Semester Conclusion

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This Semester

- ☐ DNS
- Web
- Email
- ☐ PKI
- Network

DNS

- Not all about yourself
- ☐ BIND
 - Child
 - Slave
- Domain Name
 - Registrar
 - Root
 - DNSSEC

Web

- ☐ HTTP
- ☐ HTTPS
 - SSL Certification Authority Issuer
- ☐ How to Secure
 - Avoid data leak

Email

- Service
 - Postfix
 - Dovecot
- □ Function
 - SPF
 - **➢ DNS**
 - DKIM
 - **>** DNS
 - DMARC
 - **>** DNS
 - SASL
 - > Authentication Based

Environment

- ☐ Hardware issue
- Network issue
- ☐ Environment issue
- ☐ Every issue makes you lose your point

How to make it stronger

Something you should be considered

- Environment Control
- □ DRP
 - Disaster Recovery Planning
- ☐ RBS
 - Remote Backup Site
- □ SLB
 - Serve Load-Balancing

Environment Control

- □ Temperature
- □ Humidity
- ☐ Fire Suppression Systems

Disaster Recovery Planning

- ☐ Frequently Backup
 - Daily, Monthly, etc.
- □ Backup Strategy
 - Fully Backup
 - Incremental Backup
 - Differential Backup
- ☐ Restore from Backup
 - Practice
 - Always fail on this
- ☐ Building Remote Backup Site

Remote Backup Site

- □ Distance
 - More than 50km
- Network
- ☐ Environment
 - Natural disaster
 - > Brewing water
 - Debris flow
 - Earthquake zone
 - Human Factors
 - > Power circuit
 - Power generator
 - Uninterruptible power supply (UPS)
 - > Air Conditioner

Serve Load-Balancing

- ☐ Traditional SLB
 - Hardware Failure
 - Software Failure
 - Load balancer features
- □ Advance SLB
 - Geo-location SLB
 - Global Content Delivery Network (CDN)

Load balancer features

- Asymmetric load
- Priority activation
- □ SSL Offload and Acceleration
- Distributed Denial of Service
- ☐ HTTP compression
- □ TCP offload
- □ TCP buffering
- ☐ Direct Server Return
- ☐ Health checking

- ☐ HTTP caching
- □ Content filtering
- ☐ HTTP security
- □ Priority queuing
- □ Content-aware switching
- □ Client authentication
- Programmatic traffic manipulation
- ☐ Firewall
- ☐ Intrusion prevention system

Human Errors

- □ 豬隊友 XD
- □ Training
- □ Alpha Stage
- ☐ Release Procedure

Any

