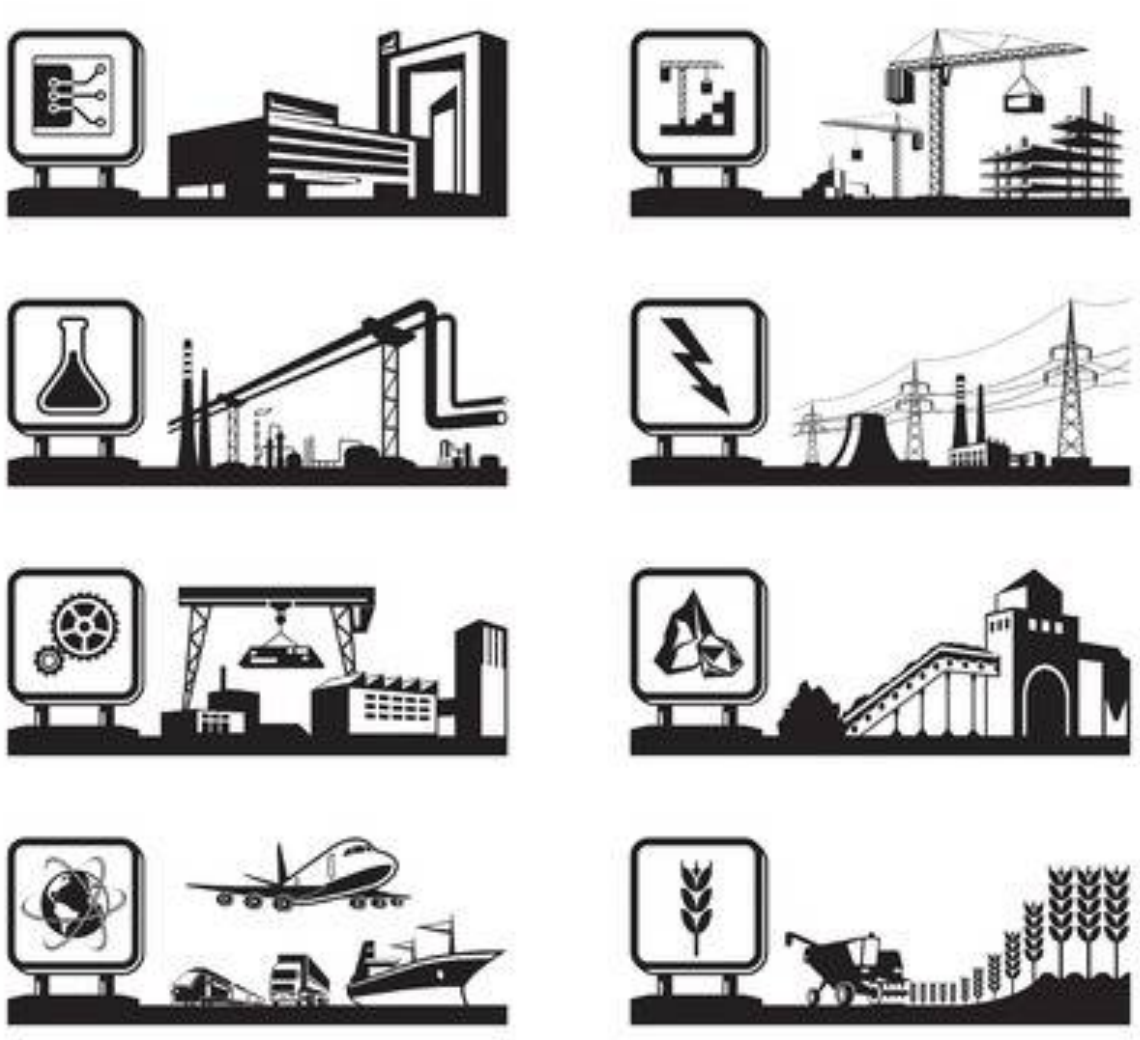
Understanding and Working with Multi-Cloud Environments



