

Microsoft Azure Fundamentals Certification and Beyond

Preface:

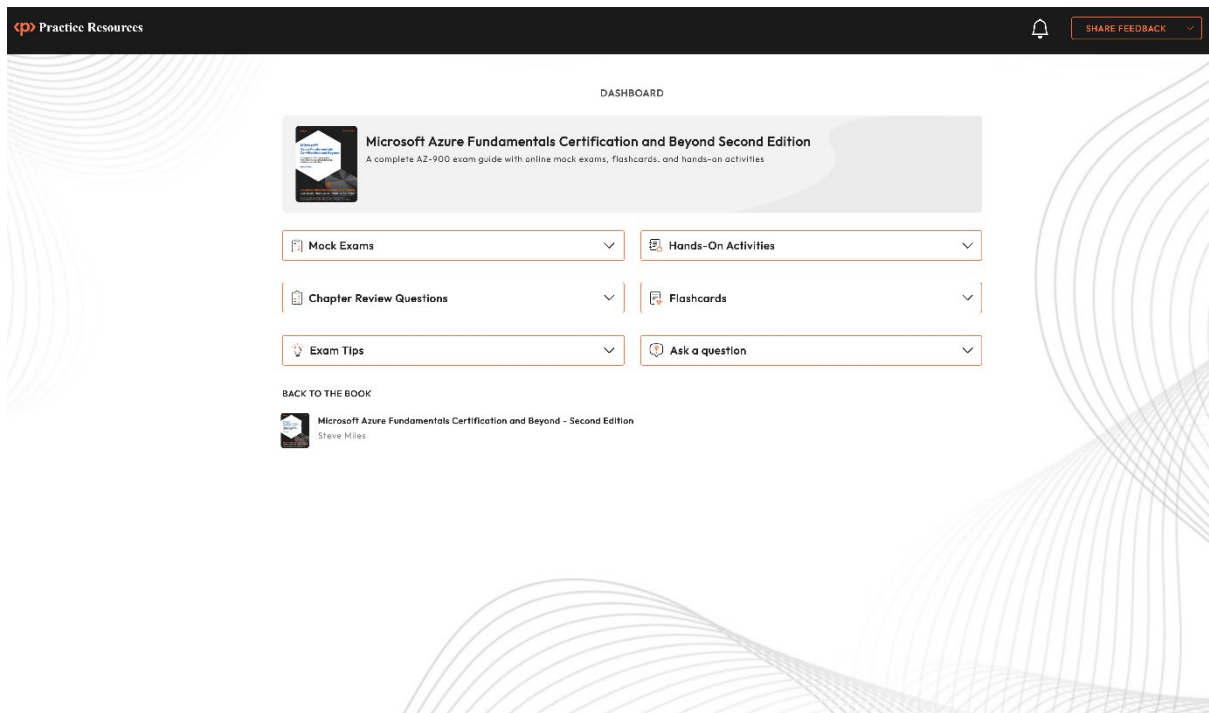


Figure 0.1 – Exam AZ-900: Microsoft Azure Fundamentals Online exam-prep platform



Chapter 1: Introduction to Cloud Computing

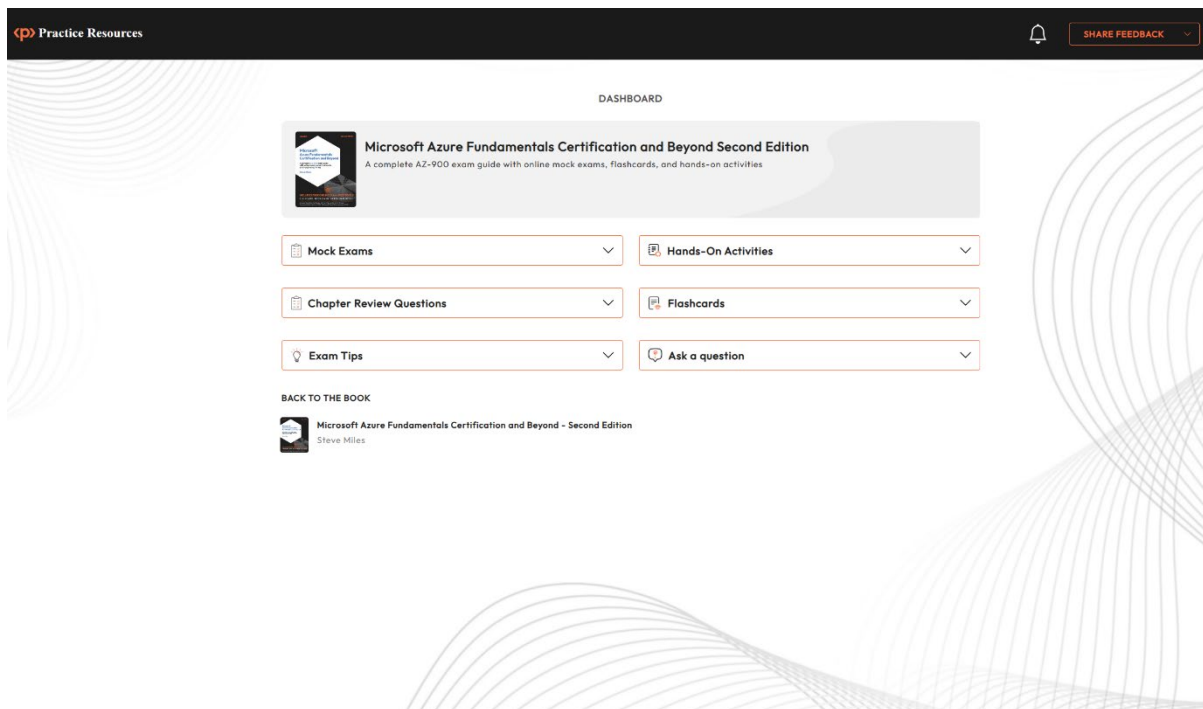


Figure 1.1: Dashboard interface of the online practice resources

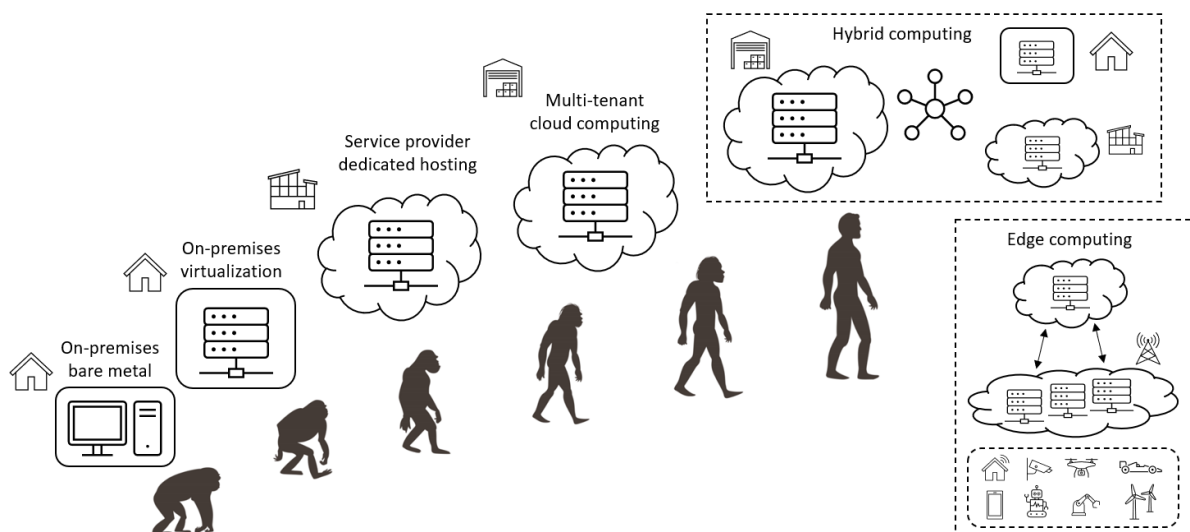


Figure 1.2 – Evolution of cloud computing

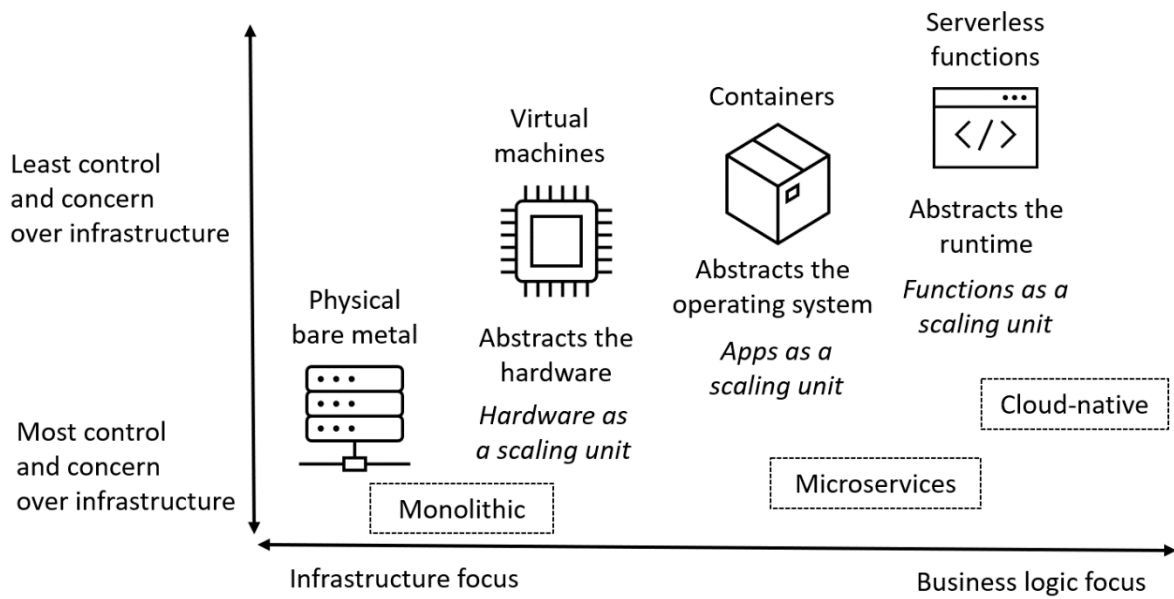


Figure 1.3 – Cloud computing architectures

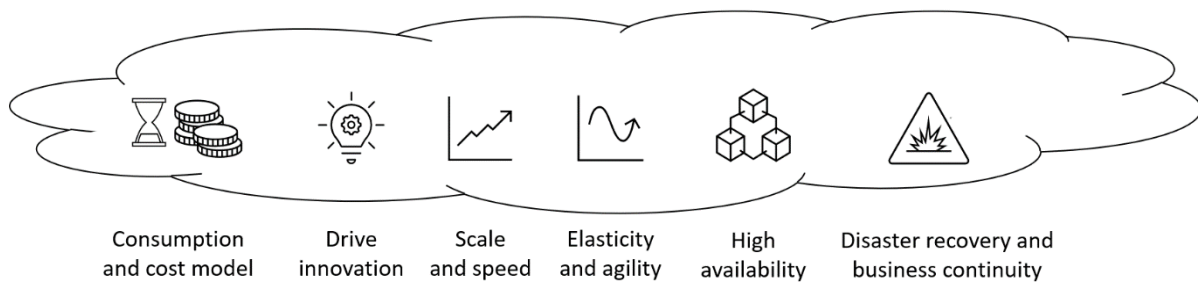


Figure 1.4 – Benefits of cloud computing

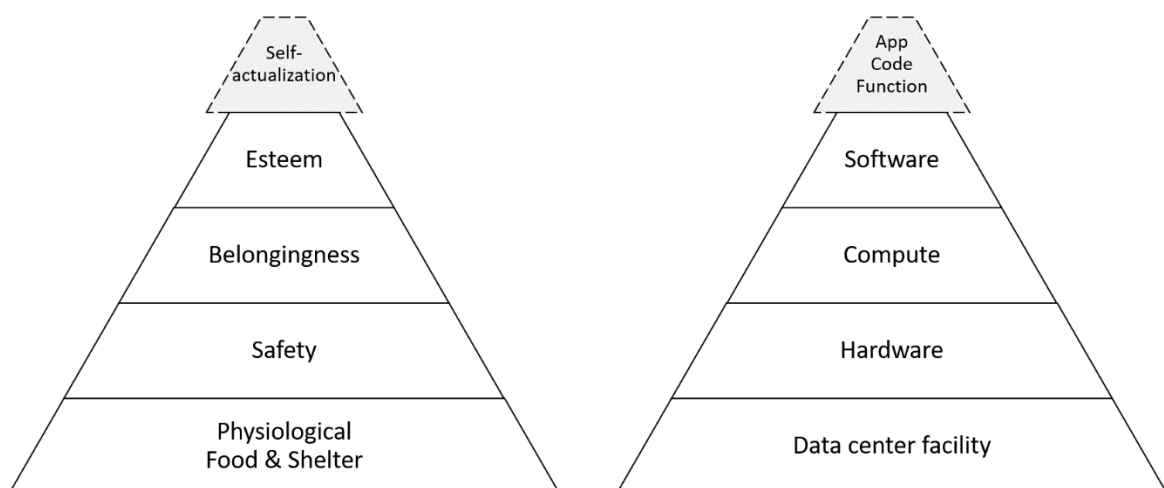


Figure 1.5 – Maslow's hierarchy versus the cloud computing hierarchy of needs

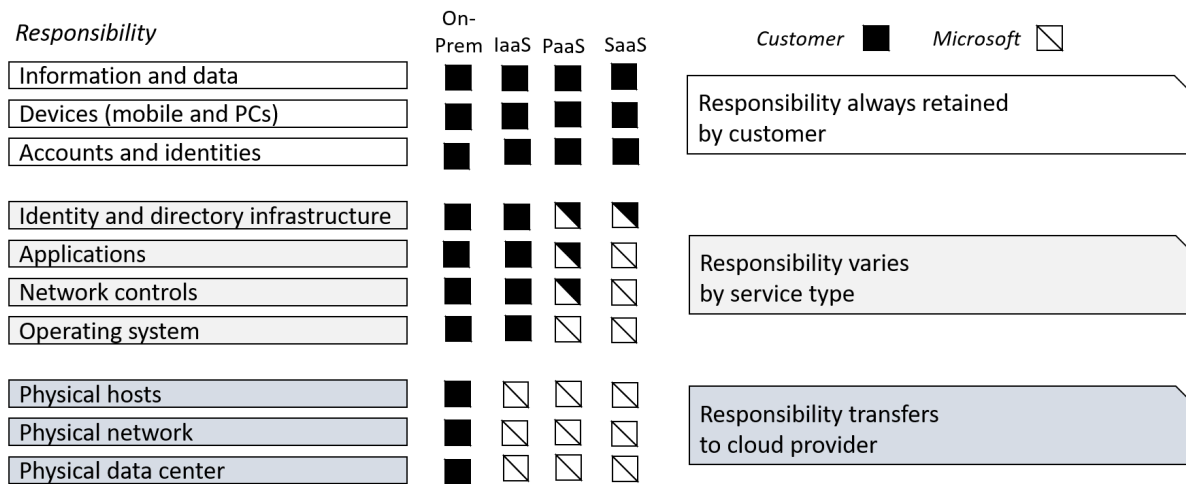


