

# Overall Lessons Learnt (3)

- Other sources of outages
  - DOS-resistance
  - Internet outages
    - Under-sea cable cut, DNS failures, Government blocking Internet (mostly via DNS)
    - Solution: Alternate DNS services
- Many failures are unexpected
- But there are also planned outages (e.g., kernel upgrades)
  - Need to be planned well
  - Steps documented and followed
  - Fallback plans in place