SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore – 641 107

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING(IoT and Cybersecurity Including BCT)

COURSE NAME : Cloud Service Management /19OE219

IV YEAR / VII SEMESTER

Unit II-
Topic : , Measuring the value of Cloud Services

How do you measure the value of cloud migration?

1.Business outcomes
- The first and most important metric to measure the value of cloud migration is the business outcomes that you want to achieve.
- These can vary depending on your industry, size, and objectives, but some common examples are revenue growth, customer satisfaction, market share, productivity, and innovation.
- You should define your desired business outcomes before you start your cloud migration project and track them throughout the process.
- You should also compare them with your baseline performance and your competitors' performance to assess how cloud migration has improved or affected your business.

2.Cloud costs
- The second metric to measure the value of cloud migration is the cloud costs that you incur.
- Cloud costs include the fees that you pay to your cloud service provider for using their resources, such as storage, compute, network, and software.
- Cloud costs can vary depending on your usage, configuration, and optimization. You should monitor your cloud costs regularly and compare them with your budget and your previous IT costs.
- You should also look for ways to optimize your cloud costs, such as using reserved instances, auto-scaling, and cloud-native tools.

3.Cloud performance
- The third metric to measure the value of cloud migration is the cloud performance that you experience.
- Cloud performance includes the speed, availability, reliability, and security of your cloud-based applications and infrastructure.
- Cloud performance can affect your user experience, customer satisfaction, and business continuity. You should measure your cloud performance using tools and metrics such as latency, uptime, response time, throughput, and error rate.
- You should also benchmark your cloud performance against your service level agreements (SLAs) and industry standards.

4.Cloud maturity
- The fourth metric to measure the value of cloud migration is the cloud maturity that you achieve. Cloud maturity is the level of sophistication and integration that you have with your cloud-based services.
- Cloud maturity can indicate how well you leverage the cloud's capabilities and potential. You can measure your cloud maturity using frameworks and models such as the Cloud Adoption Framework (CAF) or the Cloud Maturity Model (CMM).
- These frameworks can help you assess your current state, identify gaps, and plan your next steps.

5.Cloud culture

- The fifth metric to measure the value of cloud migration is the cloud culture that you cultivate. Cloud culture is the mindset and behavior that you foster among your employees and stakeholders to embrace and adopt the cloud.
- Cloud culture can influence your organizational agility, innovation, and collaboration. You can measure your cloud culture using surveys, feedback, and interviews to understand how your staff perceive and use the cloud.
- You can also implement best practices such as training, communication, and incentives to promote a positive cloud culture.

6.Cloud risks

- The sixth and final metric to measure the value of cloud migration is the cloud risks that you manage.
- Cloud risks are the potential threats and challenges that you face when moving to and operating in the cloud.
- Cloud risks can include data breaches, compliance issues, vendor lock-in, and technical glitches.
- You can measure your cloud risks using tools and methods such as risk assessment, risk mitigation, and risk monitoring.
- You can also adopt a proactive and holistic approach to managing your cloud risks, such as following the shared responsibility model and implementing security controls.