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Round Table

Cloud Adoption in the Post Pandemic World – Imperatives & Challenges

October 2022

AGENDA

01

Introduction

Topic, Speakers, Format (5 min)

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02

Keynote-1: Sunil Sarat

SVP – Global Client Solutions Leader (Cloud Unit), Microland

- The changing Cloud Environment
- Key Areas to Focus in the journey (10 min)

03

Keynote-2: Benil George

AVP – Client Solutions (Cloud Unit), Microland

- Good practices for Cost & Compliance
- Automation in Cloud adoption (15 min)

04

Experience Sharing

Roundtable Discussion, Q&A (25 min)

05

Vote of Thanks and Closing Remarks (5 min)



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SPEAKER & MODERATOR
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Introduction

- Topics
- Speakers
- Session Format

Keynote-1

- The changing Cloud environment
- Key areas to focus in the journey



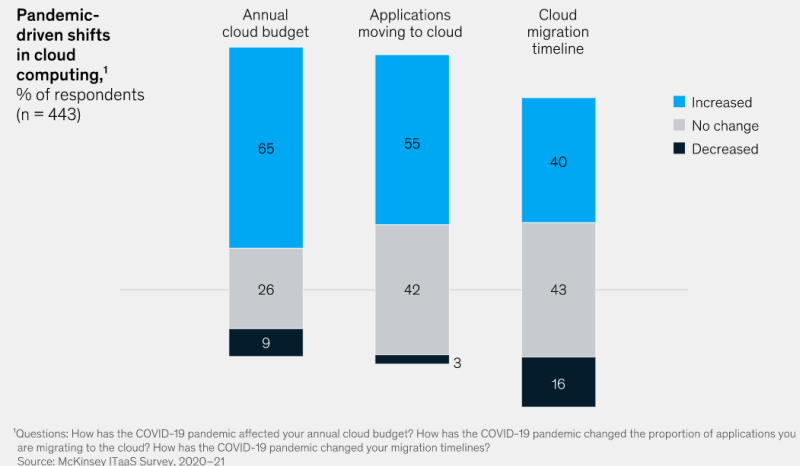
Sunil Sarat

SVP – Global Client Solutions Leader
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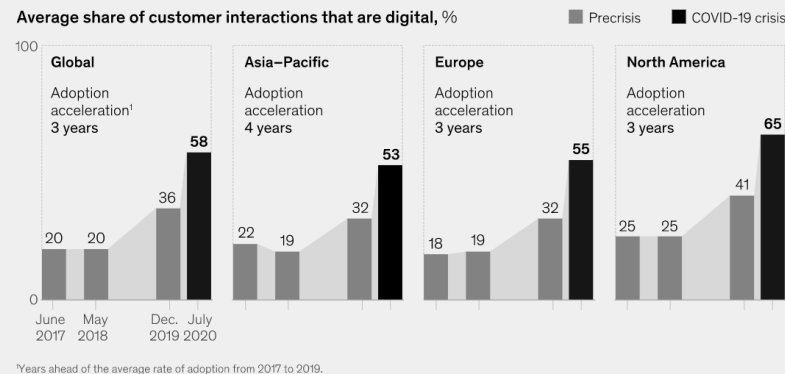
The changing Cloud environment – Market View

1. According to Gartner, The proportion of IT spending that is shifting to cloud will **accelerate** in the aftermath of the COVID-19 crisis, with **cloud projected to make up 14.2% of the total global enterprise IT spending market in 2024, up from 9.1% in 2020.**
2. **Cloud spending is expected to grow over the next several years.** Demand is especially high in **Canada, the Asia/Pacific region, and Central and Eastern Europe.** (Source: IDC)
3. **BFSI and Manufacturing** showed significant **increase in cloud adoption** post pandemic. (Source: market.us)
4. **Emerging technologies** like **Artificial Intelligence and Machine Learning** enable cloud growth by allowing companies to tap into **AI capabilities.** (Source: market.us)

