Adopting Cloud in Your Enterprise

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Cloud Computing ... Technical Definitions

Cloud Computing is "a style of computing where highly elastic IT-enabled capabilities are delivered as a service to external customers using internet technologies" - Gartner

Cloud Computing ... Technical Definitions

Cloud Computing is "a form of standardized IT-based capability — such as Internet-based services, software, or IT infrastructure — offered by a service provider that is accessible via Internet protocols, is always available and scales automatically to adjust to demand, is either pay-per-use or advertising-based, has Web- or programmatic-based control interfaces, and enables full customer self-service"- Forrester

Cloud Computing ... Technical Definitions

* Cloud Computing is "a model for enabling convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction"- National Institute Of Standards and Technology (NIST)

Why should you adopt?

Cost Performance

Agility & Elasticity

Ubiquity & Utility

Roadblocks

Security

Compliance

Integration

Governance

Cloud Adoption Cycle

Explore and Experiment

Adopt and Integrate

Evolution and Governance

Decommissioning

3 Challenges for CIOs

- Visibility
 - ★ Where does your IT stand today?
- Value
 - What is the value of IT to Business?
- Technology
 - Moving from Applications to Services... Is IT mature enough?

Top Questions from CIOs

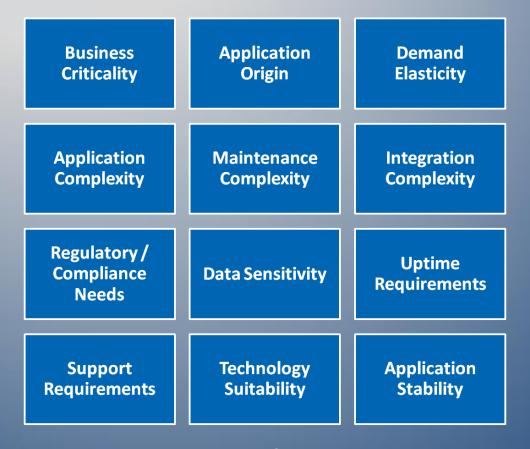
- Why should I explore Cloud? What's in it for me?
- Moving which applications to cloud gives most value?
- Which applications and environments are most easily migrated?
- What Cloud models are right in my organization?
 - What model (PaaS or laaS) is suitable for my organization?
 - Where should I host? Public/Private/Hybrid
 - Single / Multiple Cloud Provider or Aggregator
- How to move the applications to cloud?
- How to manage assets and vendors upon adopting cloud?
- What quantified value can I expect in each phase of adoption?

... Which Services/Apps/Components?

- Multiple Methodologies Exist

 - ★ CA's Quadrant Framework
 - ★ Forrester's Framework
 - ★ Freeform Dynamics' Framework

...Which Services/Apps/Components?



Assessment Dimensions of HCL's CRI Methodology.
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...Which Cloud?

- Cloud Affinity of technologies
- Cloud Affinity of application portfolios
- Cloud Affinity of activities
- Cloud Affinity of processes
- Maturity of Organization's Processes

Cloud Affinity is part of HCL's CRI Methodology. © HCL Technologies Ltd. All Rights Reserved.

Pilots

- Identify right candidates
 - Processes / Applications / Infrastructure
- Critical Mass
- Balancing Risk vs. Value

Pilots

High Risk

High Risk Low Value High Risk High Value

Low Value

Low Risk Low Value

Lew Risk High Value High Value

Low Risk

Governance

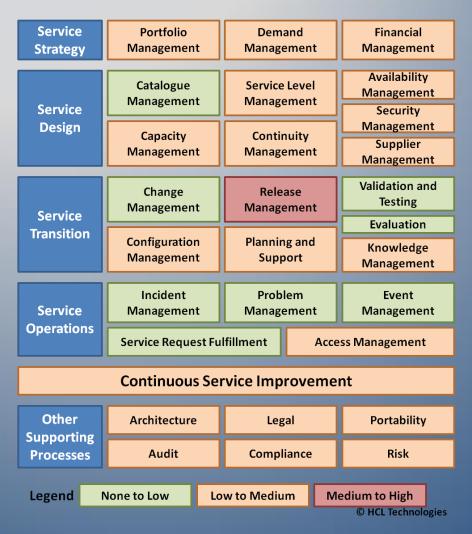
Conduct Current Governance Maturity Assessment

Indentify Gaps vis-à-vis Chosen Cloud Model

Prioritize Risk vs. Effort

Plan to achieve in line with adoption roadmap

Governance



Above picture is part of HCL's CRI Methodology. © HCL Technologies Ltd. All Rights Reserved.

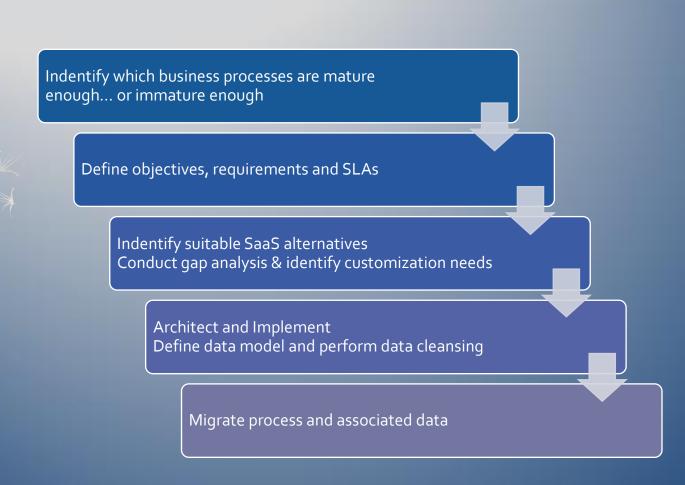
Organization Maturity

- Vendor / Supplier Maturity
- Enterprise Architecture Maturity
- Program Management Maturity
- Portfolio Complexity and Ownership
- In-house Skills
- * ...

