

3 Cloud Migration Strategies you Should Consider

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Two Types of App Architecture

Legacy

- Monolithic
- Centralized
- Tightly coupled components
- Synchronous
- Single tenant architecture

***Relies on high-end hardware for performance and resiliency**

“Cloud Aware”

- Distributed microservices
- Asynchronous
- Multi-tenant architecture
- Decoupled components
- Eventually consistent

***Performance and resiliency is built into the software**



Lift and Shift

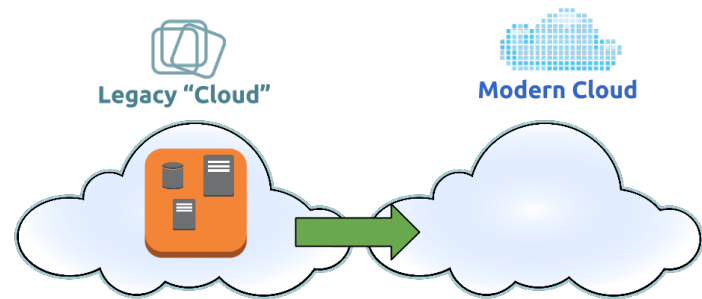
Moving an application to the public cloud without any significant changes in the architecture of the application itself.

Benefits

- Minimal development work (\$)

Drawbacks

- Performance concerns
- Reliability concerns
- Missing the benefits of elastic cloud resources
- Higher cost of management over time



Hybrid Partitioning

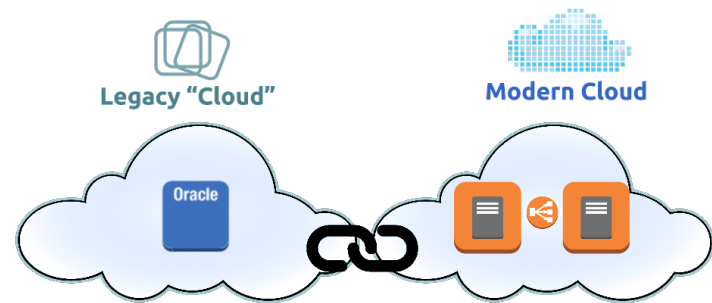
Components of an application are decoupled and span both public and private cloud resources.

Benefits

- Best of both worlds (public and private cloud)
- Components on the Public cloud resources can scale up and down on demand
- Less development work than than totally refactoring an app

Drawbacks

- More development and testing work than Lift and Shift (\$\$)
- Possible latency concerns
- Not a fit for every application



Refactor

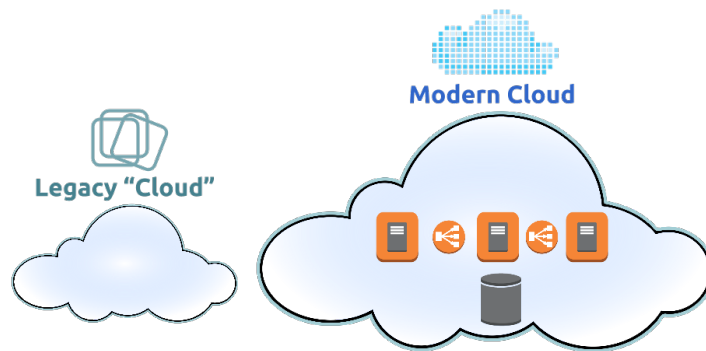
A complete rewrite of all or most of an application to take advantage of the features of public cloud like API driven infrastructure, elastic scaling and utility billing.

Benefits

- Scale resources on demand
- Costs scale with demand
- Increased application resiliency
- Increased performance

Drawbacks

- Requires the most development and testing work (\$\$\$)



WHITEPAPER

It is no secret that Canadian enterprises are scrambling to determine their cloud strategy. Many organizations have catalogs of legacy applications and racks of legacy hardware, and determining whether private cloud, public cloud or both (hybrid cloud,) is the right fit is not always an easy decision to make. This whitepaper was written to help Canadian enterprises identify some of the considerations to make when adopting public cloud in their cloud strategy.

This whitepaper outlines

- Best practices for faster time to value
- Keys to developer adoption
- Application considerations
- Handling internal politics
- Budgetary considerations
- Achieving executive buy-in

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