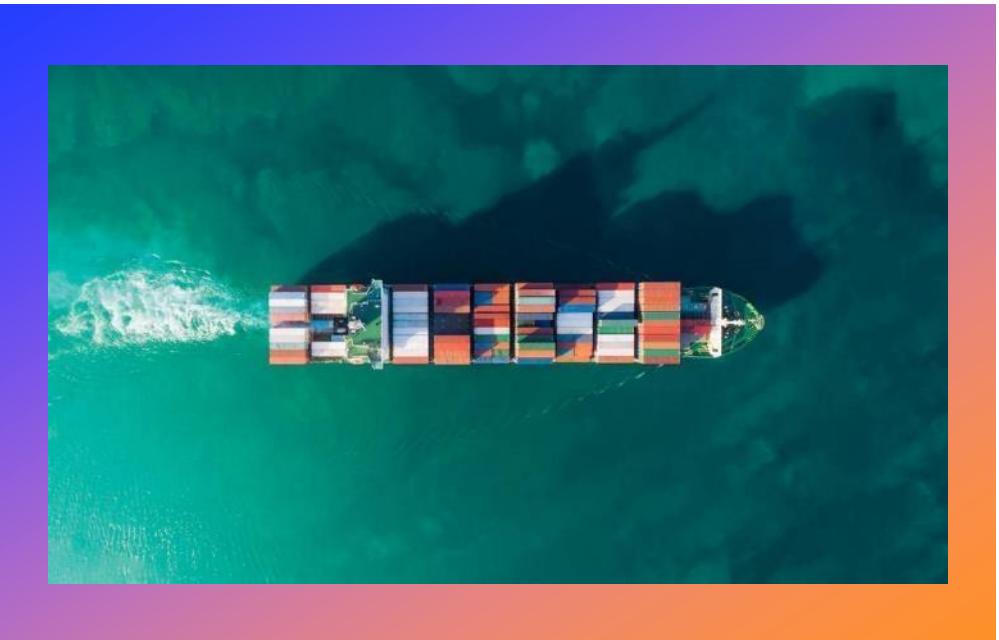# WEEK 7
# COST MANAGEMENT

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# Agenda

- Factors that affect cost
- Azure pricing calculator
- Total cost of ownership calculator
- Azure cost management
- Resource tags

# Factors

Different services are billed based on different factors

- Free services
- Pay for time
- Pay per GB
- Pay per operations
- Pay per Execution

# Free services

- Resource groups
- Virtual network (up to 50)
- Load balancer (basic)
- Azure Active directory (basic)
- Network Security Groups
- Free-tier web apps (up to 10)

# Pay per usage

- Functions, Logic Apps, Storage (per GB), Outbound band width

- Functions
  - 1 million executions free per month
  - $0.20 per million executions
  - Cheapest virtual machine $20 per month

# Pay for time (second)

Billing stops when the VM is stopped

# Stability in pricing

Pay a fixed price per month for computing power or storage capacity

Whether you use it or not

Discounts for 1-year or 3-year commitment in VM (Reserved instances)

Multi-tenant or isolated environment

# Pay for bandwidth

- Outbound first 5GB is free
- Inbound data is free

# Bandwidth costs

- Availability zone pricing is different!

# Cost Calculator

# Configurable options

Region

Tier

Subscription Type

Support Options

Dev/Test Pricing

Licenses

# USING COST CALCULATOR, YOU CAN EXPORT AND SHARE YOUR ESTIMATION

# Total cost of Ownership Calculator

- The cost of a server is more than just the cost of the hardware

https://azure.microsoft.com/en-us/pricing/tco/calculator/

# Total cost of ownership

- Electricity
- Cooling
- Internet connectivity
- Rack space
- Setup labor
- Maintanance labor
- Backup

# Azure Cost Management

FREE TOOL TO ANALYZE SPENDING

TRACKING AGAINST BUDGETS (NOTIFICATIONS, MAIL, SMS)

ALL YOUR PAST INVOICES

SCHEDULE REPORTS

# Resource Tags

Metadata to resources

Attaching some information to the resources

Helps with billing and support issues

# THANK YOU

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