Microsoft Azure Fundamentals
Training Bootcamp

Azure Cost Management Best Practices

Cost Reduction Best Practices - Infrastructure

- ❑ This lecture concentrates on the different available options you have in order to reduce both infrastructure and licensing costs

- ❑ Use Azure Credits
    - ❑ Visual Studio subscribers receive a monthly credit (separate subscription) in Azure
    - ❑ $50/$150 credit to use in Azure for testing

Visual Studio

- ❑ Use spending limits
    - ❑ Specific to subscriptions with monthly credit
    - ❑ Services disabled/turned off until next period

SPENDING LIMIT $

Cost Reduction Best Practices - Infrastructure

- ❑ Use reserved instances
  - ❑ For long-term VM usage (1y/3y), reserving capacity in advance brings discounts up to 72%

- ❑ Use low-cost locations and regions
  - ❑ Cost of Azure resources vary between regions and locations, choose wisely

- ❑ Resize underutilized VMs
  - ❑ Over-sized VMs are a common unnecessary expense on Azure; make sure you right-size your VMs

Cost Reduction Best Practices - Infrastructure

- ❑ Run the VM only when needed
    - ❑ If the VMs are only used during normal office hours (9-18), schedule automatic shutdown

- ❑ Delete unused VMs
    - ❑ Sounds obvious, but it's true ☺

- ❑ Change cloud deployment model
    - ❑ Where applicable, migrate to PaaS (vs IaaS), it's cheaper

Cost Reduction Best Practices - Licensing

- ❑ Linux vs. Windows
  - ❑ Evaluate the price when initiating a VM; do I need specifically one of them ? Which one is cheaper ?

- ❑ Reuse Windows Server licenses
  - ❑ Got a Windows server license ? Azure provides the right to use these licenses for VMs in Azure

- ❑ Reuse SQL Server licenses
  - ❑ Same here, reuse already bought SQL Server licenses

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Cost Reduction Best Practices - Licensing

- ❑ Use Dev/Test subscription offers
  - ❑ Non-production environment use
  - ❑ Save money on your Windows and SQL Server VMs

- ❑ Use SQL Server Developer Edition
  - ❑ Free product for nonproduction use, great for devs

- ❑ Use dedicated VM types for DBs
  - ❑ Low vCPU, cost reduction on compute
  - ❑ Examples: DS, ES, GS, MS

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Thank you