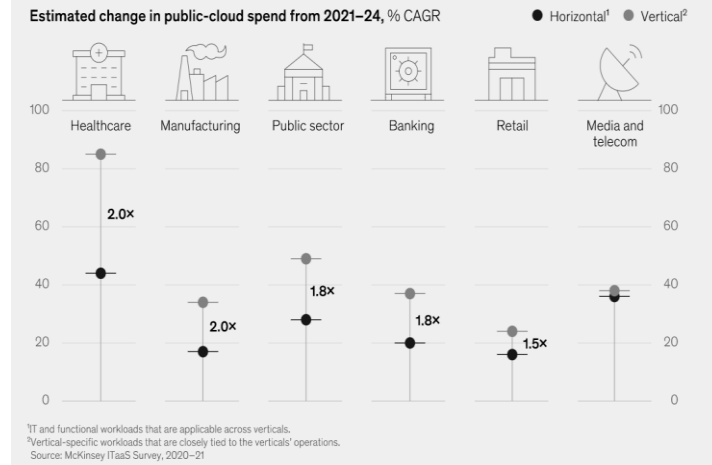
Companies aim to shift the majority of their IT-hosting spend to the cloud.



The COVID-19 crisis has accelerated the digitization of customer interactions by several years.



Cloud-based vertical applications are a major draw.



Key Challenges

- **Perceived Lack of Security and Data Protection**
- **Lack of talent to manage cloud services**
- **Data Location / Sovereignty**
- **Vendor Lock-in Fears**

The changing Cloud environment – Key Drivers



Business Reasons driving the change-Post Pandemic

- **Business resilience**
- **Evolution of business operations**
- **Remote working**
- **Healthcare investments**
- **Online education**
- **Accelerated investments from the public sector**
- **Renewed focus on environmental sustainability**



Cloud Adoption during possible Global Recession

- **Cash-flow restrictions** could urge businesses to **adopt more cloud services** rather than capex investments.
- In the **short term**, operational **Cost & Efficiency optimization** could take priority
- Assertions of **sovereignty over digital business** and **talent shortages** could indirectly slow down adoption for some time
- Overall, the **impact in the short term** (+ or -) **will not be significant** and long-term impact will be assessed in Q1, 2023

Experience with clients:

M&As, WFH, Digital push, BCP measures - accelerating Cloud Adoption

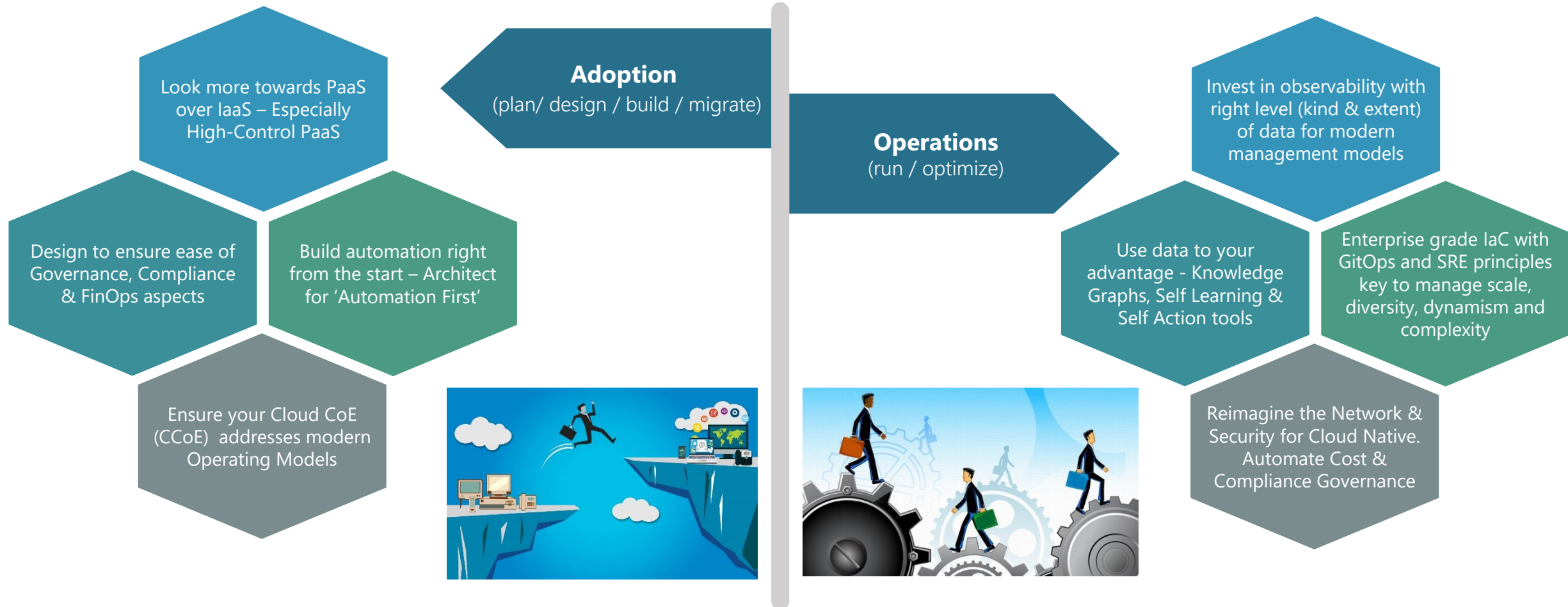
More Cloud Native - PaaS & Kubernetes adoption. K8S has become a Cloud by itself

