Cloud Computing

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Agenda

- What is cloud computing?
- Why and how to go for it?
- Tackling Inefficiency
- Be cloud first or left behind

What is Cloud Computing?

NIST[1] :

- Ondemand self service
- Broad network access
- Resources pooling
- Rapid elasticity
- Measured service

Why to go for cloud?

- Lack of Physical resources
- Cost
- Maintaintenence
- Scaling
- Expensive Replication

How to go on cloud?

- Reason (Why?)
- Identify requirement
  - RAM
  - Storage
  - Computation
  - Load balance etc.
- Cost
- Find appropriate cloud according to requirement(AWS,Azure,GCP etc.)
- Register, Pay and Use.

Tackling Inefficiency [2]

- Organisation's strategic reasons for cloud use
- Cloud Waste a Problem
  - Enterprise fail to identify how their enterprise will drive value from the cloud
  - Use older or more expensive instance types than needed, or they have failed to refactor workloads capacities

Be cloud first or left behind [3]

- Migration made easy by vendors
- Those who do not adopt a cloud-first strategy will find themselves burdened with outdated infrastructure and huge maintenance costs
- Planning cloud strategy minimise the technical debt and provide the level of flexibility, scalability, and resilience required for modern business.

Summary

- For enterprise identify the requirement and select appropriate vendor, a wrong decision lead it to high loss and workload.
- Do adopt the changes and efficiently utilize the cloud to get the best out of ot.

Reference

[1] NIST - National Institute of Standard and Technology, U.S. Department of commerce - The NIST definition of cloud computing

[2]https://www.comparethecloud.net/articles/cloud/the-cloud-conundrum-tackling-inefficiency-and-value-leakage-in-cloud/

[3] https://www.comparethecloud.net/articles/cloud/be-cloud-first-or-be-left-behind/

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