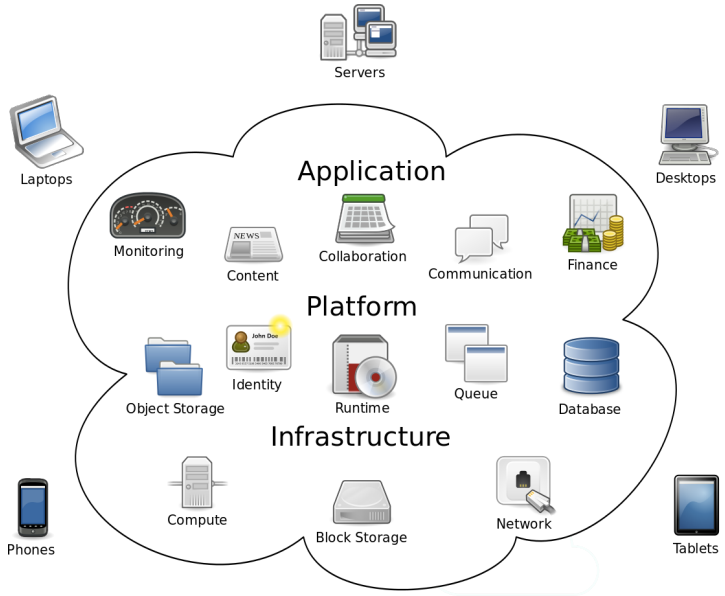
Every Industry needs Software for efficiency in their workflow

Operational Complexities

- Simplify
- Standardise
- Scale
- Speed
- Save

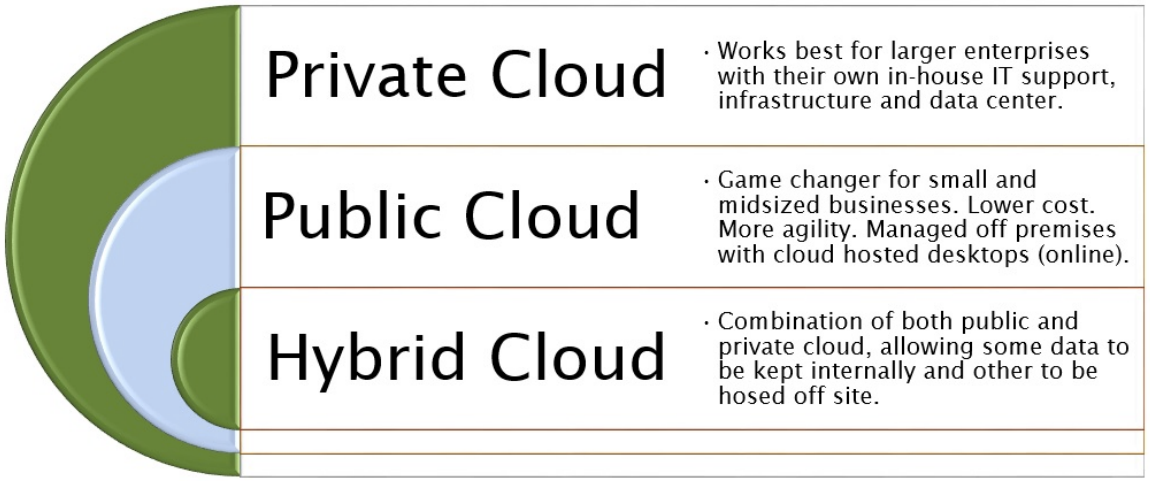
Cloud Computing

Cloud computing is an information technology (IT) paradigm that enables ubiquitous access to shared pools of configurable system resources and higher-level services that can be rapidly provisioned with minimal management effort, often over the Internet.