Adoption of Cloud at the Edge is on the rise. 5G becoming a key driver

Expectation for more industry aligned Cloud-native solutions and Services

Adoption of Modern vs Traditional Management models

Key areas to focus for the modern Cloud journey



Cloud Native | Multi-Cloud | Automation First | Cost and Compliance | Modern Operations

Keynote-2

- **Good practices for Cost & Compliance**
- **Automation in Cloud Operations**

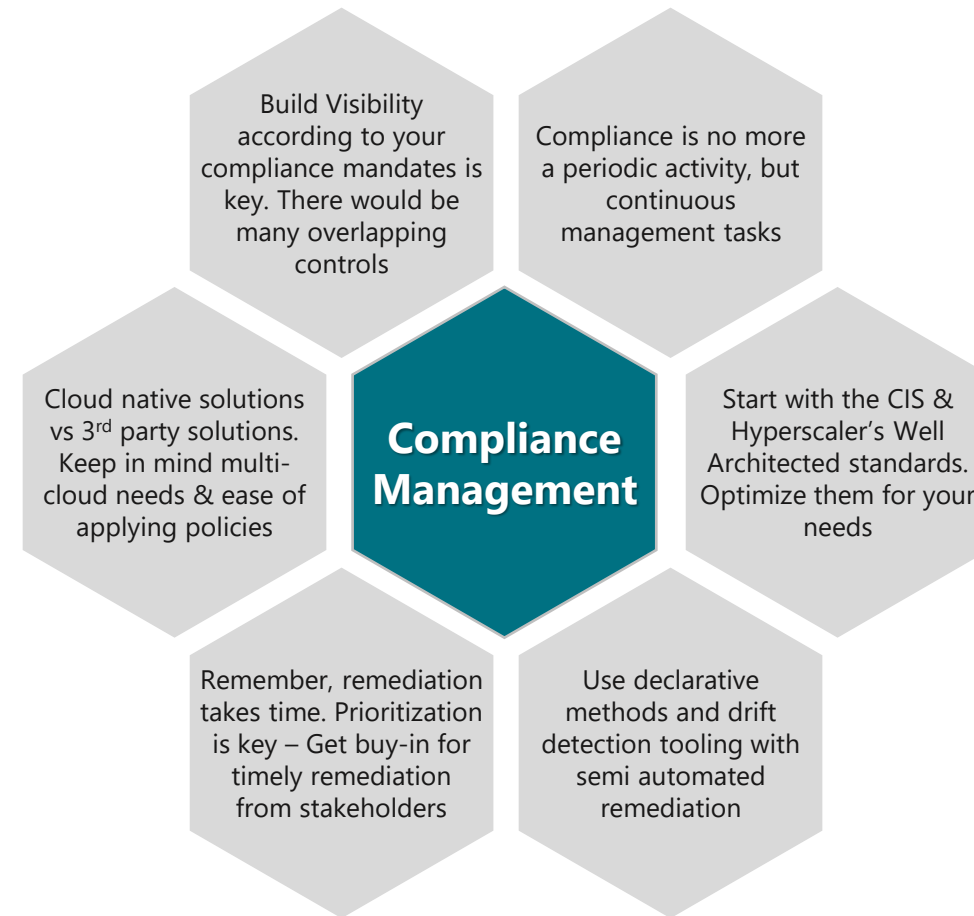
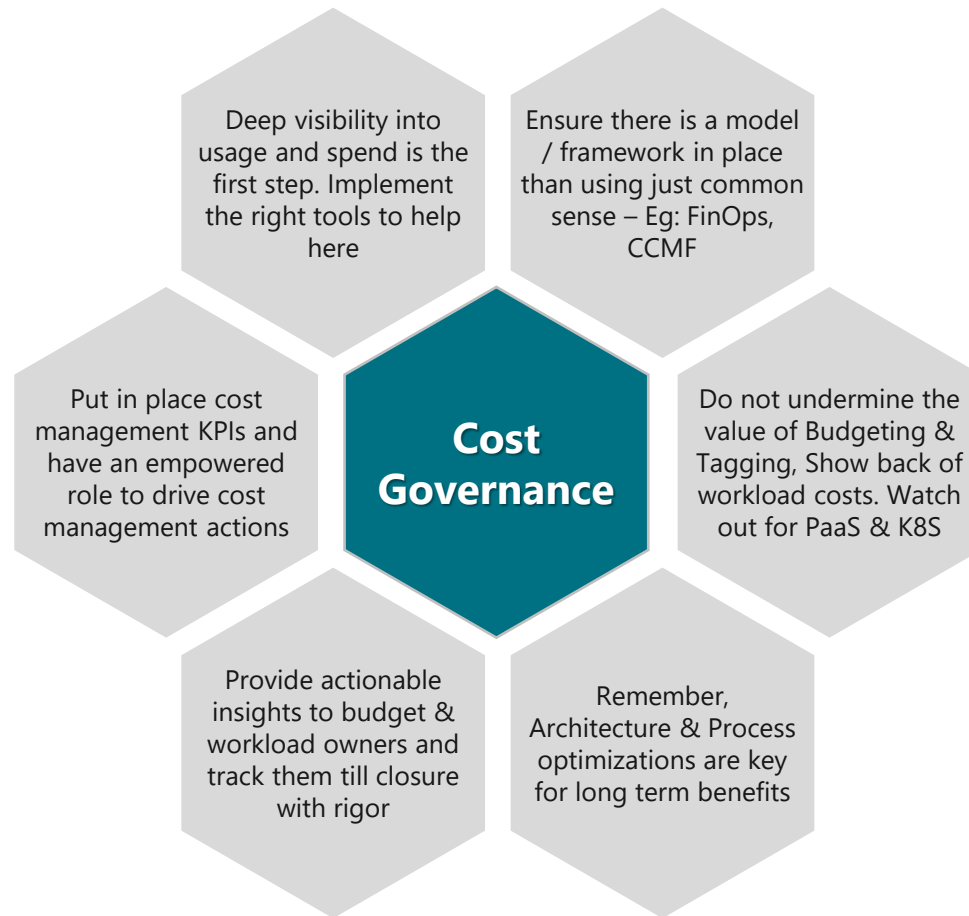


