Insights for Today

Let's begin with definitions

Developing a Multi-Cloud Strategy

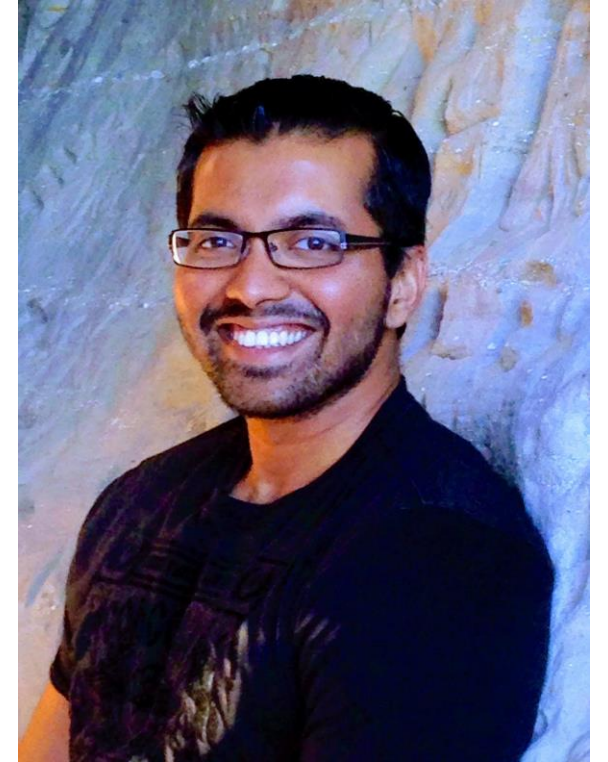Operating models for Multi-Cloud

Getting started with Multi-Cloud

Q & A

Speaker Intro

- Work for Intel leading Multi-Cloud journey and empowering transformations for our customers

- Over 15 years of technology experience as an IC and a Leader

- Author of multiple technology publications.

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Let's begin with Definitions

- Multi-Cloud – The use of multiple cloud providers to drive business outcomes.

- Hybrid-Cloud – The use of on-premise private cloud services with public cloud.

- Poly-Cloud – The use of multiple services across multiple cloud providers to host a specific application.

- Edge-Cloud – The use of edge locations to deploy applications.
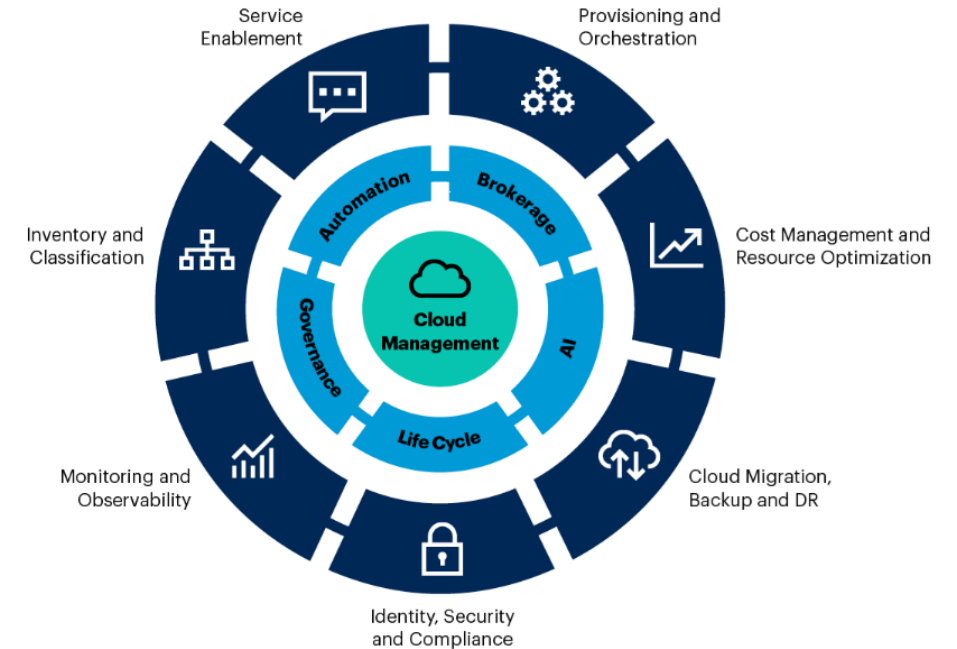
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Developing a Multi-Cloud Strategy

- The strategic drivers for multi-cloud – Redundancy, Workload placement, Performance, Cost, Business competitiveness

- Chart out the LRP (Long range planning) outcomes and prioritize for next gen needs – corporate technology strategy, AI/ML/Data analytics, blockchain, automation

- The evolving control, data, security, governance and regulatory framework

- Improving developer experiences – long term vision and strategy with a 1-3-5-year roadmap

- Multi-cloud strategy is not an end state, rather an evolving life cycle in technology transformation

Determining your Operating Model

- Operating model modernization with an automation first strategy

- Treating cloud as a product offering to internal customers. Managing it with a Cloud product management group.

- Establish a centralized framework – cloud consumption model, deployment model, security model and automation model.

- Driven by DevOps, powered by SRE – zero touch operations using an AiOps framework.

- Evolving operations staff from localized platform expertise to generalized developer expertise.

The Areas of Cloud Management

- Service Enablement
- Provisioning and Orchestration
- Inventory and Classification
- Cost Management and Resource Optimization
- Monitoring and Observability
- Cloud Migration, Backup and DR
- Identity, Security and Compliance

Inner ring: Automation, Brokerage, AI, Life Cycle, Governance — Cloud Management

Source: Gartner
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Optimization across platforms and applications

- Operations optimization – Evolve into standardization with automation across operations and security.

- Application optimization – Integrate usage of real time cloud optimization tools with increased end user visibility tied in with API call backs for real time optimization.

- Cost optimization – Establish a Finops strategy to provide pre- and post-deployment cost visibility to end applications owners.

- Workload mobility – Drive application development frameworks that prioritize workload mobility by selecting the right platform, framework and services.

Getting started with Multi-Cloud

1. Establish a high-level vision to align with business outcomes

2. Establish a strategy and focus areas to align with the vision

3. Identify a platform agnostic technology partner.

4. Accept and establish the role/function of an internal cloud services provider for your organization.

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Empowering Your Multi-Cloud Journey

Enterprise Vision & Strategy

Platform Design & Engineering

App & Operating Model Transformation

Optimization, Automation & Security

Cloud Optimization Software Portfolio

Profile

gProfiler Performance Profiler
Characterize Cloud & On Prem Linux workloads to surface Optimization opportunities

Intel vTune Platform Profiler
Characterize on-prem workloads to analyze and debug performance bottlenecks

Intel System Health Inspector
Baseline Intel based server health, configuration & micro-benchmarks

Assess & Optimize

Intel Migration Advisor
by CloudGenera
Inventory & Business Case

Intel Cloud Optimizer
by Densify
Performance, Cost, SLA

GRANULATE™
An Intel Company
Performance & Latency

Deploy

Intel Optimized Cloud Stacks
Optimized configurations delivered as Images on CSP Marketplaces

Intel Optimized Cloud Recipes
Optimized configurations delivered as Infrastructure as code

Intel is a trusted partner in leading the multi-cloud vision & growth strategy for the Fortune 500.

To get started email at – Ranjit.Singh@Intel.com

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