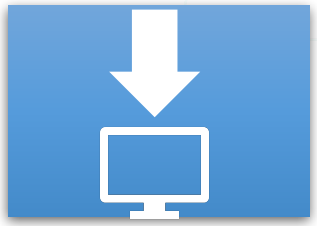


Cloud computing

Deployment Models



Cloud Computing – Service Models



SaaS

Software as a Service

- Email
- CRM
- Collaborative
- ERP

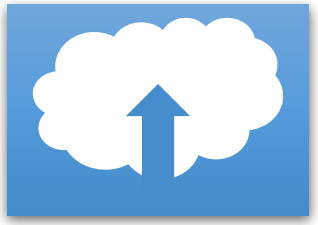
Consume

PaaS

Platform as a Service

- Application development
- Decision Support
- Web
- Streaming

Build on it



IaaS

Infrastructure as a Service

- Caching
- Legacy
- Networking
- Security

Migrate to it

The Amazon S3 Service Disruption in the Northern Virginia (US-EAST-1) Region

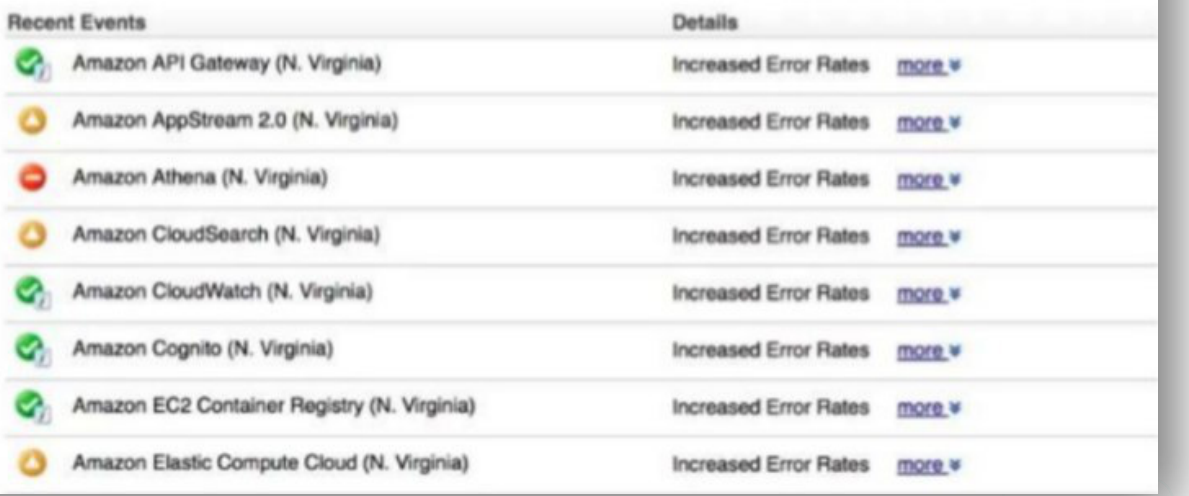
Public Cloud Outage

Example: Amazon S3, Feb 2017

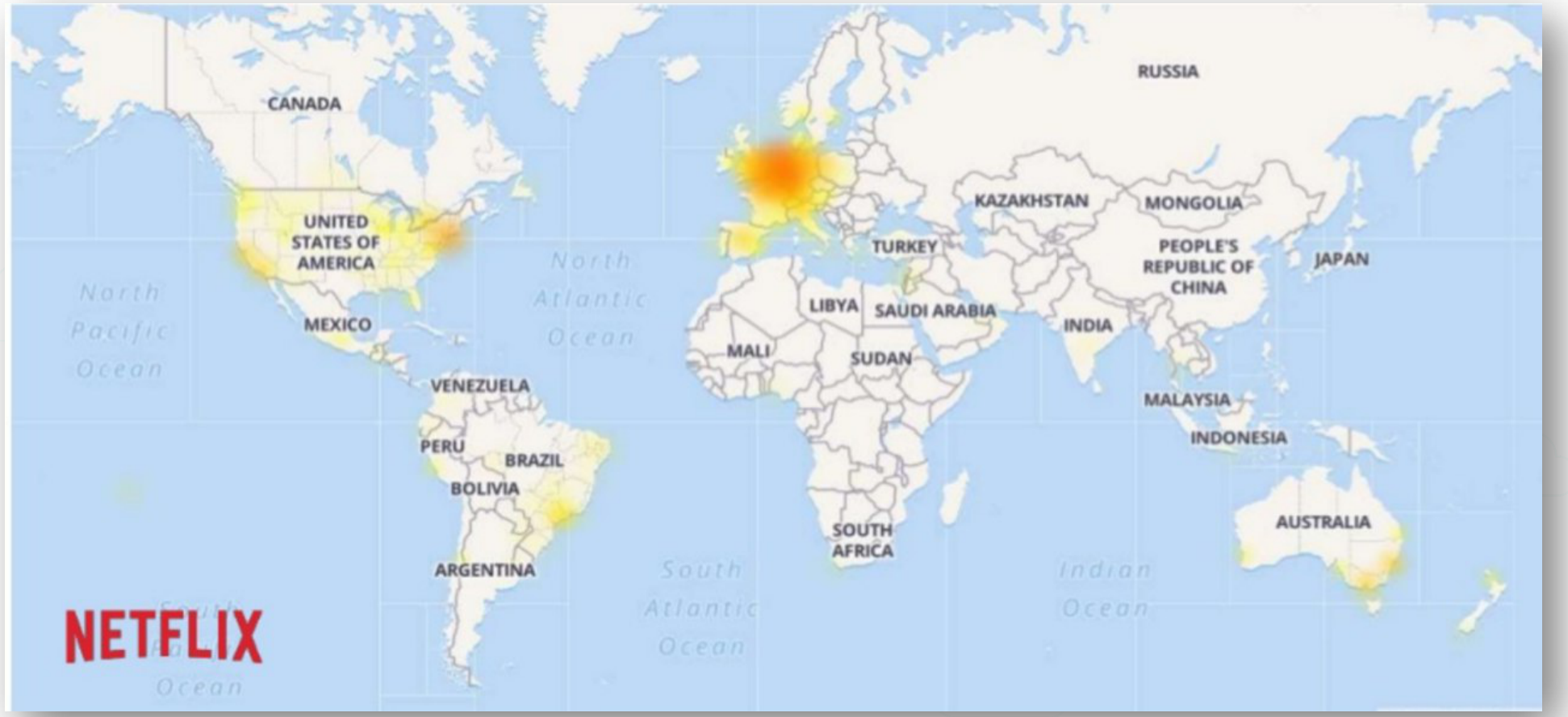
- ~150K websites affected
- ~121K domains
- Quora, Expedia, Trello and several others
- Impacted AWS status indicators
- “Outage caused by Human Error”

No cloud is Immune. Other public and private clouds have similar issues from time to time

After that, the status page of S3 showed this image:



