## TKT20016 Review questions 4

## I Virtualization

- Differences between 182 types virtualization
  - \* type 1: runs directly on hardwere w/o OS
  - \* type 2: run as application on host Os, relying it for hu access.

Key differences: Type 1 is more efficient, while type 2 is easier to set up.

- 6 Containers vs. type 122 virtualization
  - \* Containers virtualize Os rather than hw.
  - \*They share host OS kernel making them more lightweight vs. VMs.
  - \*VM require full quest 05, containers isolate applications wy namespaces & egroups
  - @ Main benefits of containers over virtual machines
    - \* Faster startup times
    - \* Lower resource consumption due to shared Os.
    - \* Greater portability and scalability

## II Cloud computing

- @ Definition of cloud computing
  - Cloud computing is on-denand delivery of computing resources over internet.
- 1 Cloud deployment models:
  - \* Public cloud + resources provided by third partx
  - \* Prite cloud + dedicated intrastructure for single organisation.
  - \* Hybrid cloud + Conbination of Private and public cloud where data can move between them.
  - \* Multicloud use of multiple providers to avoid lock-in.
- @ Cloud pricing models
  - \*Pay-as-you-go + pay only for actual usage.
  - \* Reserved instances + commit to certain level of usage for discount.
  - \* Spot pricing + use spare capacity at Loner cost.
  - \* Subscription based + fixed nonthly or yearly pricing, Lummon in Suas models.