

Netstore 99

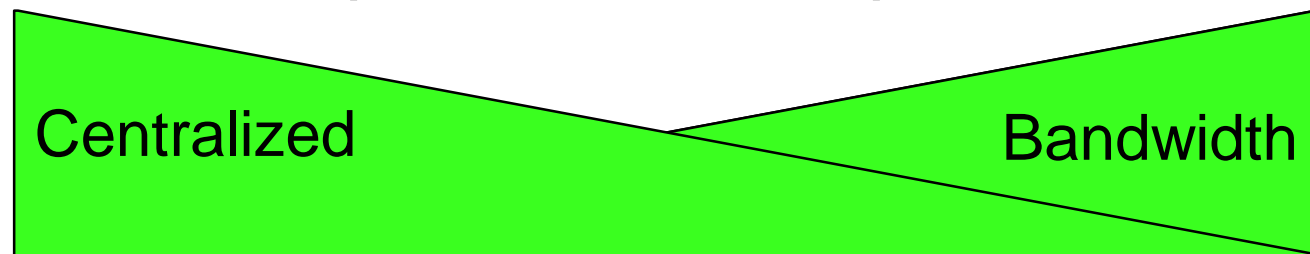
Storage in the Network



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Freedom of Distribution

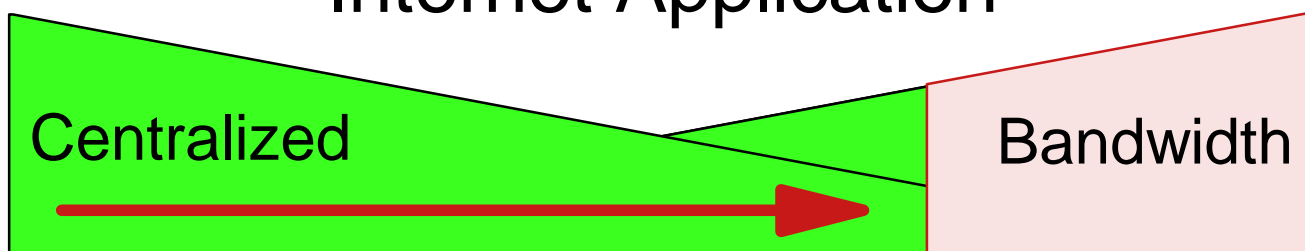
Implementation Space



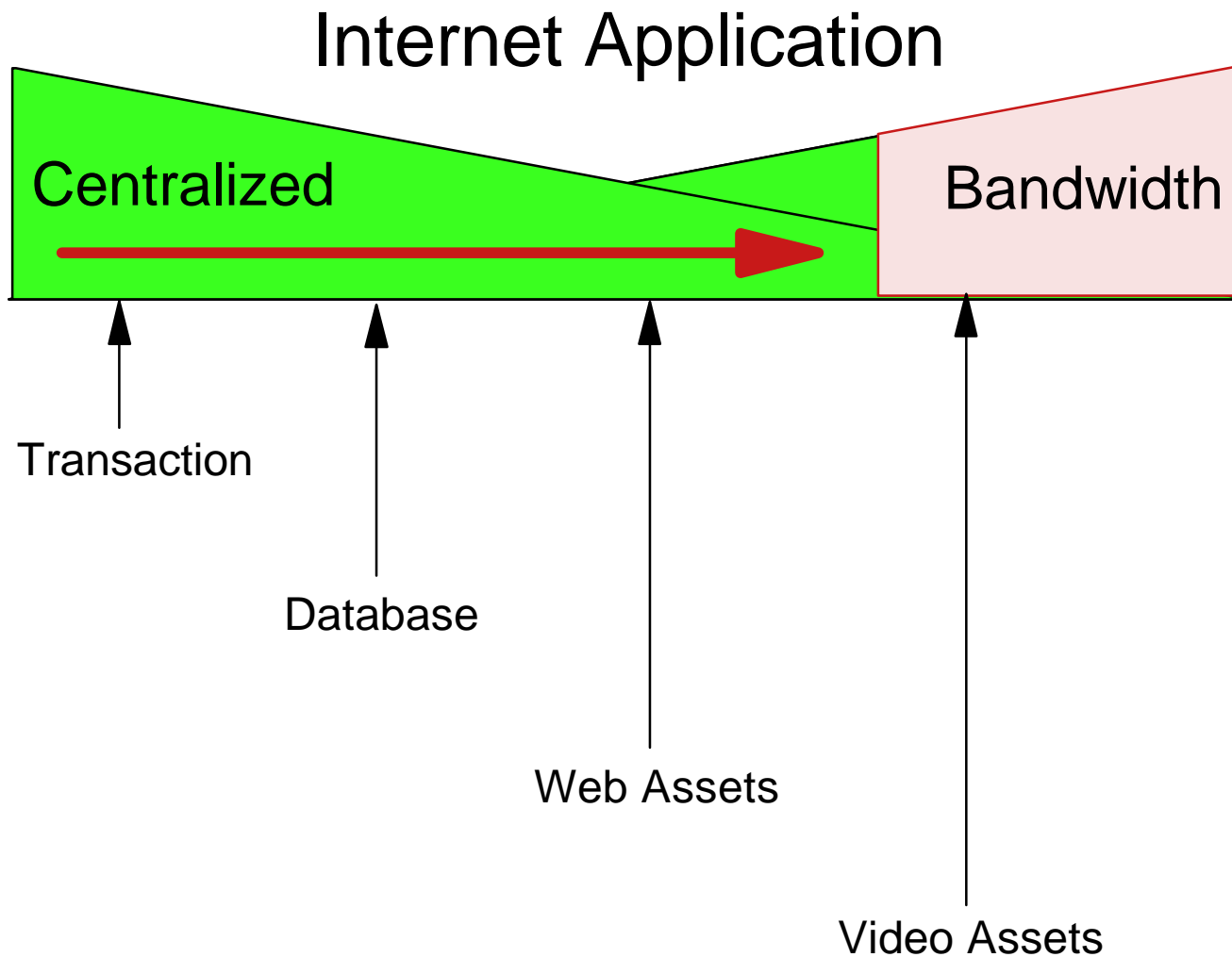
"Old Days" Application



