WorkshopPLUS - Azure Cost Optimization

WorkshopPLUS

Duration: 2 Days [Remote / Onsite]
Difficulty Level: 300 - Advanced

Description

This engagement will help you understand how to approach cost management in Azure using the Cloud Adoption Framework (CAF) and the Well-Architected Framework (WAF). These frameworks provide best practices and guidance for designing, implementing, and optimizing your cloud solutions.

You will learn how to reduce your Azure costs by choosing the right service rates, scaling your resources according to demand, and eliminating unnecessary spending. You will also learn how to use various tools and resources to monitor and manage your cloud costs effectively.

Objectives

- Understand how cost is approached by Azure frameworks like CAF and WAF.
- Learn how to optimize Azure costs by:
    - Decreasing services rates
    - Avoid wasting money in unused resources.

Outcomes

- Explain the key concepts and benefits of CAF and WAF
- Apply CAF and WAF principles to your cloud adoption strategy and plan
- Optimize Azure costs by decreasing service rates and avoiding wasting money in unused resources
- Use tools and resources to monitor and manage your cloud costs

Methodology

Learn By Example
Knowledge transfer sessions using presentations, demonstrations, examples from a subject matter expert and group discussions.

Scope

- This service focus on optimizations at tactical layer such as: IaaS (Virtual Machines, Storage and Network); Azure extended services (PaaS, Tags, Logs and Advisor); Azure Reservations; Saving plan for Compute; and Hybrid Benefits.
- Covers Azure Cost Management portal and references to other tools to manage cost.
- This delivery is not intended to provide recommendations. For that purpose, use one of the Cost Optimization Assessments.
- No customization of scripts or workbooks are covered in other Cost deliveries.

Agenda

Day 1
- Introduction to Azure Cost Management, Cloud Adoption Framework (CAF) and Well-Architected Framework (WAF)
- Azure Resource Optimizations IaaS focused (Virtual Machine)
- Azure Resource Optimizations IaaS focused (Storage and Network)

Day 2
- Azure Resource Optimizations extended services
- Azure Hybrid Benefit
- Azure Reservations and Savings Plan for Compute

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Delivery Outline

Requirements	
Participants ▪ Architects, IT Administrators, IT Pros and Developers. ▪ Solution Owner, Enterprise Admin **Delivery Requirements** ▪ *Computer with audio equipment, internet access. Modern browser and at least 1 Mbps bandwidth per participant* ▪ *Microsoft Teams for remote deliveries*	**Time Commitment** ▪ Two Full day engagement with relevant attendees **Skill Requirements** ▪ General familiarity with cloud computing concepts ▪ Experience in Microsoft Azure Administration ▪ Basic Understanding of Microsoft Azure cost and billing

Education		

Day 1	Introduction to Azure cost Management and Resource Optimization	▪ Introduction to Well-Architected Framework (WAF).
		▪ Introduction to Cloud Adoption Framework (CAF).
		▪ Introduction to Azure Cost Management:
		  ▪ Budgets.
		  ▪ Alerts.
		  ▪ Cost Analysis.
		  ▪ New Features.
		  ▪ Azure Advisor.
		▪ Azure Resource Optimizations IaaS focused (VM):
		  ▪ Recommendation on sizing, sku and many more.
		  ▪ Spot instances.
		  ▪ VM resize.
		▪ Azure Resource Optimizations IaaS focused (Storage and Network):
		  ▪ Storage and Disk SKU and tier.
		  ▪ Data lifecycle management.

Day 2	Manage Azure cost via Azure Offering and Services	▪ Azure Resource Optimizations extended services:
		  ▪ PaaS/AKS.
		  ▪ Backup.
		  ▪ Logs.
		▪ Azure Hybrid Benefit.
		▪ Azure Reservation.
		▪ Savings Plan for Compute.

For more information: Please contact your Microsoft Representative for more details.

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