CCSP Fact Sheet

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Cloud Characteristics

→ Broad network access
↳ Consisten access by standard means

On demand Self service
↓
Allows customers to scale compute/storage

Resource Pooling
↓
Multitenancy (CSP)
↳ underutilised vs. Overtaxed

Rapid Elasticity

Metered service
↓
Allows customers to grow/shrink as needed

NIST 800-145
↓
cloud computing definition.

ISO 17788 ↗

Business Requirements
↓   ↓
Functional   Non functional
Necessary   Not necessary
↓
for the business ←

Operational Driver for decision making

Capturing Business Requirements → Input for Risk Mgmt.

Existing state → Quantify Benefits and Opportunity Cost ∼ Perceived Cost Savings
↓   ↑
Interviews, Surveys, data Collection etc. → BIA

1. Reduction in Capex
2. Reduction in Personnel Costs
3. Reduction in Opex
4. Transferring some regulatory costs
5. Cost savings on data archival/Backup

Cloud
↓   ↓
Service Models   Deployment model
  IaaS   Public
  PaaS   Private
  SaaS   Hybrid
                    Community

CC Roles and Responsibilities
CSP   cloud customer   cloud broker   CASB
         Regulators   ↓ IAM
                      Certificate   ↓ SSO
                      management
                                   Cryptographic key escrow

FIPS 140-2 → NIST document that describes the process of accrediting and cryptosystems for use by FED.
TCI Reference Model → Guide for Cloud Providers

Vendor Lock-in → Customer is unable to leave, migrate, or transfer to alternate provider.
Vendor Lock-out → Cloud provider goes out of business

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