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## **Issue #2: Network and Physical Security**



















- Keep several copies of same data (replicas)
- If one server is down, query next server
- Can improve response when load is heavy
- Problem: How to synchronize replicas?



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## Building mission-critical eCommerce sites: Summary of Technologies

- Content management
  - Content Management Software
- Security
  - Physical security: Hosting
  - Access control: Firewalls
- Availability
  - Server Replication
- Accuracy
  - Transaction Processing
- Scalability
  - Replication
  - Load Balancing
  - Web Caching

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