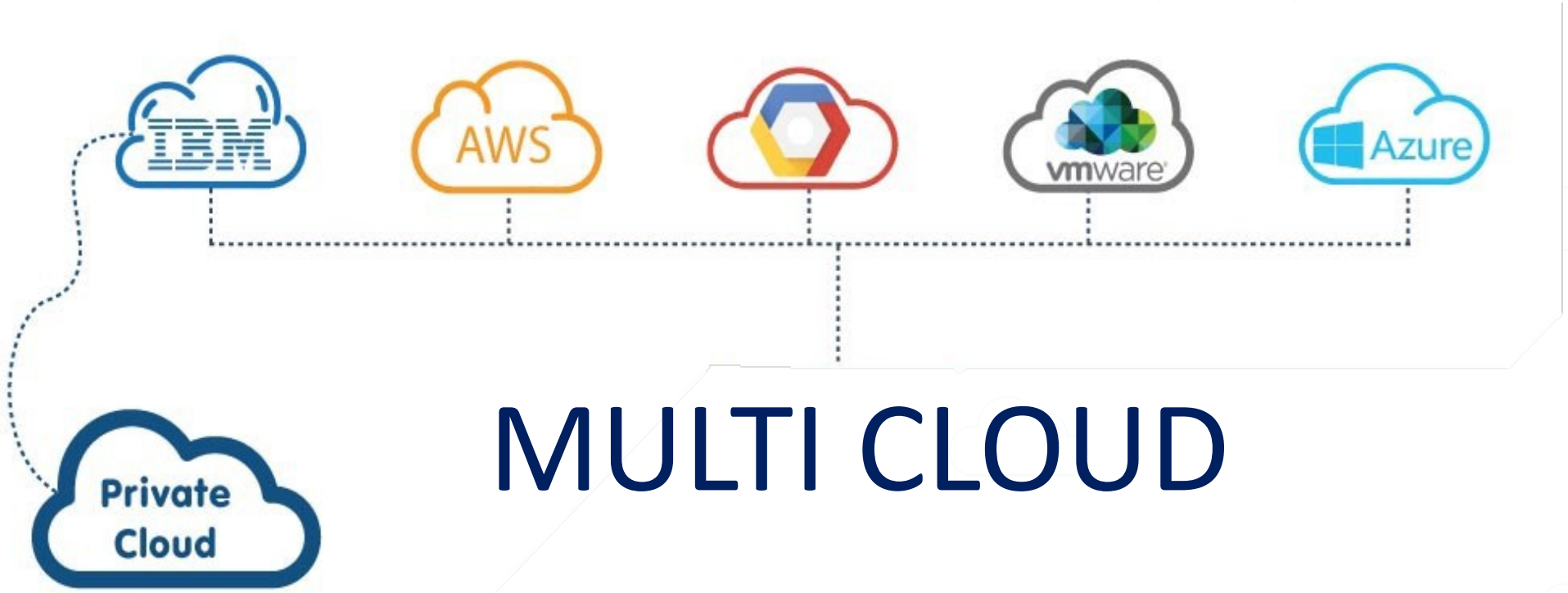
A Bad Christmas for Netflix



- Affected areas due to downtime

Multi-Clouds

Multi-cloud is a deployment model that involves using multiple cloud services from multiple public cloud hosting providers, often in combination with on-premises physical, virtual, and private cloud infrastructure.



