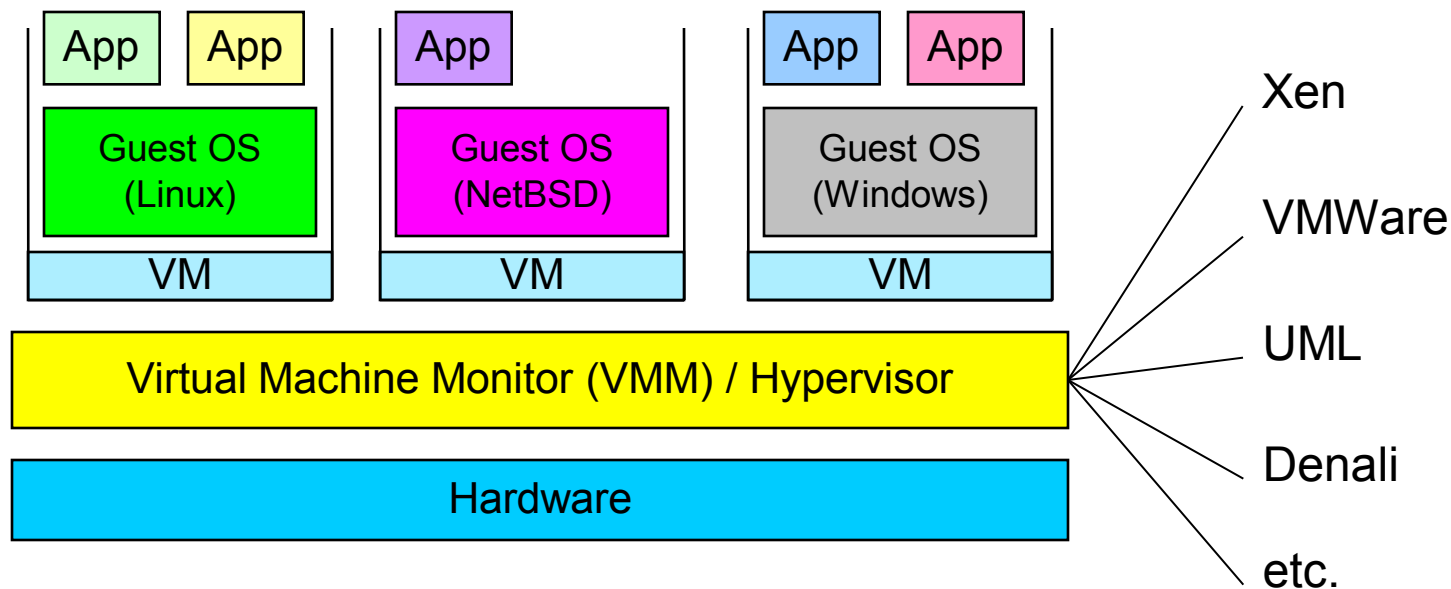


Introduction to Cloud Computing

Prepared by:
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(2016-2017)

Cloud Computing

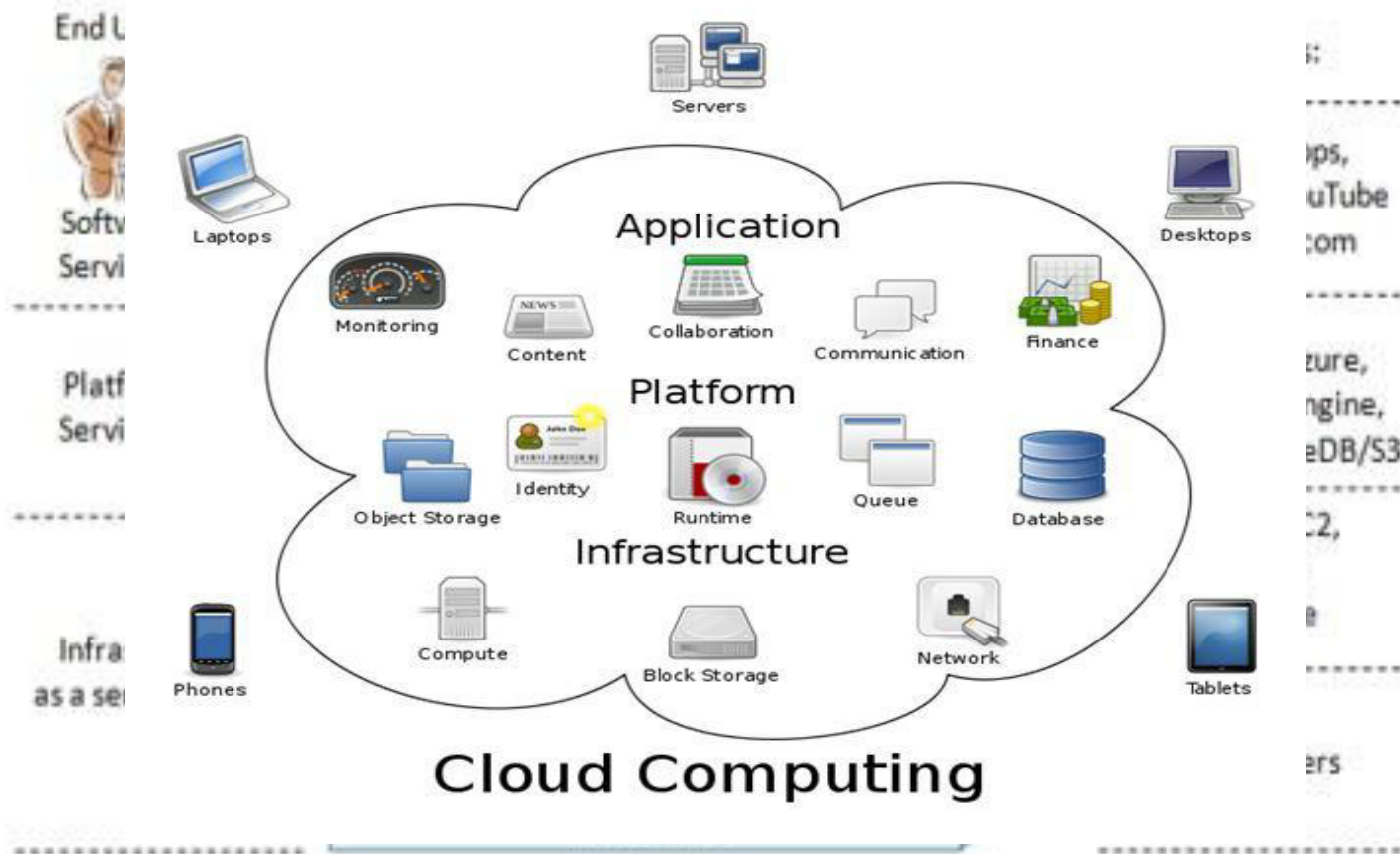
- ▶ Based on Virtualization technology.