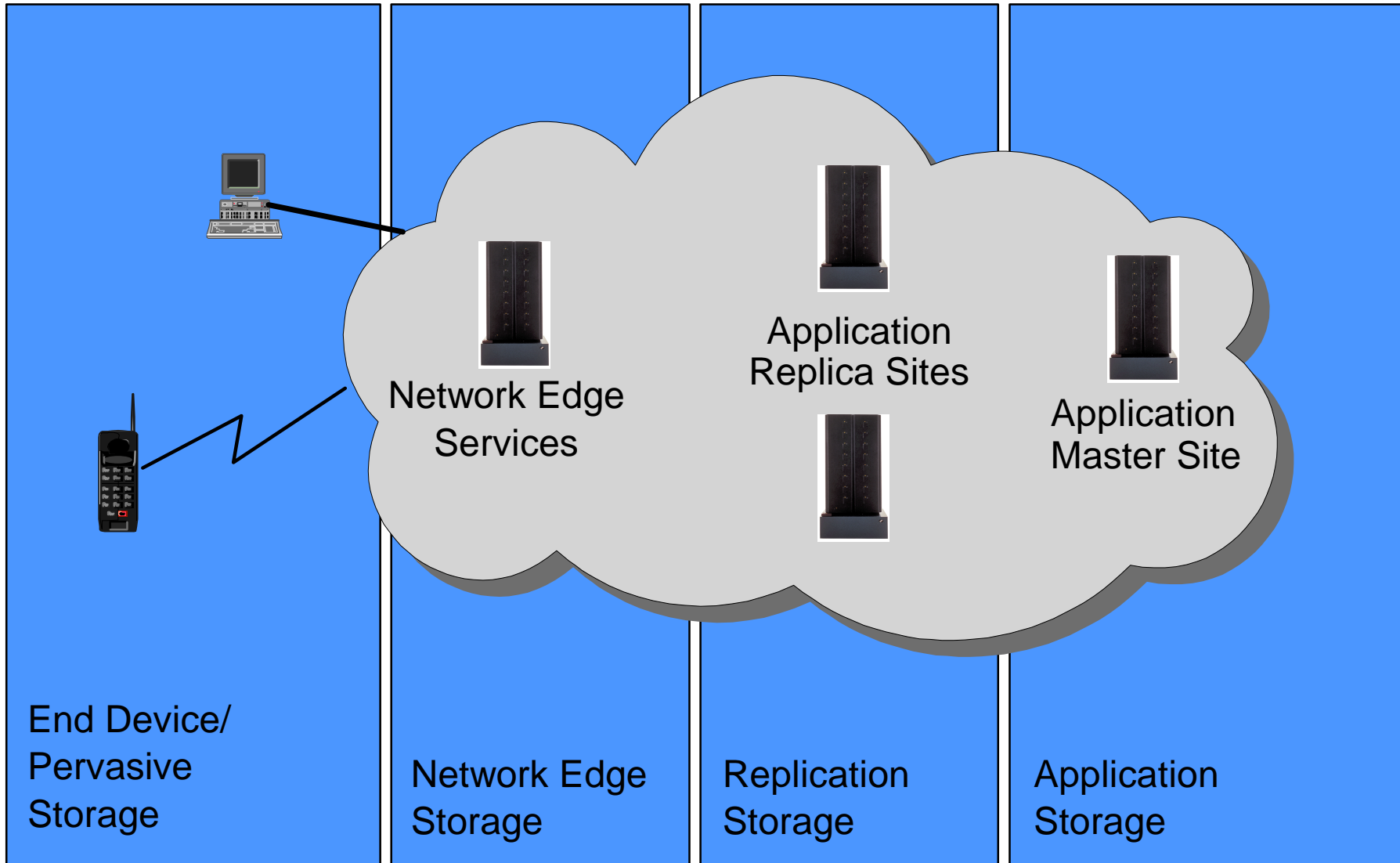
Internet Application



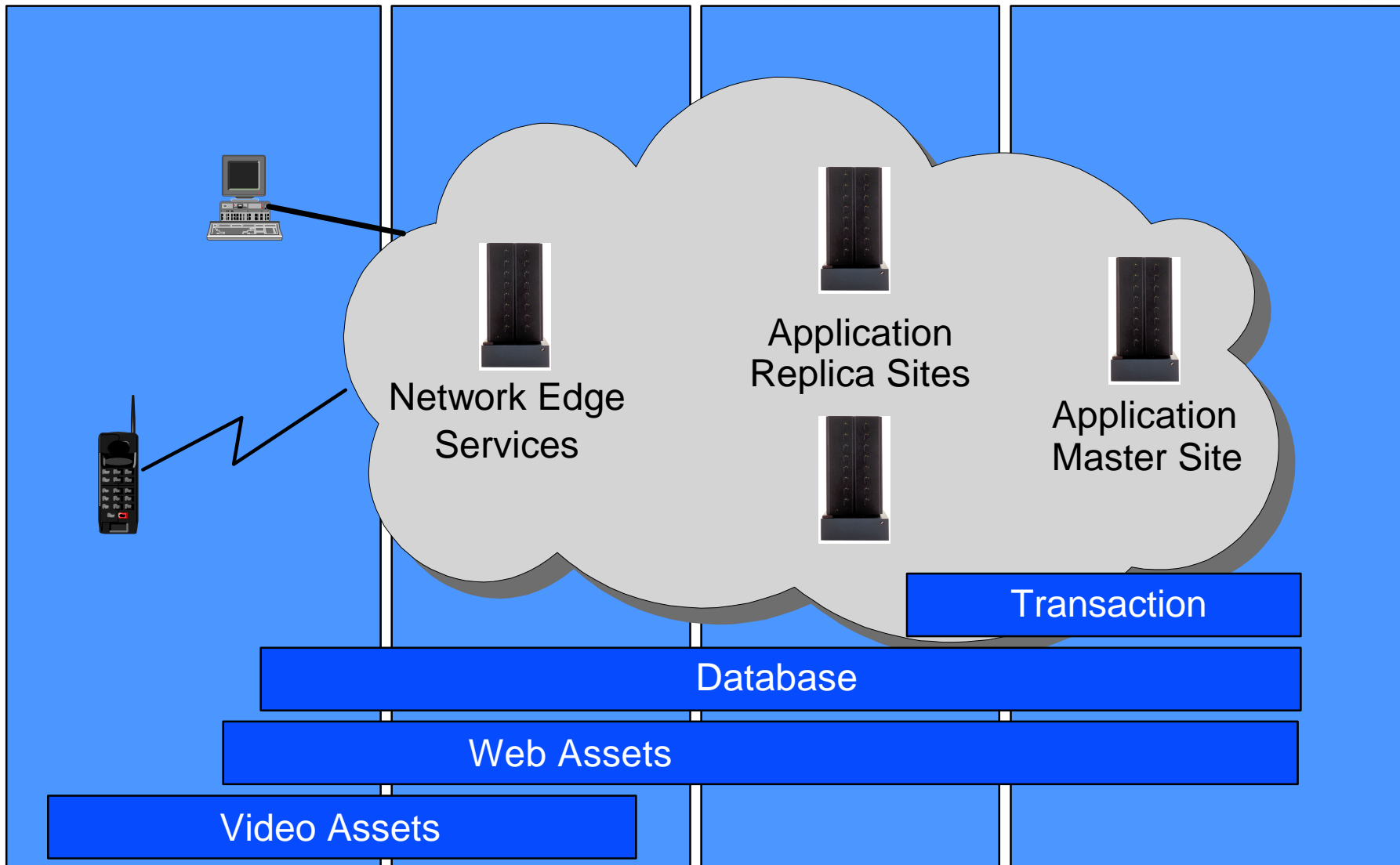
Distribution of Application Logic



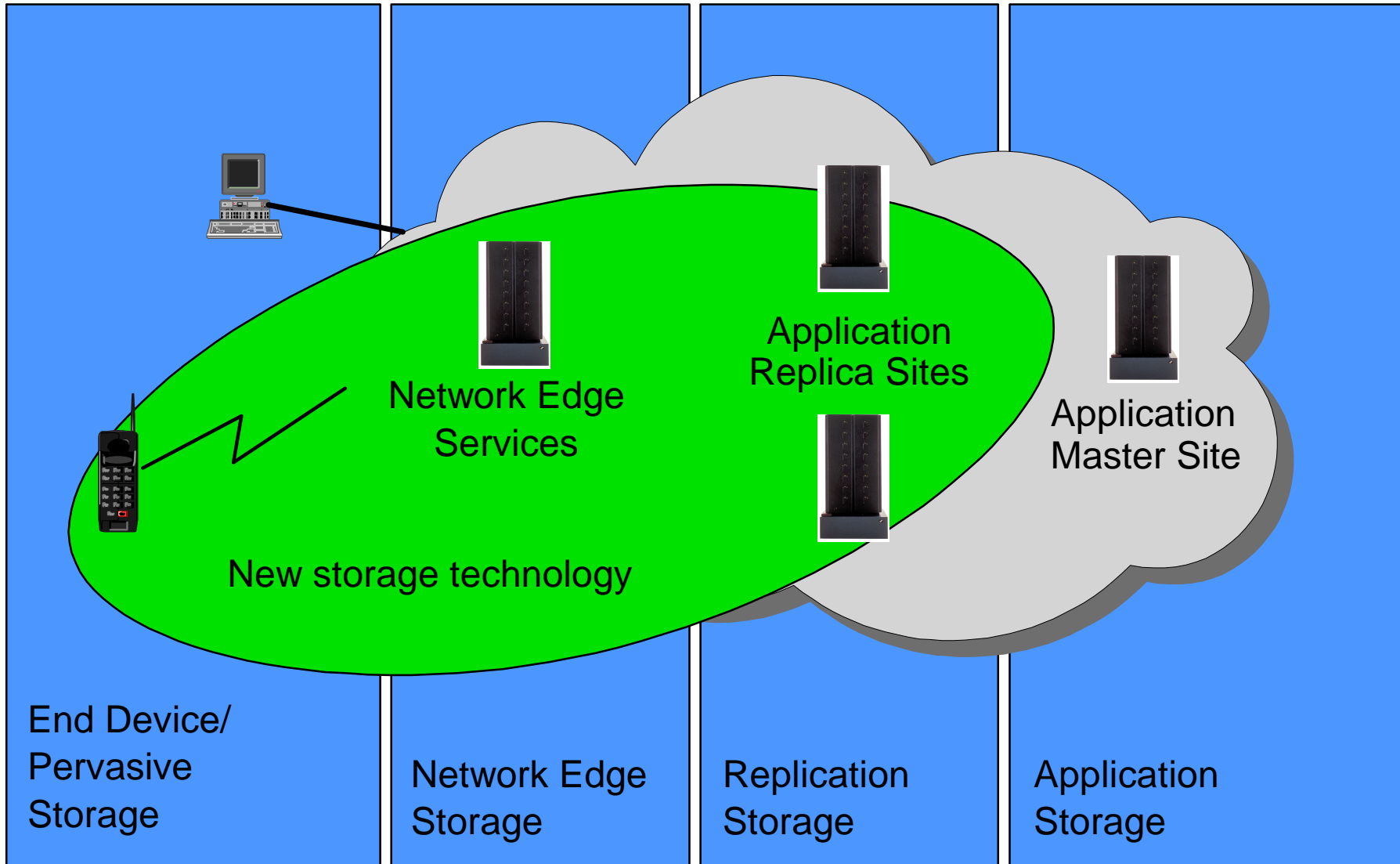
Storage in the Network



Application Logic Mapping



Storage Research Areas



Pervasive Storage

- Pervasive Devices
 - Professional devices
 - ▶ customized databases
 - ▶ applications
 - First generation consumer devices
 - ▶ mp3 player
 - ▶ digital VCR



Network Edge Services



- Resource Sharing for Pervasive Devices
 - Shared Storage
 - OS and Application images
 - Backup Storage
- Transcoding
- Large Media Object Distribution
 - better QoS
 - video streaming
- Localized Content Creation

Application Replica Sites



- Replicate full application
 - redundancy
 - response time
- Storage Technology
 - web servers
 - data bases
 - video servers
- Research focus in the I2-DSI project