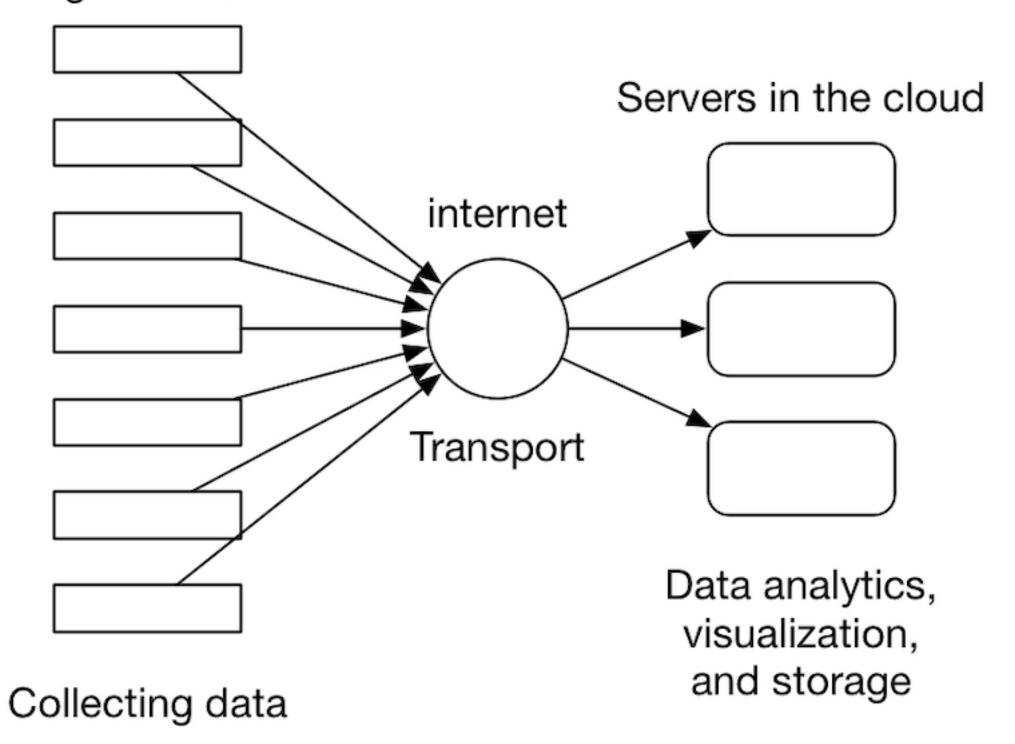
A physical server is separated into multiple virtual machines



Cloud computing is centralization

An example of cloud computing: Internet of Things (IoT) and telemetering

"Things" or devices



Telemetering

- Mostly unidirectional (not really the true and genuine internet)
- Sensors/devices gathering data through internet and feed them to the servers in the cloud computing platforms
- The servers compute
- Extremely centralized

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- Web services are clusters of computers: Kenji Rikitake, at Kyoto University ACCMS, April 2017