

# CSGE602055 Operating Systems CSF2600505 Sistem Operasi Minggu 10: Special Topic: Blockchain

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<http://rms46.vlsm.org/2/207.html>

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|-----------|----------------------|--|
| Minggu 00 | 29 Aug - 05 Sep 2017 | Intro & Review                                       |
| Minggu 01 | 07 Sep - 12 Sep 2017 | IPR, SED, AWK, REGEX, & Scripting                    |
| Minggu 02 | 14 Sep - 19 Sep 2017 | Protection, Security, Privacy,<br>& C-language       |
| Minggu 03 | 26 Sep - 30 Sep 2017 | BIOS, Loader, Systemd, & I/O                         |
| Minggu 04 | 03 Okt - 07 Okt 2017 | Addressing, Shared Lib, Pointer<br>& I/O Programming |
| Minggu 05 | 10 Okt - 14 Okt 2017 | Virtual Memory                                       |
| Ming. UTS | 15 Okt - 24 Okt 2017 |  |
| Minggu 06 | 26 Okt - 31 Okt 2017 | Concurrency: Processes & Threads                     |
| Minggu 07 | 02 Nov - 07 Nov 2017 | Synchronization                                      |
| Minggu 08 | 09 Nov - 14 Nov 2017 | Scheduling<br>& Network Sockets Programming          |
| Minggu 09 | 16 Nov - 21 Nov 2017 | File System & Persistent Storage                     |
| Minggu 10 | 23 Nov - 28 Nov 2017 | Special Topic: Blockchain                            |
| Cadangan  | 30 Nov - 09 Des 2017 |  |
| Ming. UAS | 10 Des - 23 Des 2017 |  |

# Agenda

- 1 Start
- 2 Agenda
- 3 Week 10
- 4 Virtualization
- 5 The End

# Week 10: Cloud System & Virtualization

- Reference: (UCB 24) (SUP WEEK10)
- Cloud System
  - Cloud Components: SaaS, PaaS, IaaS, Utility Computing, Web Services, Managed Service Providers, Service Commerce Platforms, Internet Integration.
  - Common Characteristics: Massive Scale, Resilient Computing, Homogeneity, Geographic Distribution, Virtualization, Service Orientation, Low Cost Software, Advanced Security.
  - Essential Characteristics: On Demand Self-Service, Broad Network Access, Rapid Elasticity, Resource Pooling, Measured Service
  - Amazon Web Services (AWS) / Elastic Compute Cloud (EC2) / Simple Storage Service (S3)
  - OpenStack Platform
  - Cloud Types: Private, Public and Hybrid

- Virtualization
  - Full Virtualization
  - Para Virtualization
  - Hypervisor
- Lab
  - Visit <http://os162.vlsm.org/>

# The End

- This is the end of the presentation.