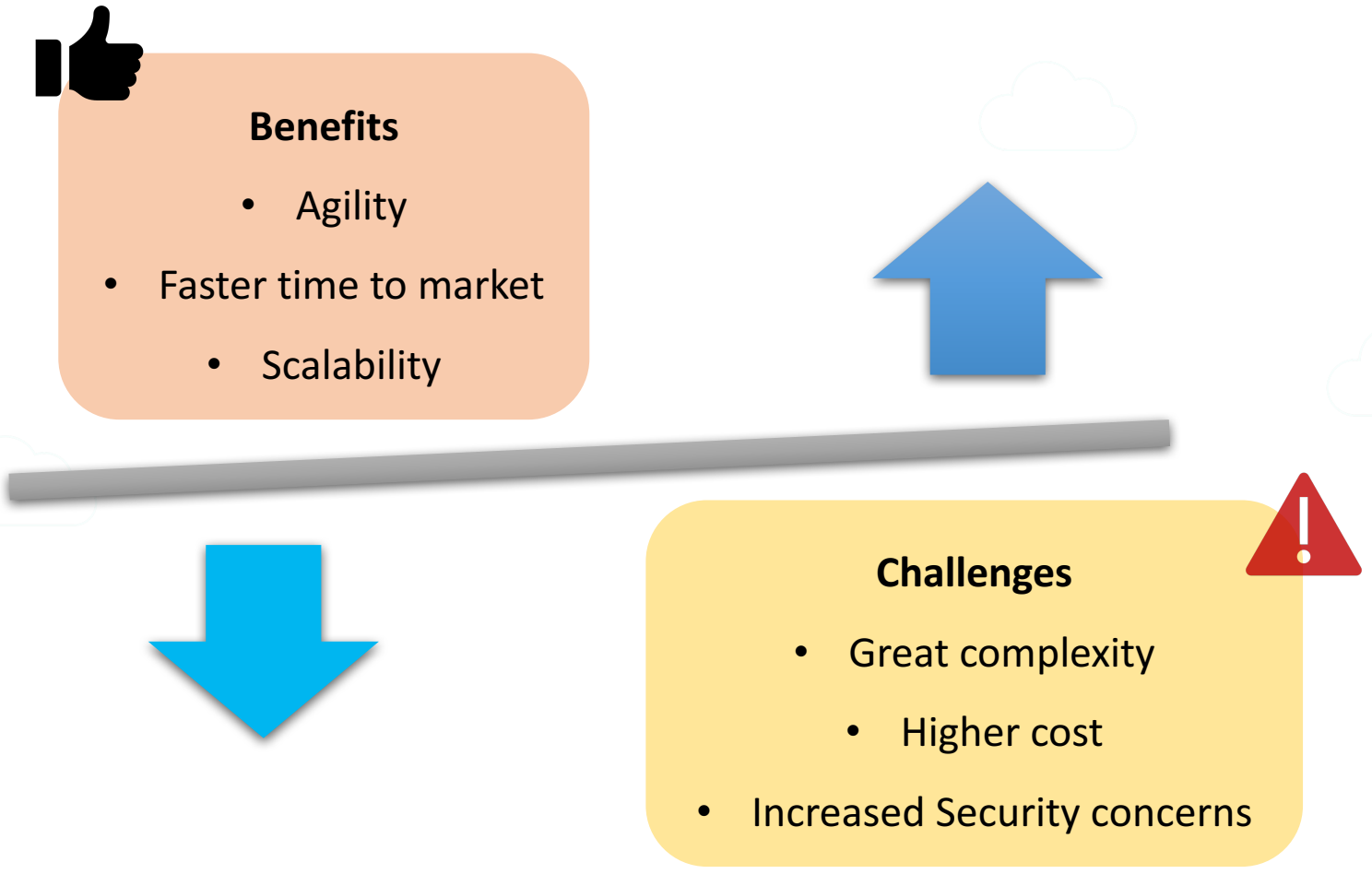
Future aspects of Multi-Clouds

Which is your favorite cloud deployment model today and in the future (2020)?

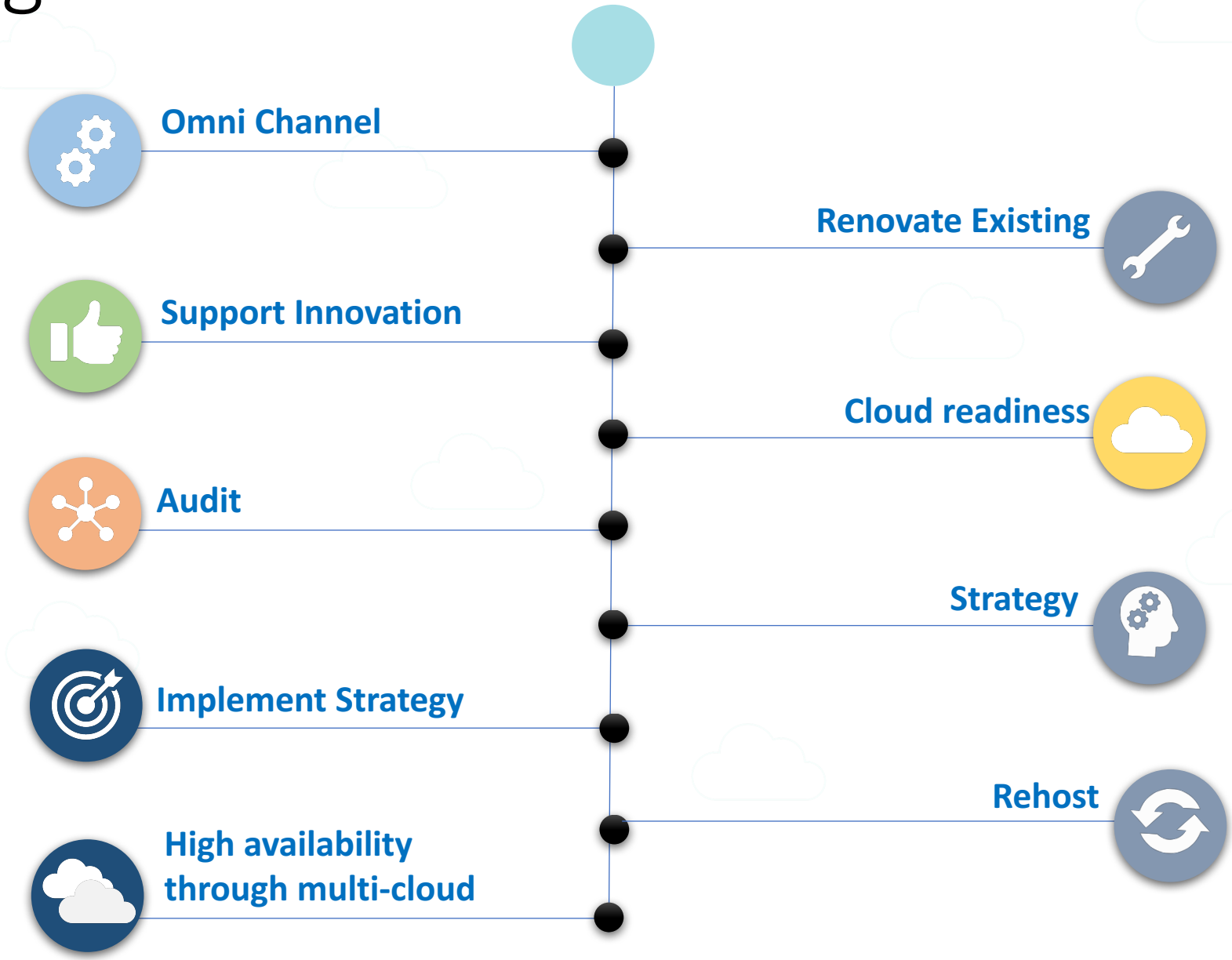
	Today	In the future
Pure Public Cloud	40.3 %	19.0 %
Hybrid Cloud Proprietary IT infrastructure combined with a public cloud service	43.9 %	47.4 %
Multi Cloud Managing of different cloud environments incl. at least one public cloud	9.1 %	30.4 %
Private Cloud Pure private cloud based in a proprietary data center	6.7 %	3.2 %

