



WEEK 14

COST MANAGEMENT

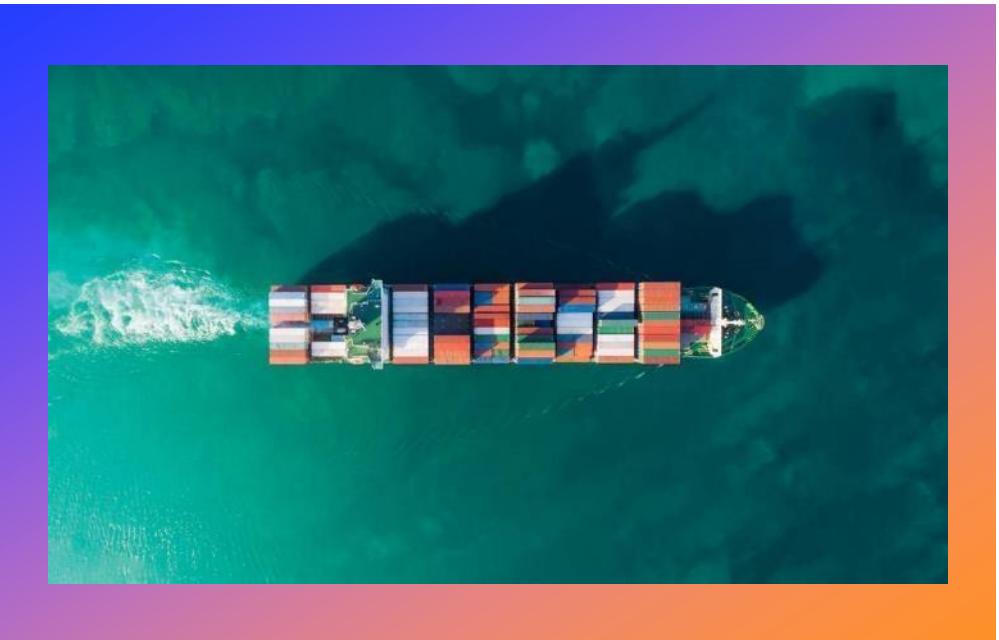
Q&A

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Agenda

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



Question

What is the primary function of Azure Cost Management and Billing?

- A) To configure network security groups and firewall settings
- B) To monitor, control, and optimize cloud spending
- C) To manage user identities and access permissions in Azure
- D) To deploy and manage virtual machine instances

Question

Which feature in Azure Cost Management allows an organization to allocate cloud spending to different departments or projects?

- A) Cost alerts
- B) Resource tagging
- C) Budgets
- D) Price calculator

Question

Azure Cost Management supports cost management for which of the following cloud platforms?

- A) Only Azure
- B) Azure and AWS
- C) Azure, AWS, and Google Cloud Platform
- D) Azure, AWS, Google Cloud Platform, and IBM Cloud

Question

What is the purpose of the Azure Pricing Calculator?

- A) To provide real-time monitoring of Azure resources
- B) To configure and automate scaling of resources
- C) To estimate the cost of Azure services before deployment
- D) To manage and distribute software licenses

Question

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 bandwidth
- 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
- Maintenance 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

+
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THANK YOU

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