S3: Simple Storage Service

* Secure,
* durable,
* highly-scaleable\
* object base
* o-5TB file size
* unlimit storage
* universal namespace
* s3-legion.amazonaws.com/bucketname
* http 20 upload successful
* sort alphabet by key
* option
  + s3
  + s3-IA
  + reduced redundancy sstorage
  + glacier: 3-5 hours to restore
* price
  + storage
  + request
  + management
  + transfer
  + transfer acceleration
* object
  + key
  + value
  + version
  + metadata
  + sub resource (ACL, torrent)
  + option for encrypt
* Encryption
  + Server side: SSE-S3, SSE-KMS, SSE-C
  + Client side
* Gateway
  + File gateway
  + Volume gateway: stored, cache
  + Virtual tape library
* Snowball
  + Snowball
  + Snowball edge
  + Snowball mobile