Figure 1.6 – Shared responsibility model

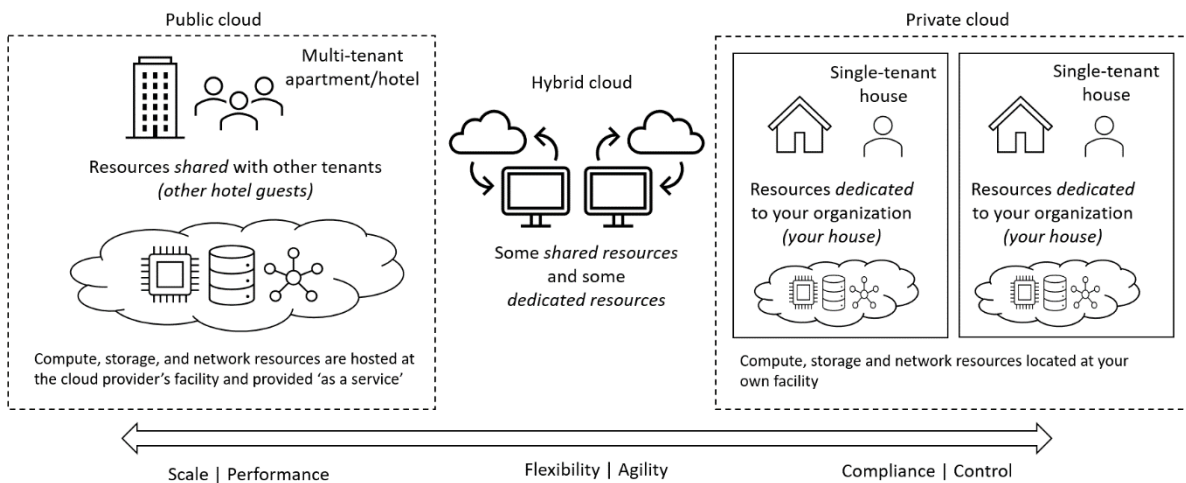


Figure 1.7 – Cloud computing delivery models

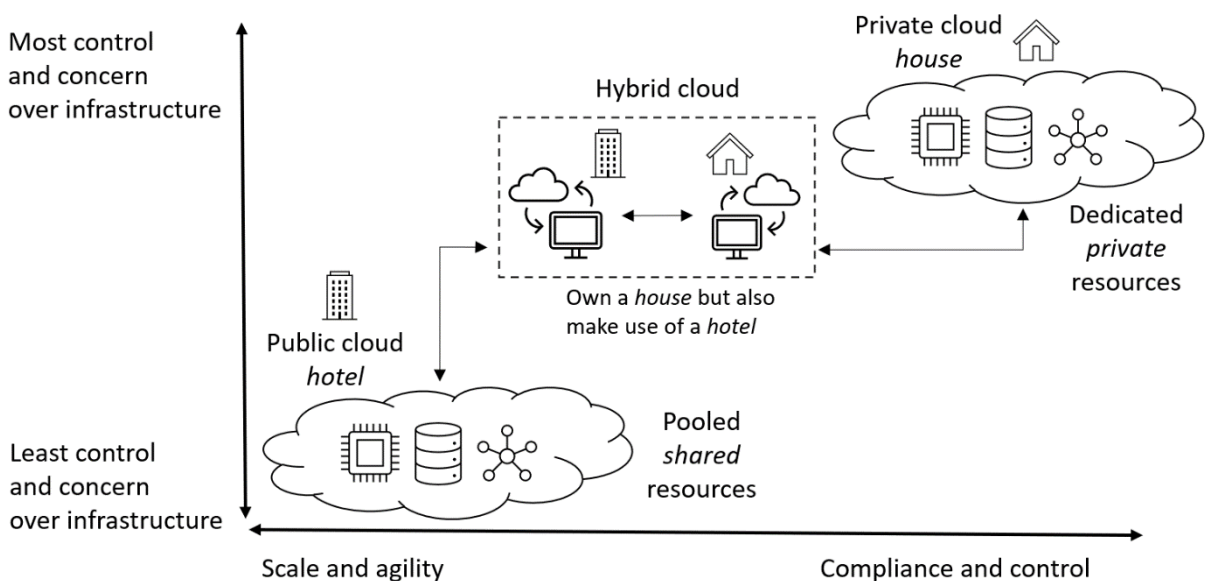


Figure 1.8 – Comparing cloud computing delivery models

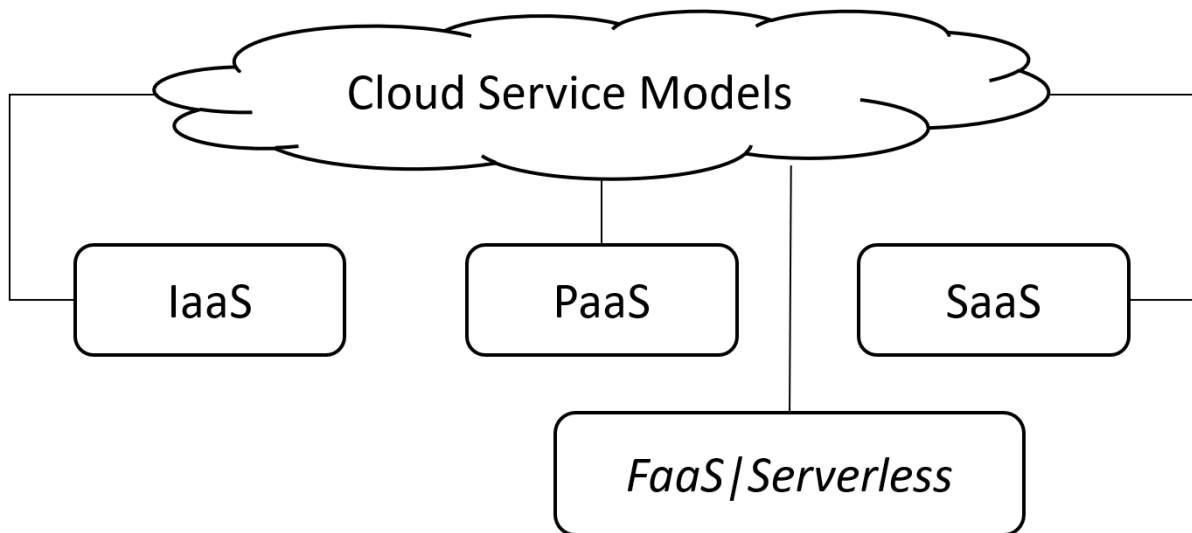


Figure 1.9 – Cloud computing service models

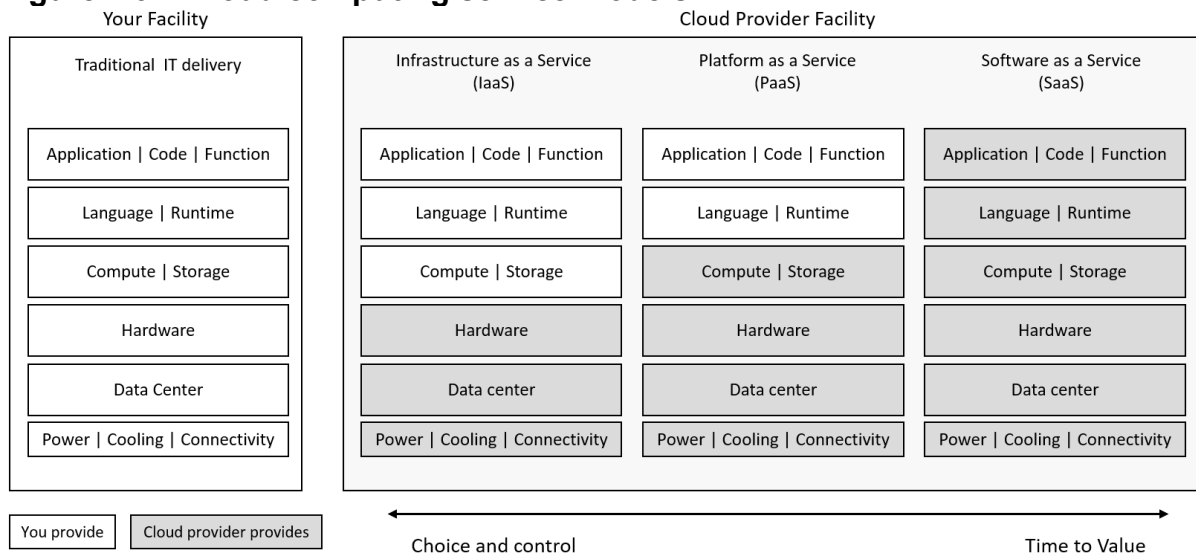


Figure 1.10 – Cloud computing service models—layer providers

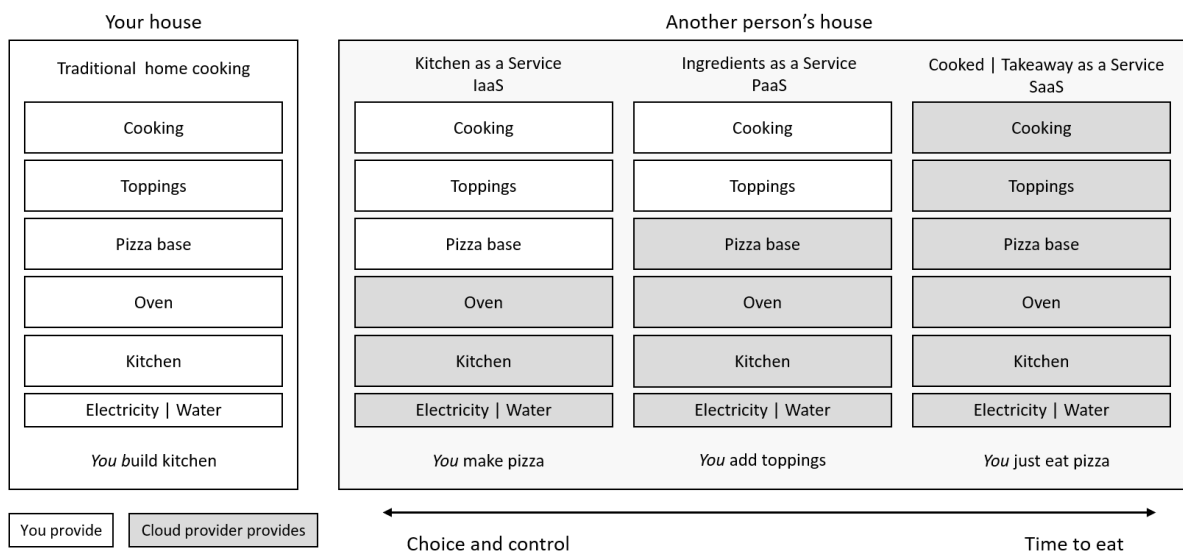


Figure 1.11 – Cloud computing service models—layer analogy of pizza processing

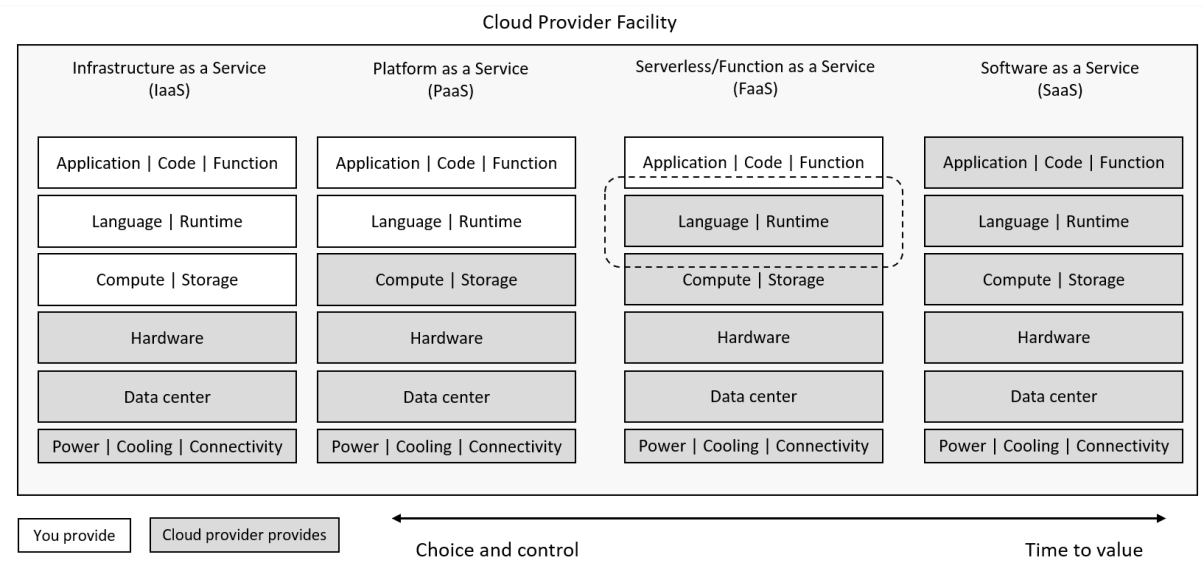


Figure 1.12 – Cloud computing service models—compare and contrast

Practice Resources

SHARE FEEDBACK

DASHBOARD > CHAPTER 1

Introduction to Cloud Computing

Summary

This chapter included complete coverage of the AZ-900 Azure Fundamentals exam skills area: **Describe Cloud Concepts**

In this chapter, you learned how to define cloud computing; describe the shared responsibility model; define cloud models, including public, private, and hybrid; identify appropriate use cases for each cloud model; describe the consumption-based model; describe IaaS; describe PaaS; describe SaaS; and identify appropriate use cases for each cloud service (IaaS, PaaS, and SaaS).

Further knowledge beyond the required exam content was provided to prepare you for a real-world, day-to-day, Azure-focused role. In the next chapter, you will look at the benefits of using cloud services.

Chapter Review Questions

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Select Quiz

Quiz 1 [SHOW QUIZ DETAILS](#)

[START](#)