Benil George

AVP - Client Solutions

Cloud Unit

Good Practices – Cost and Compliance Management



Automation in Cloud operations – Good Practices



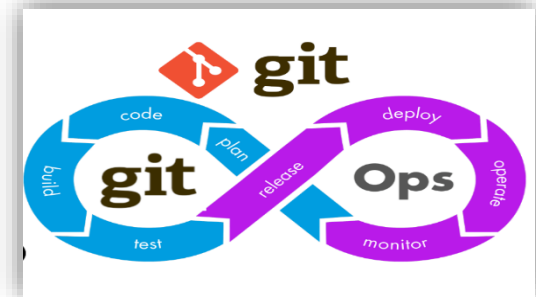
Value of moving to cloud is better realized when you have **automated operations** – Imagine Ferraris on our roads

Do not undermine the **effort needed to onboard, update and maintain the toolsets** – it can be daunting



Have **developers in the ops team - Re-skilling administrators is key**, but their brains are not wired like developer's

Adopt a **declarative model** of management with GitOps principles – **no changes done outside the tools**



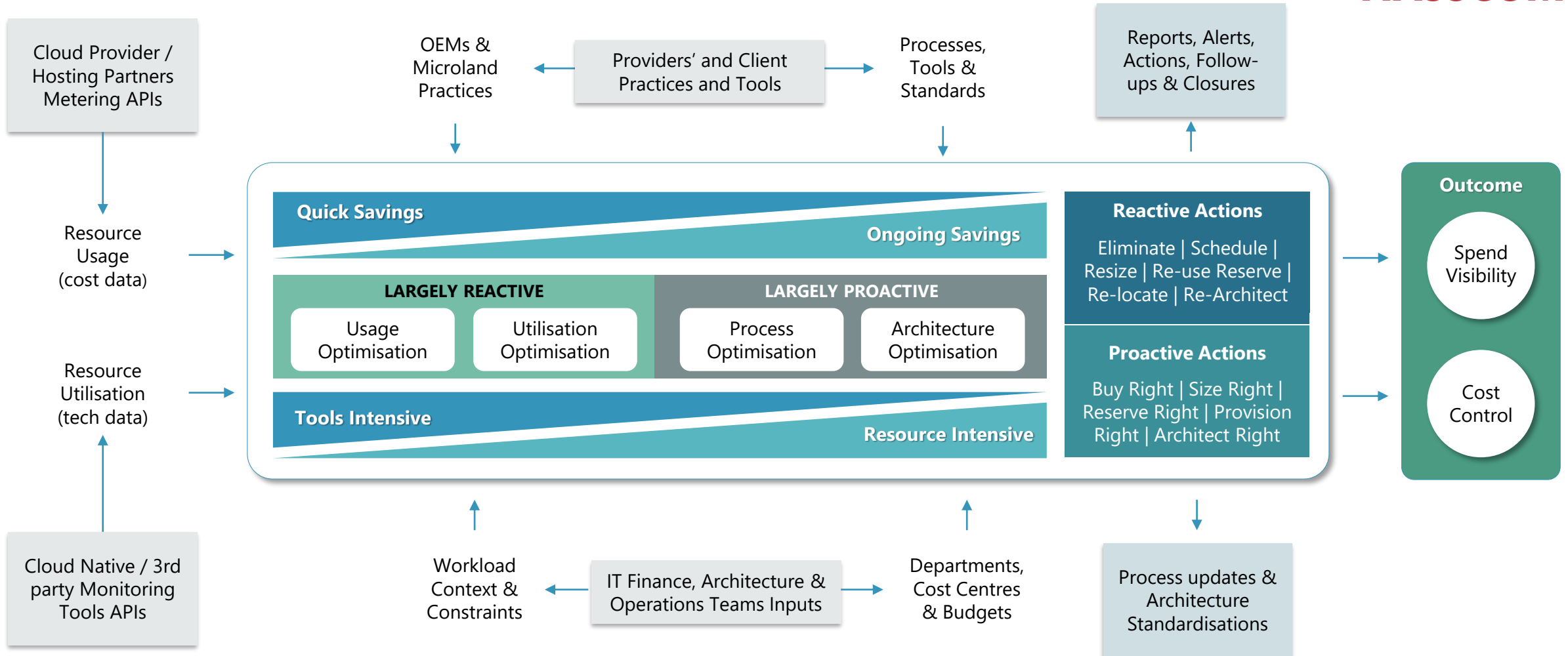
Good Practices

Automation in Cloud operations – Pitfalls to Avoid



- ❖ **Trying to find the best tool that fits all your needs –**
There is no such tool
- ❖ **Measuring benefits of automation in terms of**
‘people reduction’ – *Look at it holistically*
- ❖ **Trying to just automate manual processes –**
that’s Ops Automation not Automated Ops –
Know the difference
- ❖ **SRE is great, but see what aspects you**
could take from it – *It may not be the best*
for all needs

CloudEconomics with Cloud Cost Management Framework (CCMF)



SmartGovern – Framework for Governance and Compliance



SmartCloudOps – Microland’s Cloud Operations Philosophy

Traditional - Manual Ops

50% Service Requests
30% Incident Resolutions
20% Scheduled Activities



Automation is an augmented capability helping manual activities