Application Migration / SaaS Enablement

- Technical Evaluation
- Architecture Evaluation
 - ★ Anti-patterns
 - % Re-factor / re-architect
- Migrate vs. SaaS
- Data Model Changes
- Build / Buy / Migrate

Business Process Perspective



Application Perspective

Indentify which applications make good pilot candidates

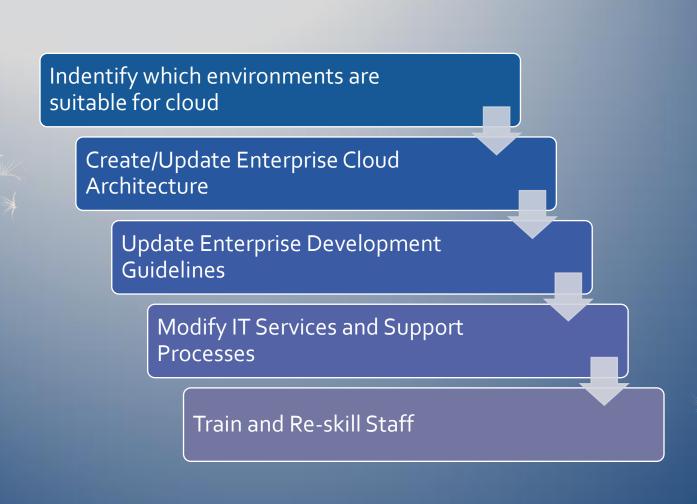
Conduct migration assessment for target cloud environment

Create/Update Enterprise Cloud Architecture

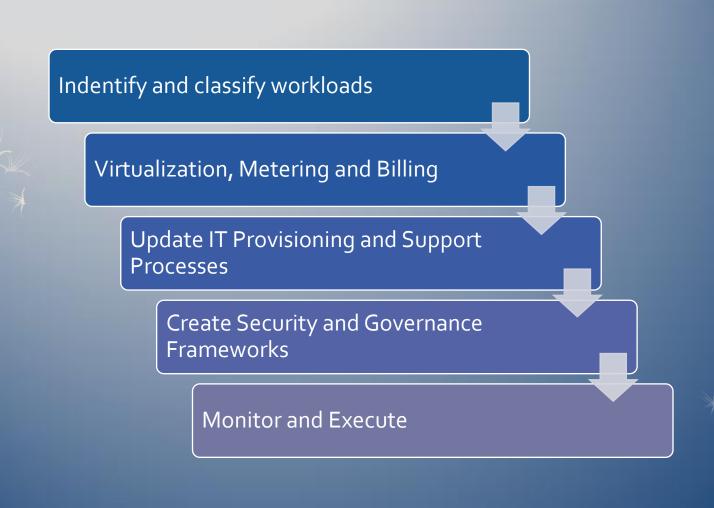
Re-platform / Modify Application code and data

Migrate application and associated data

Environment Perspective



Infrastructure Perspective

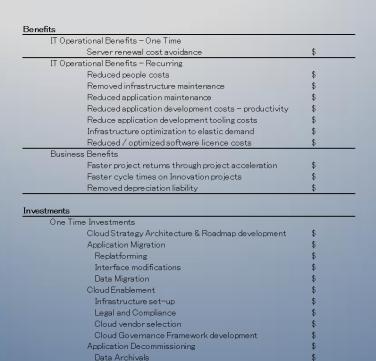


Financial Perspective

Asset write-offs

Training Documentation

Organizational Change Management
Communication management



Cloud Benefit Quantification

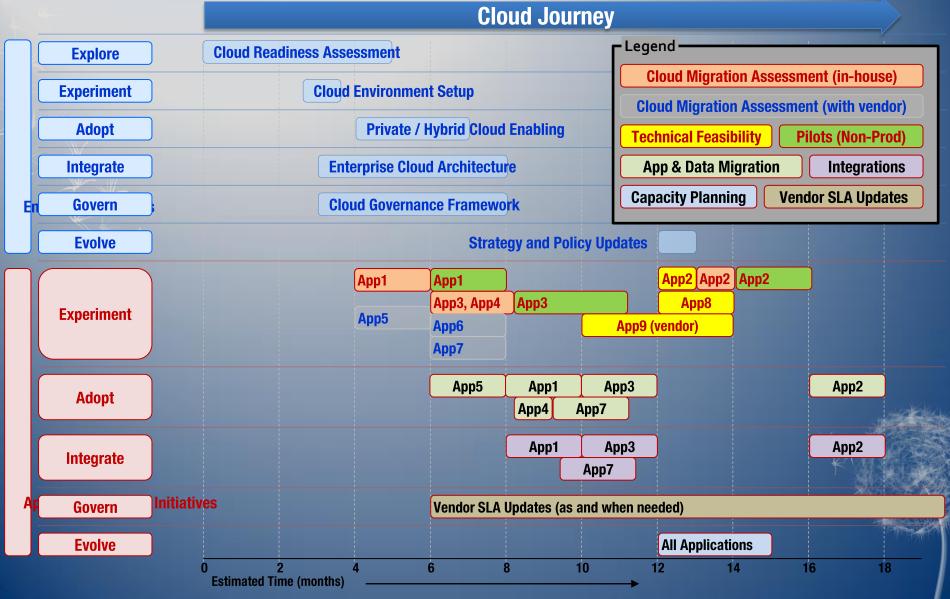
Cloud Investment Projections



Low Hanging Fruits

- Websites
- B2C Applications
- Test Environments
- New Developments
- Idea Incubators

Sample Cloud Roadmap



Thank You

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