Figure 1.13 – Chapter Review Questions for Chapter 1

Chapter 2: Benefits of Using Cloud Services

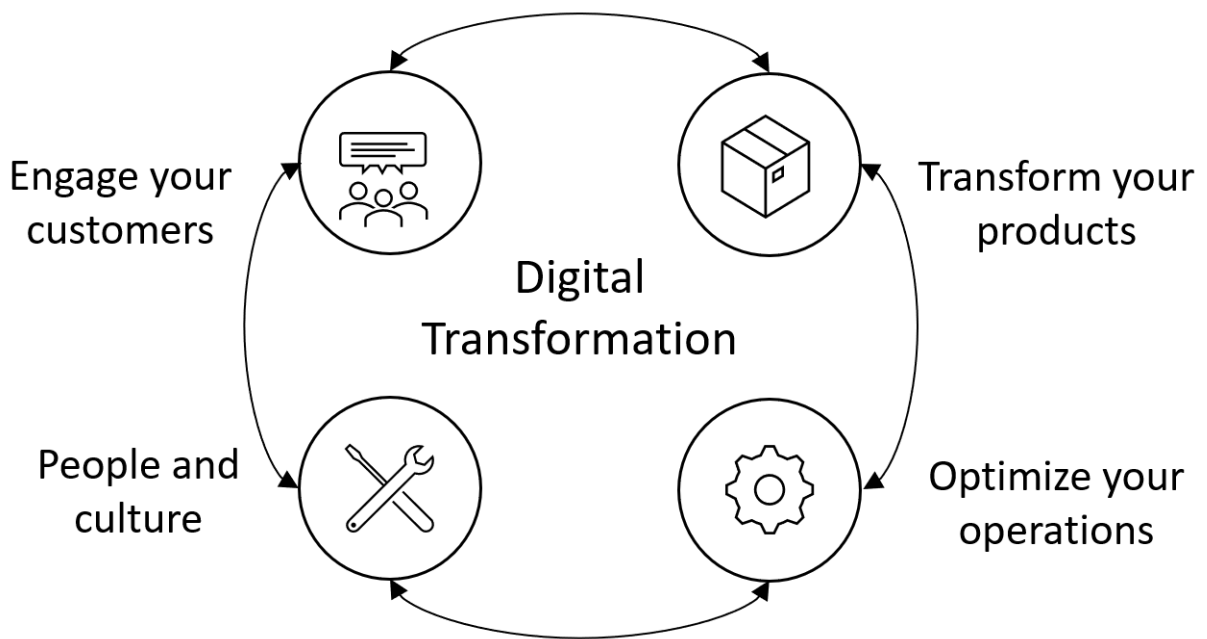


Figure 2.1 – Cloud computing as a digital transformation enabler

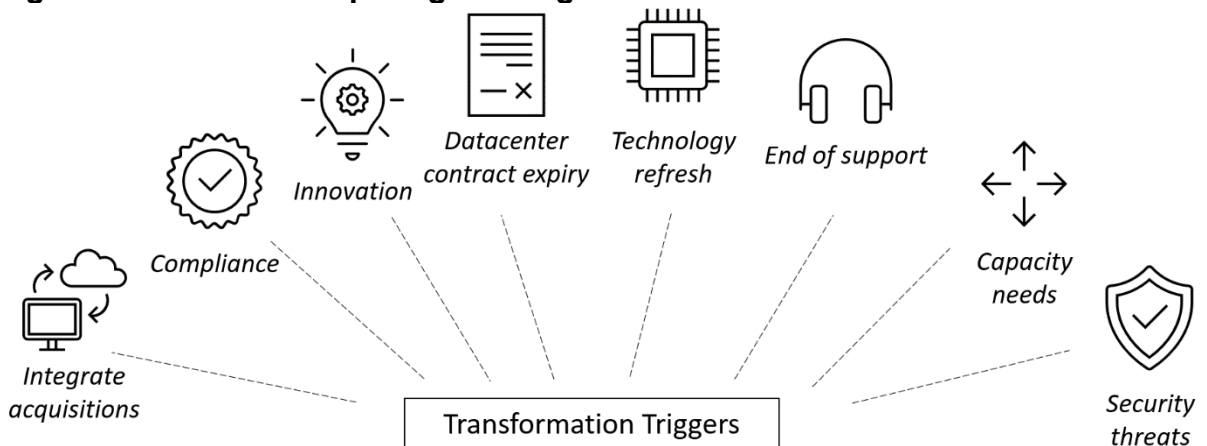


Figure 2.2 – Digital transformation triggers

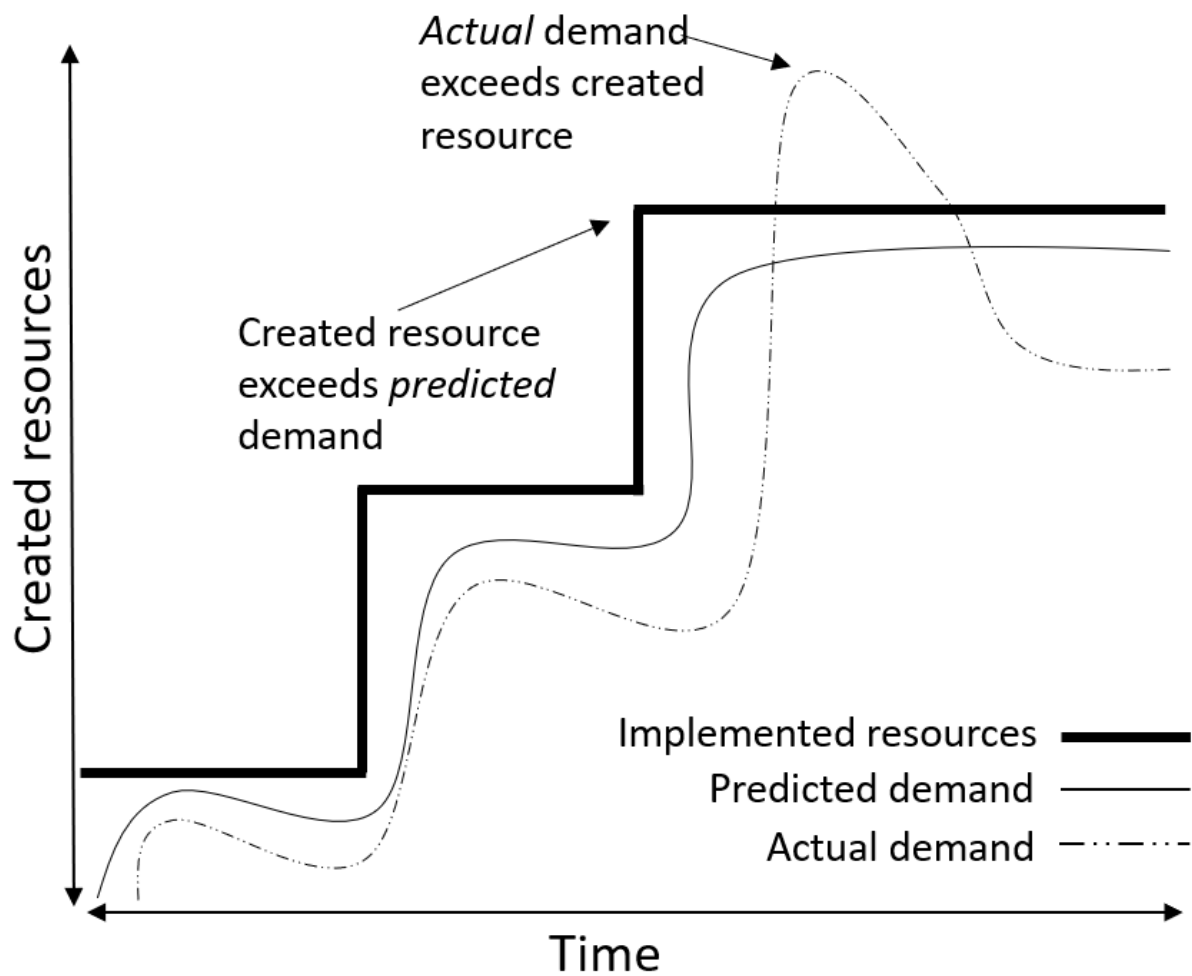


Figure 2.3 – Cloud computing resource demand model

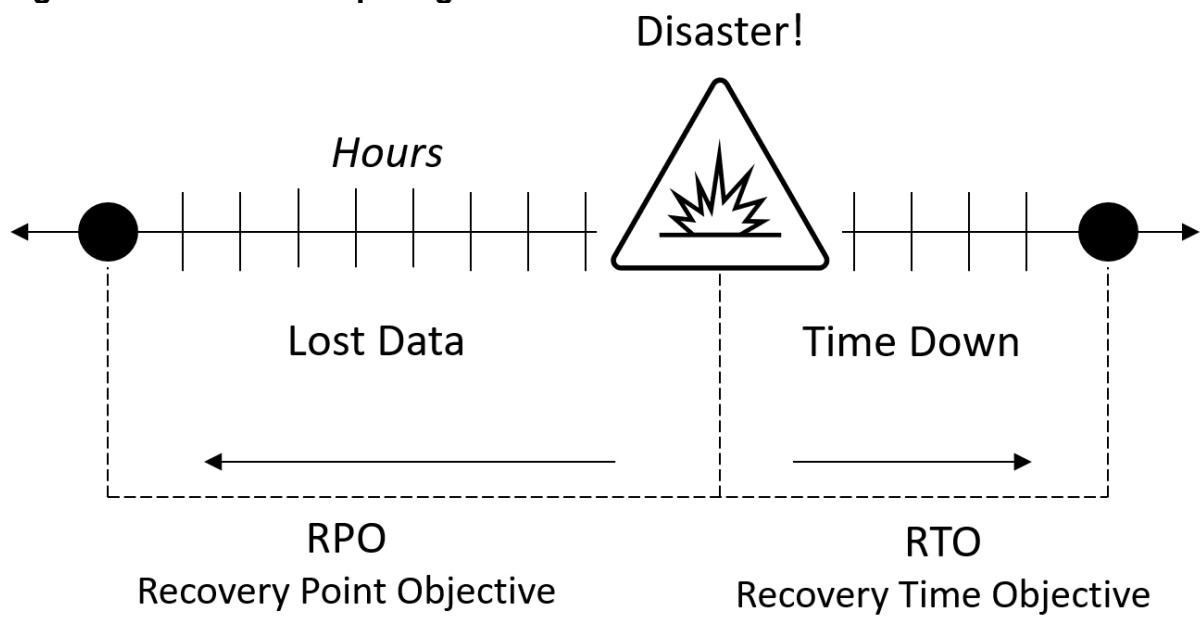


Figure 2.4 – RTO and RPO

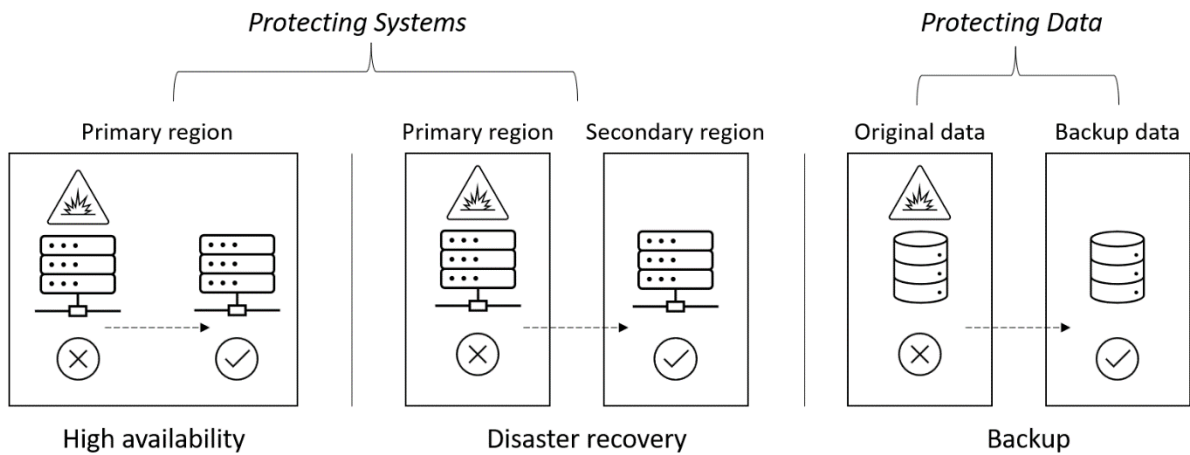


Figure 2.5 – Comparing backup, high availability, and disaster recovery

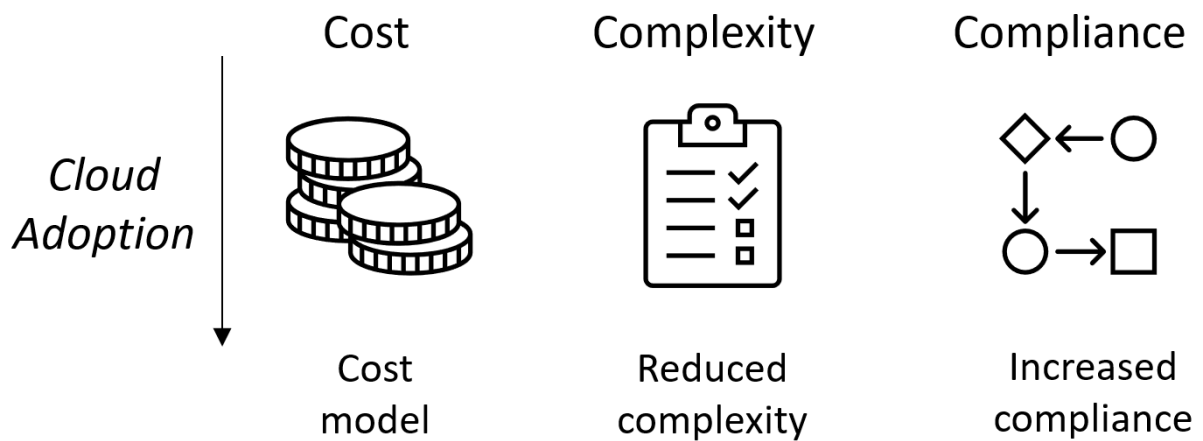


Figure 2.6 – Challenges to implementing business continuity

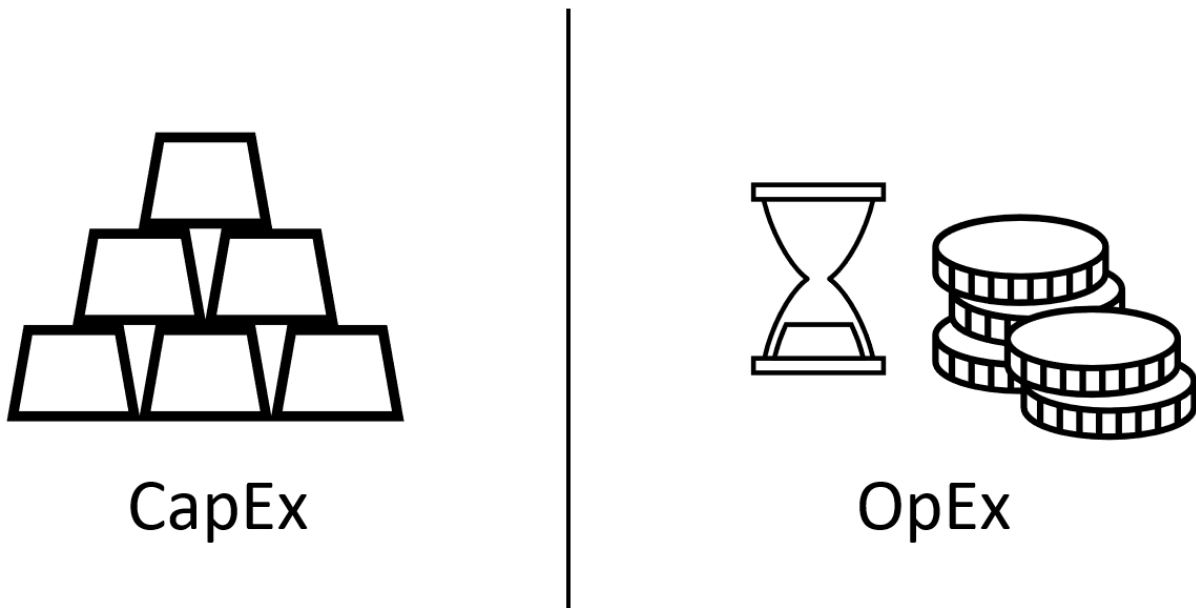


Figure 2.7 – Cost expenditure models

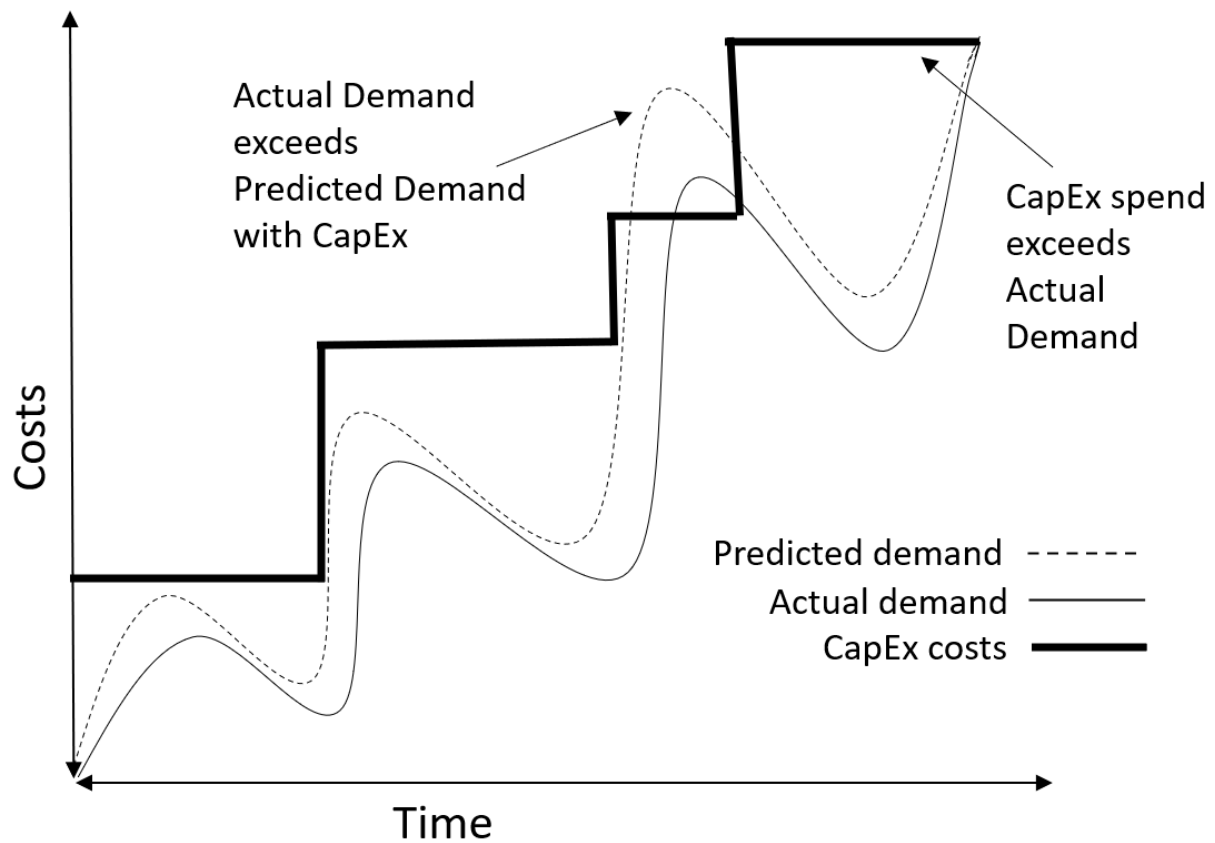


Figure 2.8 – Application of cost expenditure models

Practice Resources

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DASHBOARD > CHAPTER 2

Benefits of Using Cloud Services

Summary

This chapter included complete coverage of the **Describe the benefits of using cloud services** skills area of the AZ-900 Azure Fundamentals exam.

In this chapter, you learned about the benefits of using cloud services. You looked at cloud computing as a digital transformation enabler, the triggers, the cloud migration approach, and adopting a cloud mindset. In addition, you learned various aspects of a cloud operations model and the economics of cloud computing.

Further knowledge beyond the required exam content was provided to prepare you for a real-world, day-to-day Azure-focused role.

The next chapter will look at Azure's core architectural components.

Chapter Review Questions

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Select Quiz

Quiz 1 [SHOW QUIZ DETAILS](#) [START](#)