Why Multi-Clouds?

Multi cloud environment helps in managing for intelligent operations from application to infrastructure. Multi cloud is all about the choice. You can choose the cloud with the most appropriate service to meet your application and customer needs.



Implementing Multi Cloud



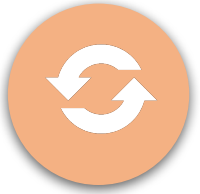
Use-Cases for Multi-Cloud

High availability

Cost optimization

Scalability

Avoid vendor lock-in



Disaster recovery

Compliance

More edge locations

Benefits of Multi-Cloud

Lower risk of DDoS attacks

Power of choice

Reliability

Data management

Avoiding vendor lock-in

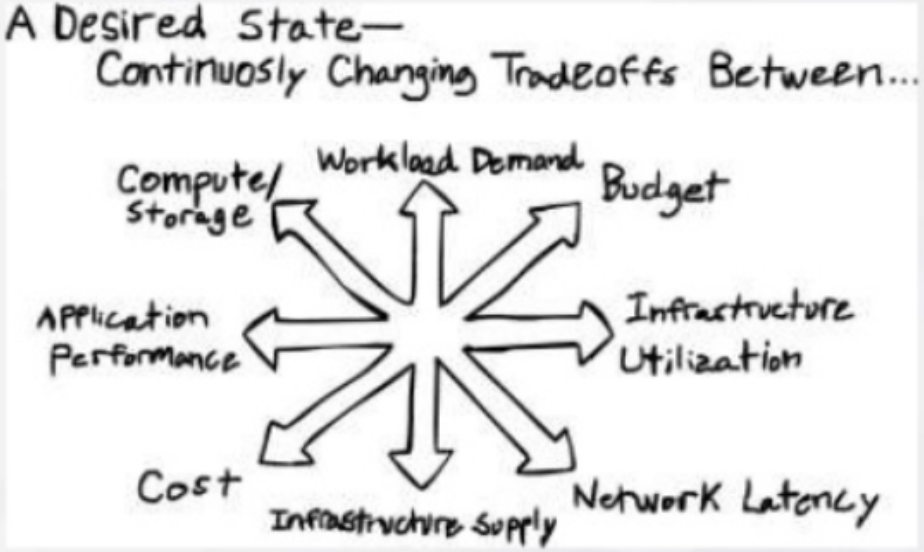
Flexibility

Multi-Cloud Management Tools

It’s not just about Cost, It’s about Trade-offs

It is not simply about cost, but how to get the best possible performance for the business at the cheapest possible price. To get to that sweet spot requires the management of tradeoffs between those competing goals. Budget and performance.

Regulation and customer locality. Inter-server communication and network latency. That complexity can be handled by allowing the virtual server itself to buy the resources to deliver the best possible performance at the cost you provide.



Contact Us

Ravi Eppaturi

+91 9867305477

ravi.eppaturi@lyncbiz.com