Cloud Computing

- ▶ Based on Virtualization technology.
- ▶ Pool of virtualized Resources
 - VMs, Storage, CPU, Platforms.
- ▶ Provisioned by Service Provider
- ▶ **Features:**
 - Pay-per-use (Utility Computing)
 - Low cost
 - Scale in/out
 - Availability
 - on demand services
 - From anywhere, anytime and any place.
- ▶ **Challenges:**
 - No standard API (lock-in)
 - Privacy and security.

Cloud Computing Service Models



TYPES OF CLOUD

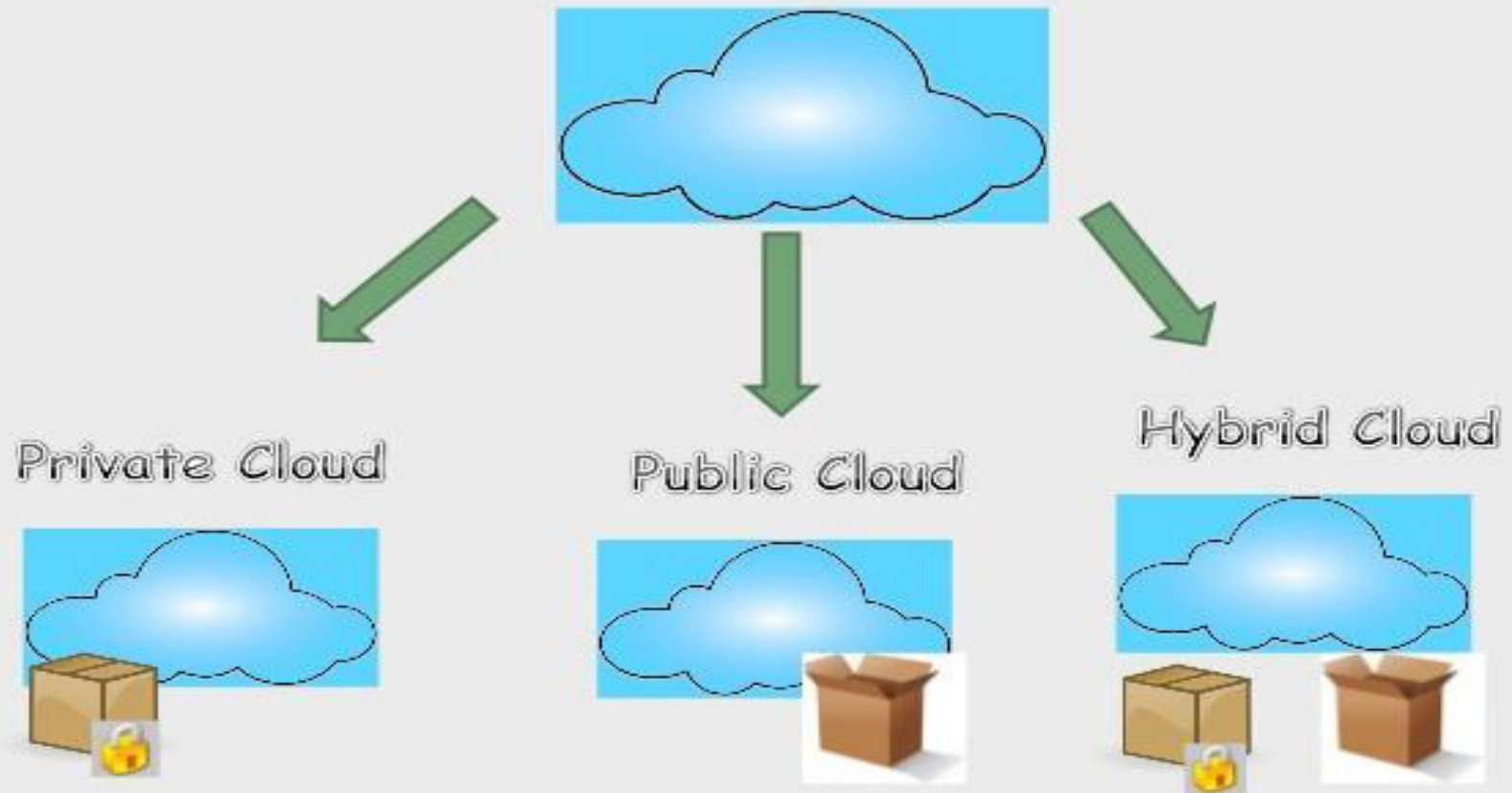


Fig3: classification of cloud [ref 2]