Figure 2.10 – Chapter Review Questions for Chapter 2

Chapter 3: Azure Core Architectural Components

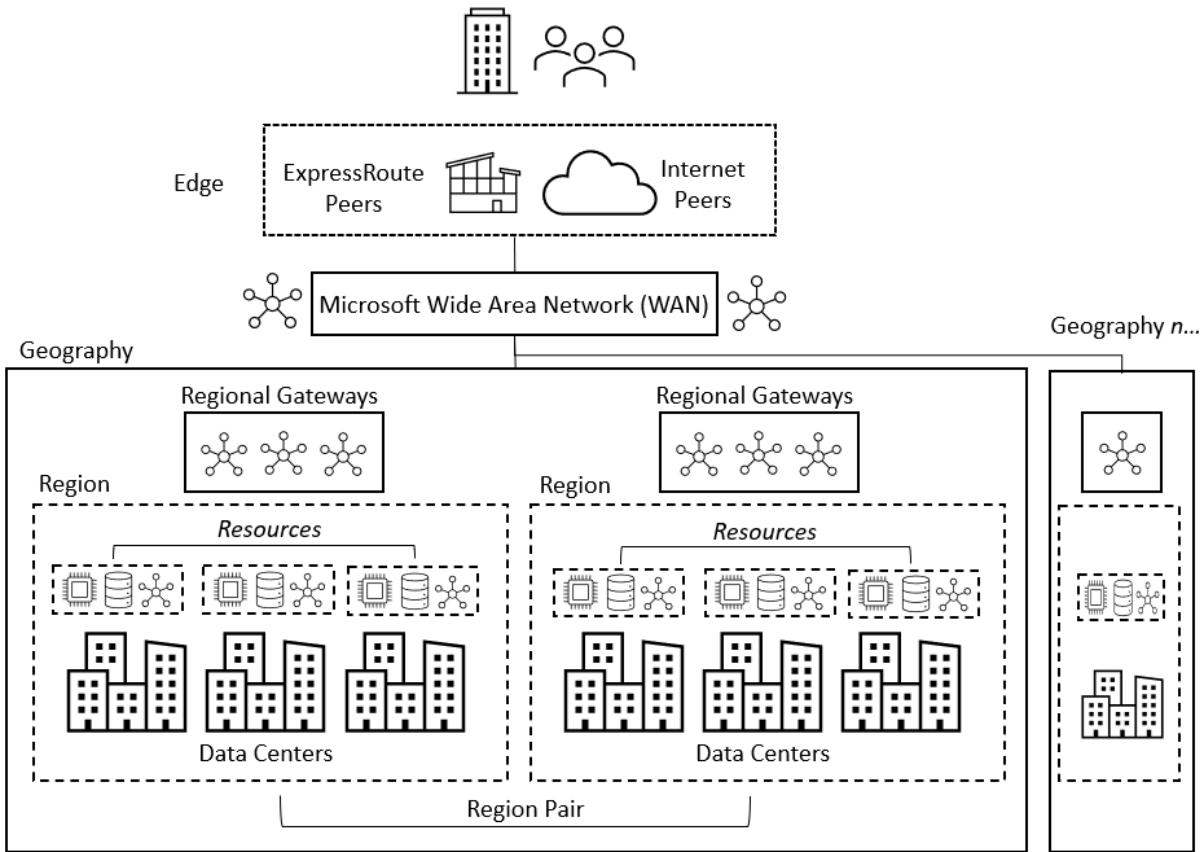


Figure 3.1 – Azure global infrastructure key component topology

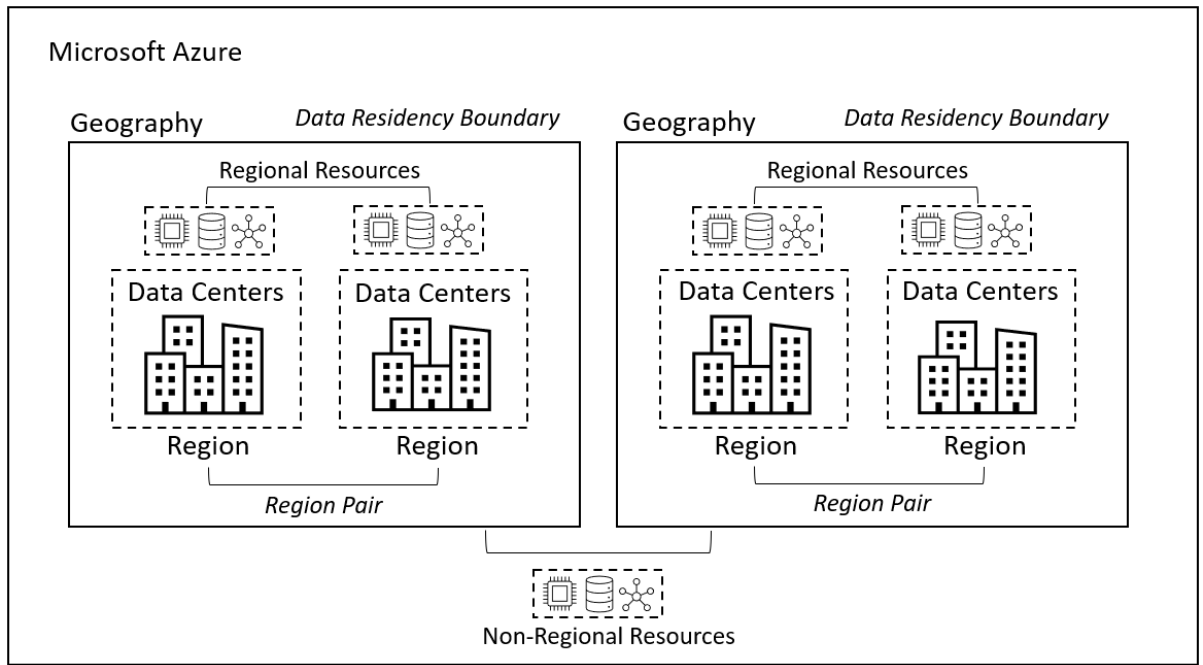


Figure 3.2 – Azure regions and geographies relationship

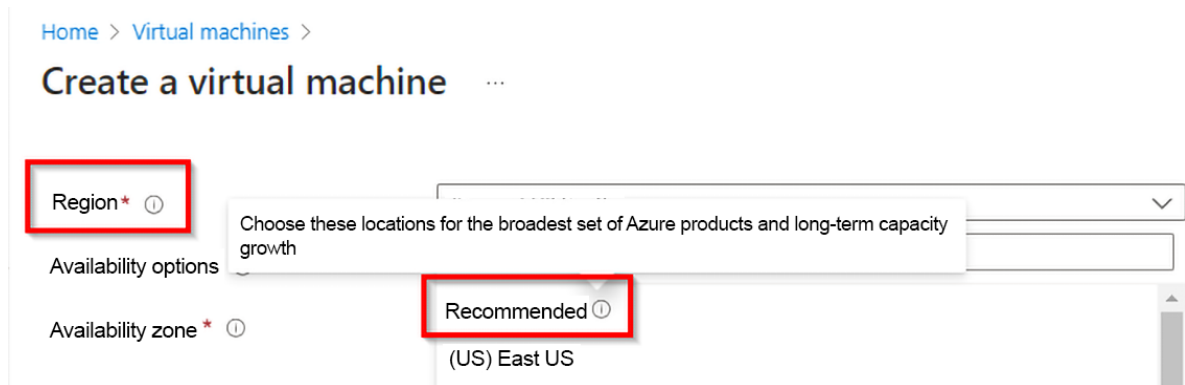


Figure 3.3 – Azure region selection for creating resources

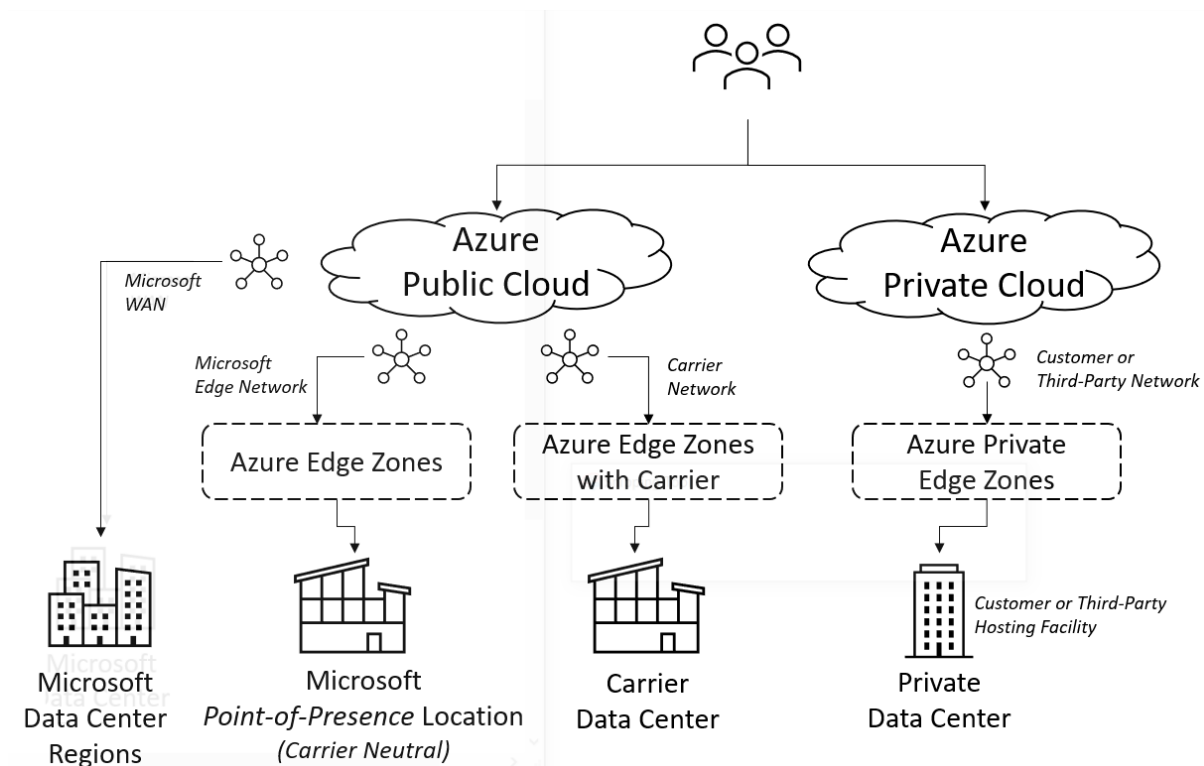


Figure 3.4 – Azure Edge Zone relationships

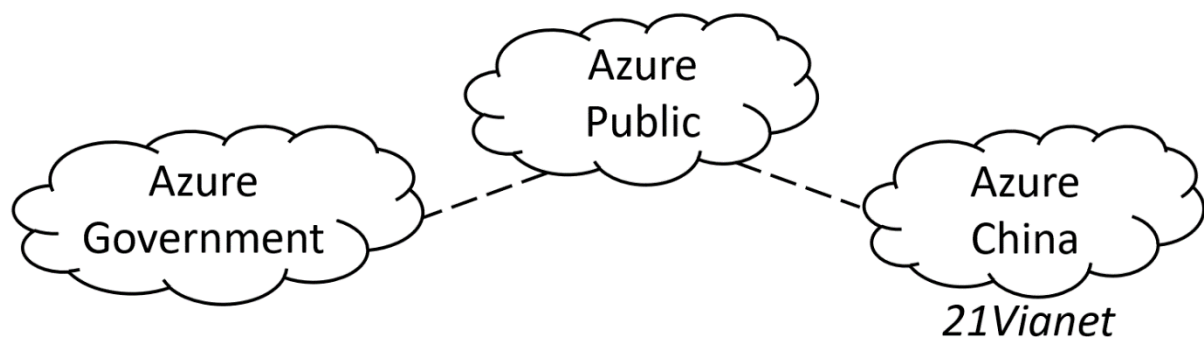