Modern - Minimal Ops

10% Service Requests
20% Incident Resolutions
0% Scheduled Activities
70% Automation



Automation is an intrinsic capability, Automation driven operations

Use Modern Methods for Modern Cloud Operations

Data Driven Management Using Code

- Promote Self-Service
- Arrest Cost Leaks
- Reduce Non-Compliance
- Contain Resource Sprawl
- Maximize Automation
- Enable Faster Releases

Experience Sharing Round Table Discussion



MODERATOR
AVP - Client Solutions
Cloud Unit



THANK YOU

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Panel Discussion – Initiators

Adoption & Imperatives:

1. What has changed in your cloud adoption strategies? Does industry data reflect your situation?
2. Cloud Native adoption patterns – What are the challenges that you see and how are you addressing them?
3. Should cloud migration assessments change/ be optimized? Eg: Industry alignment or Edge adoption
4. All talk about app & data modernization. How critical is the role of network & security modernization?

Challenges & Solutions:

1. Have you adopted any specific framework for cloud cost management? What has been your experience?
2. What are the top 3 challenges you see when it comes to adoption post pandemic? How are you addressing it?
3. How are you automating cost & compliance management? What do you see as lacking in the tools available?
4. IaC, GitOps and SRE – what is our level of adoption? What are the challenges here and how have you addressed it?