Figure 3.5 – Provided Azure sovereign regions

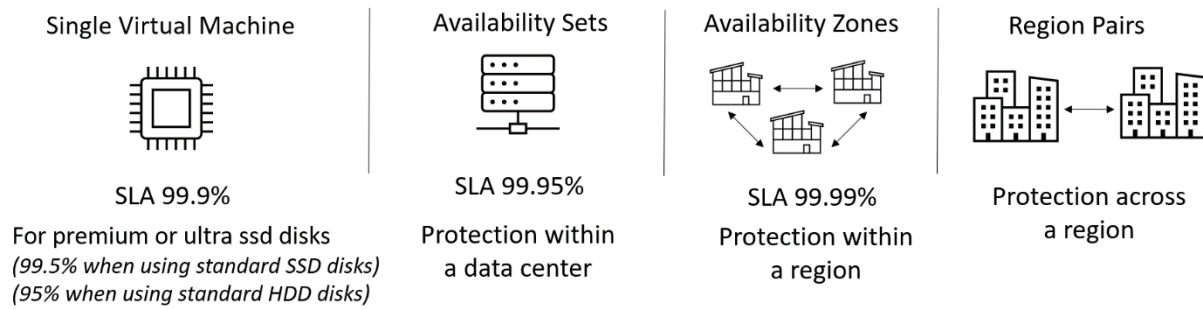


Figure 3.6 – Azure availability components relationship

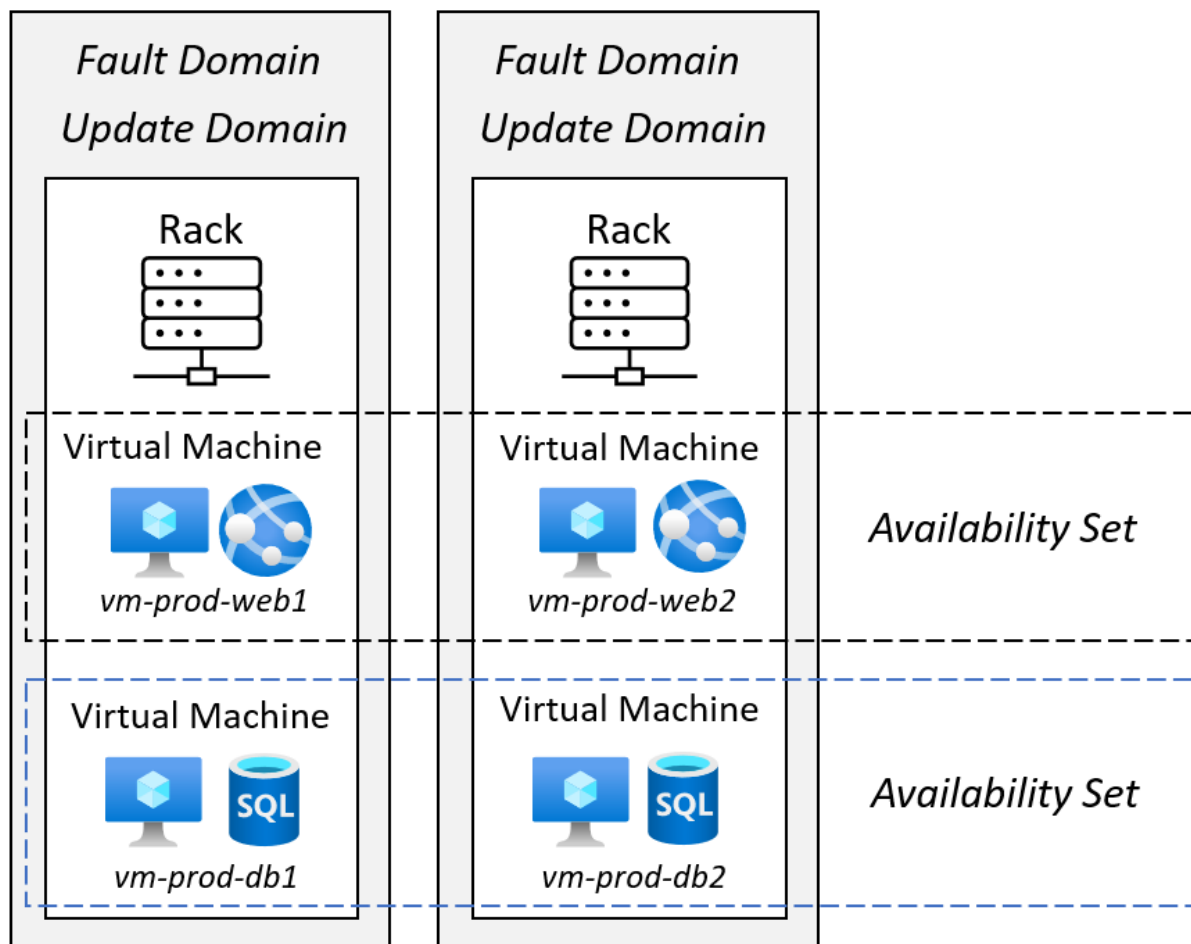


Figure 3.7 – Providing Azure availability set functionality in a solution

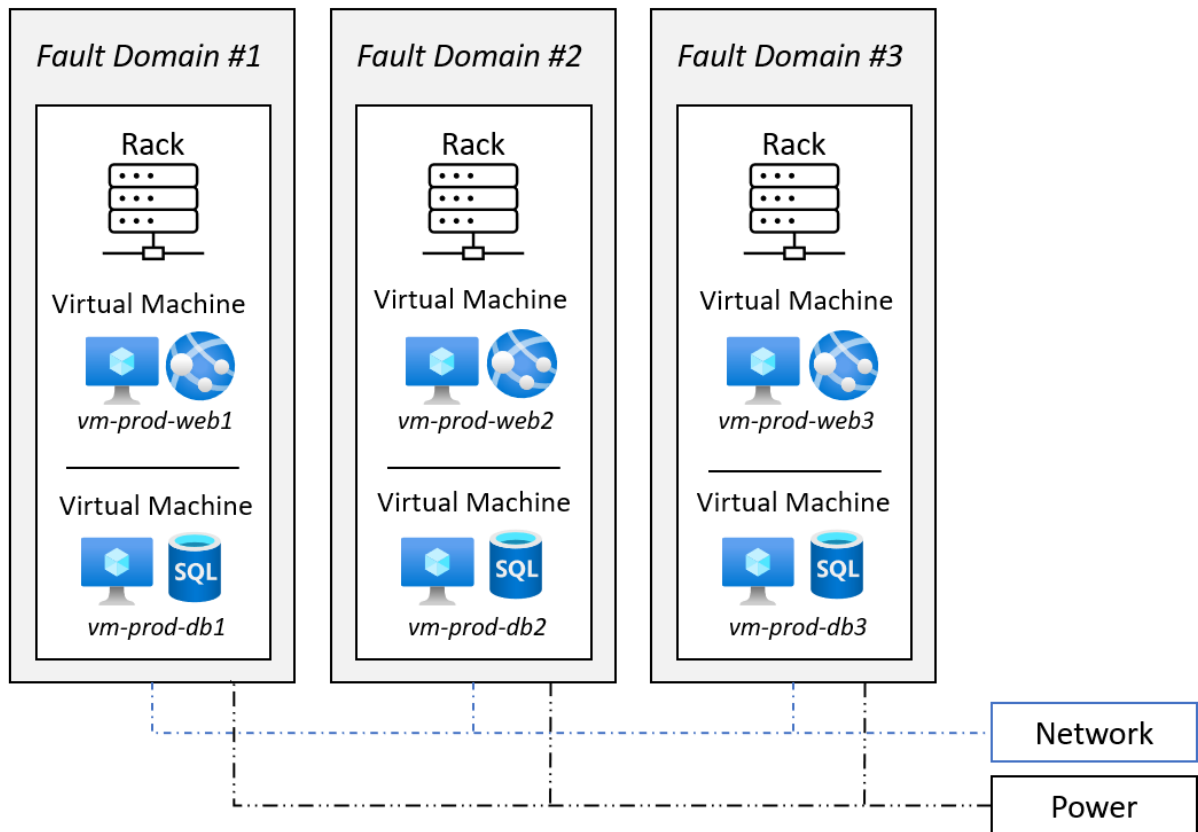


Figure 3.8 – Providing availability set fault domain functionality in a solution

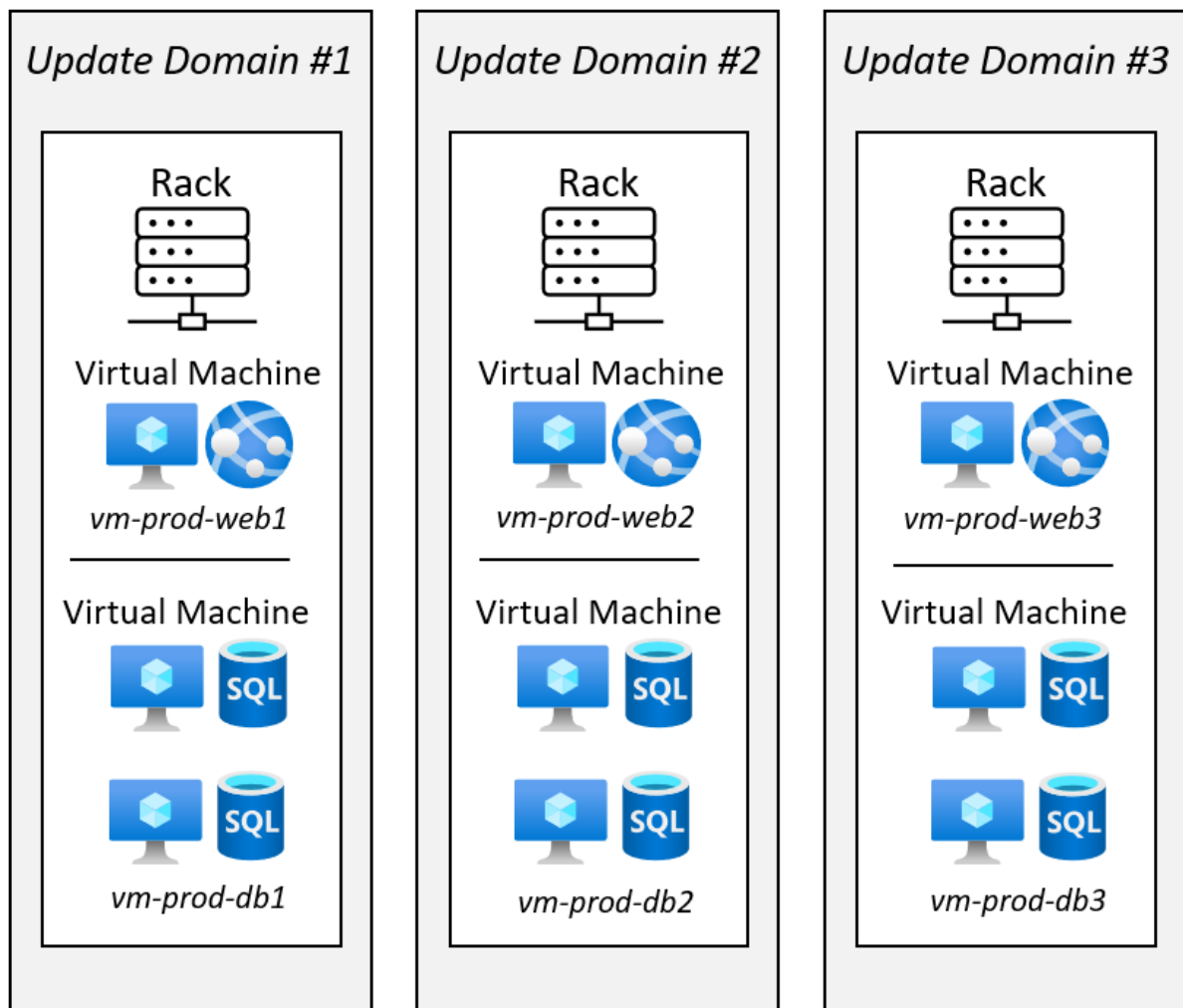


Figure 3.9 – Providing availability set update domain functionality in a solution

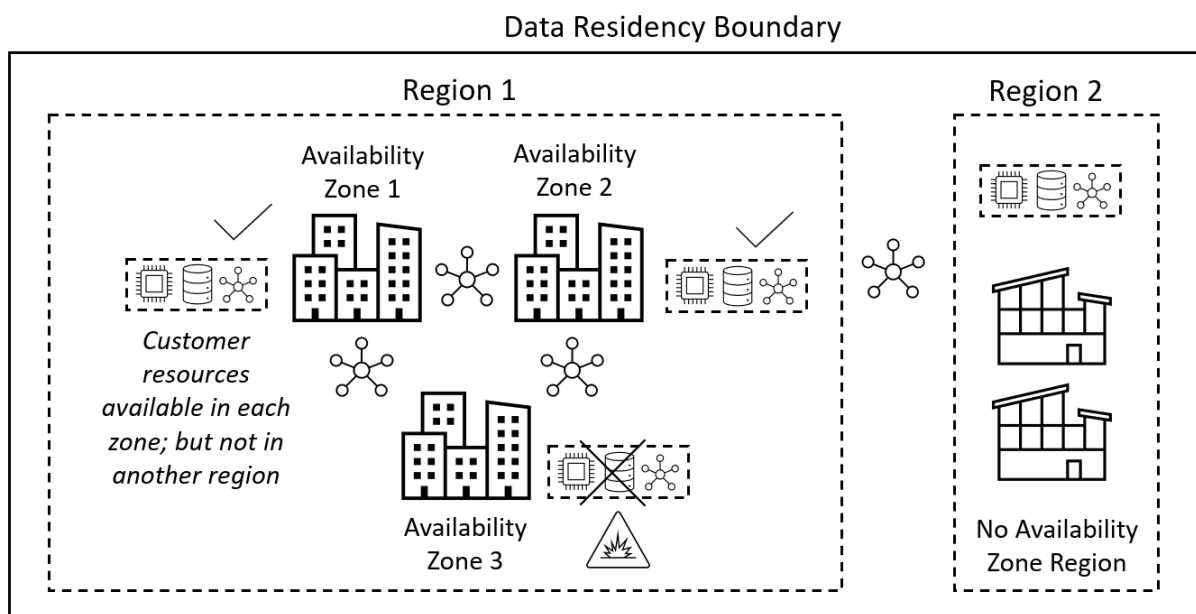


Figure 3.10 – Azure availability zones providing redundancy within a region

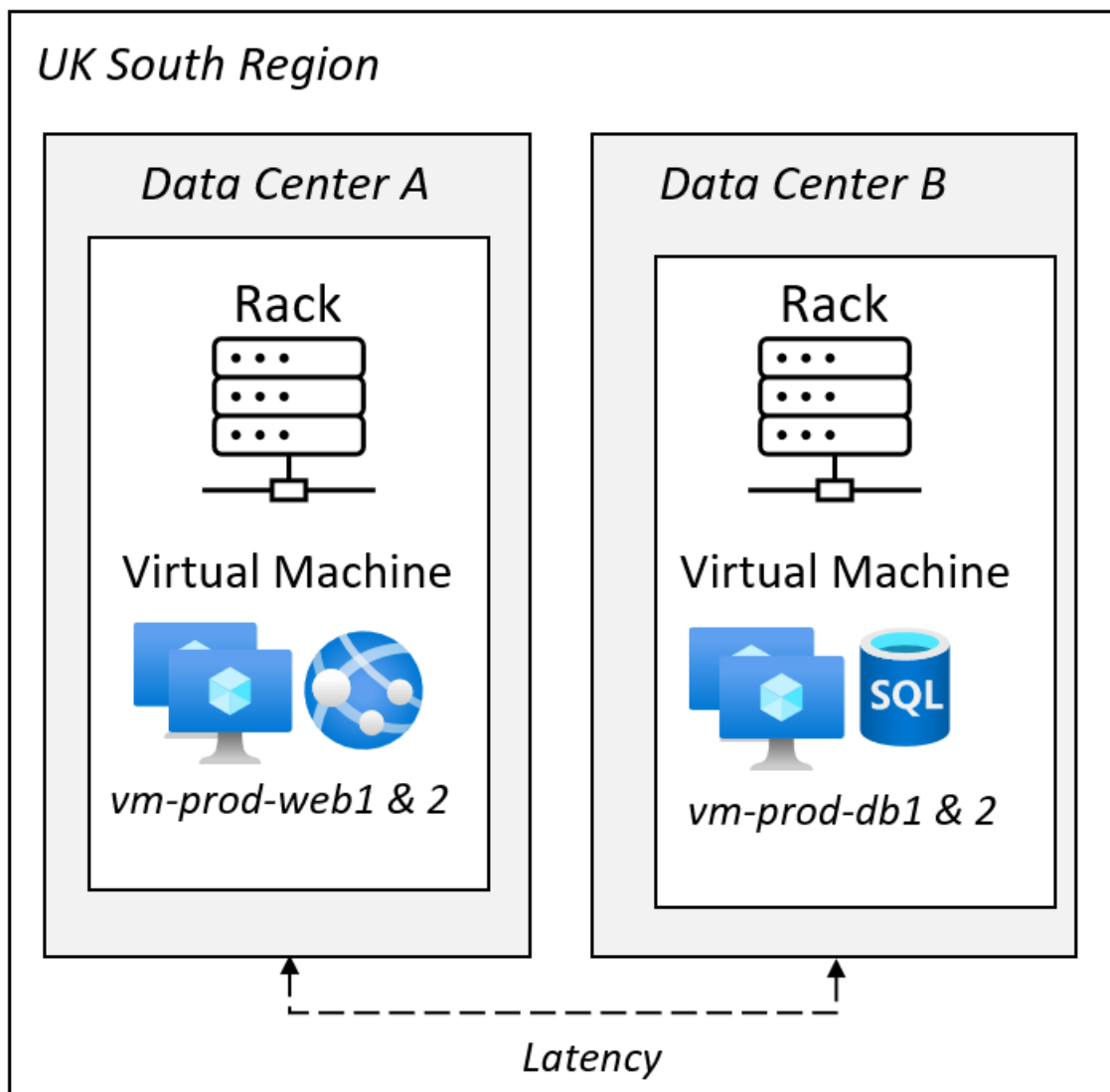


Figure 3.11 – Providing virtual machine placement without proximity placement groups in a solution

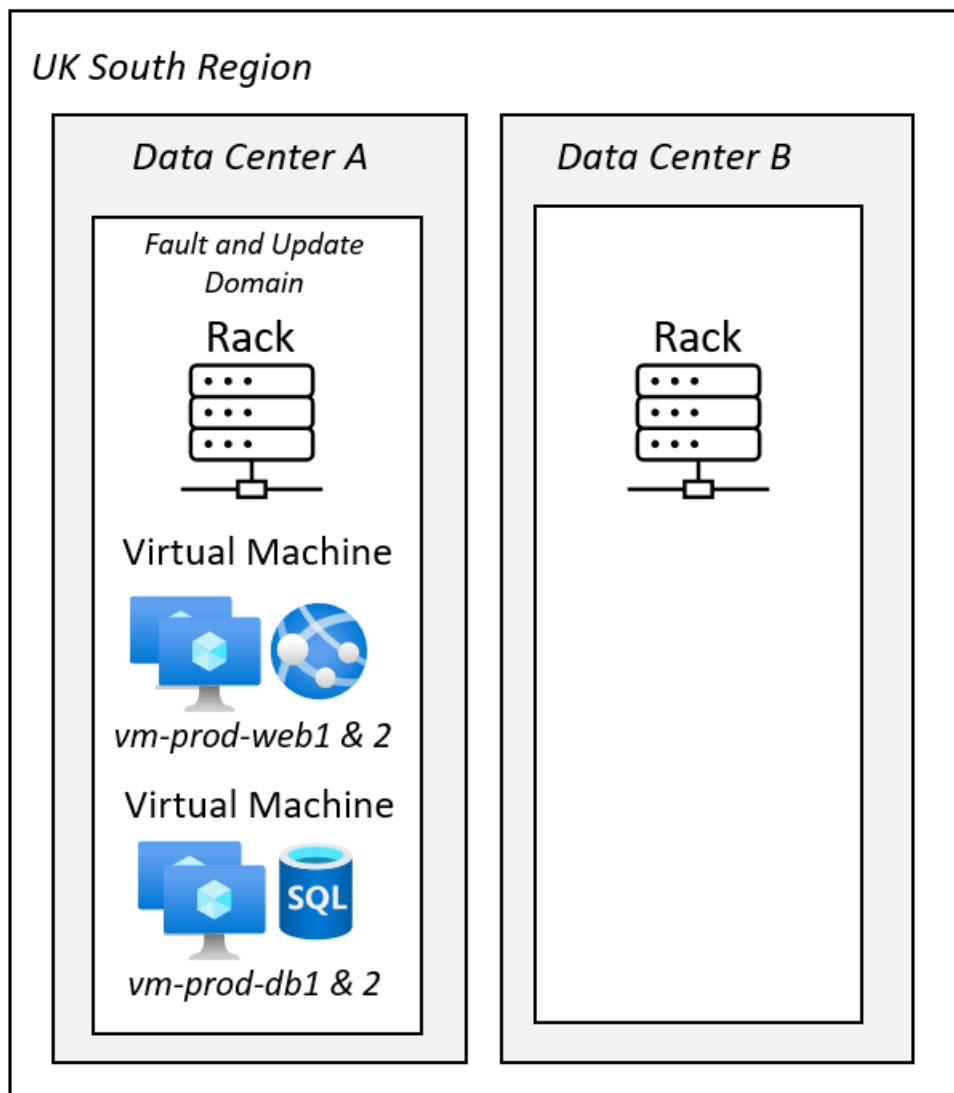


Figure 3.12 – Providing virtual machine placement with proximity placement groups in a solution

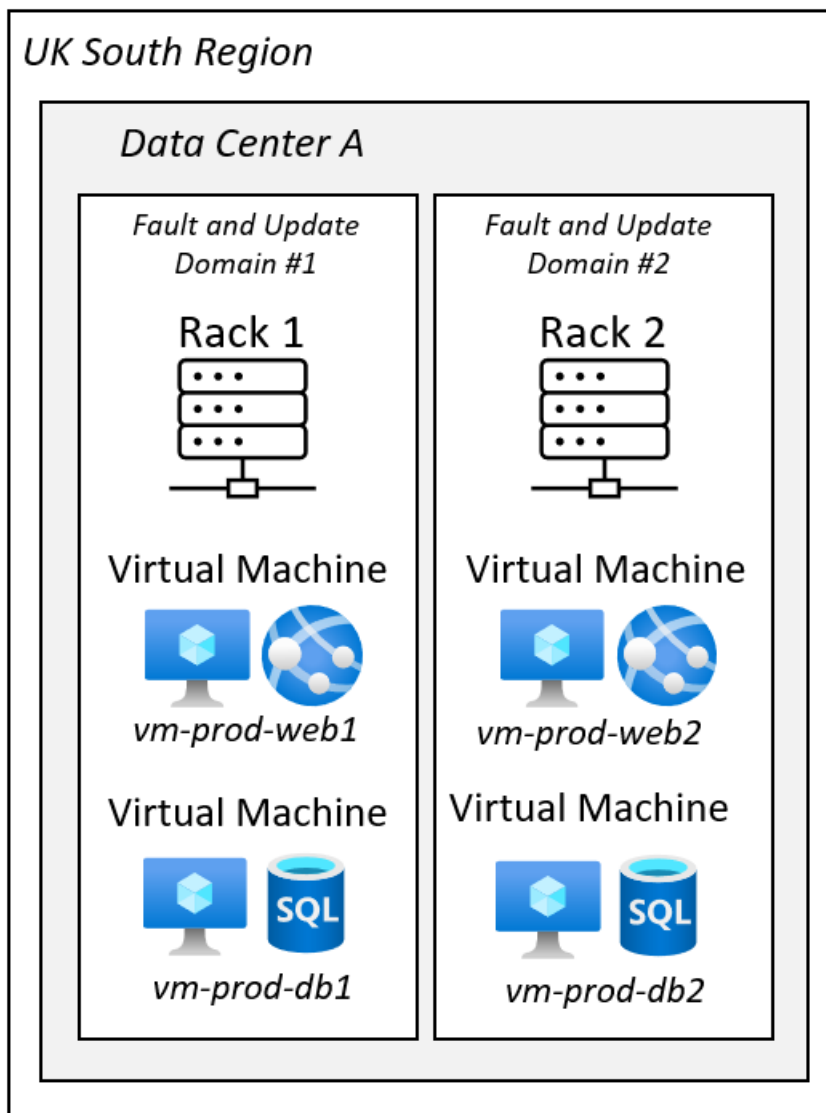


Figure 3.13 – Providing proximity placement groups and availability sets in a solution

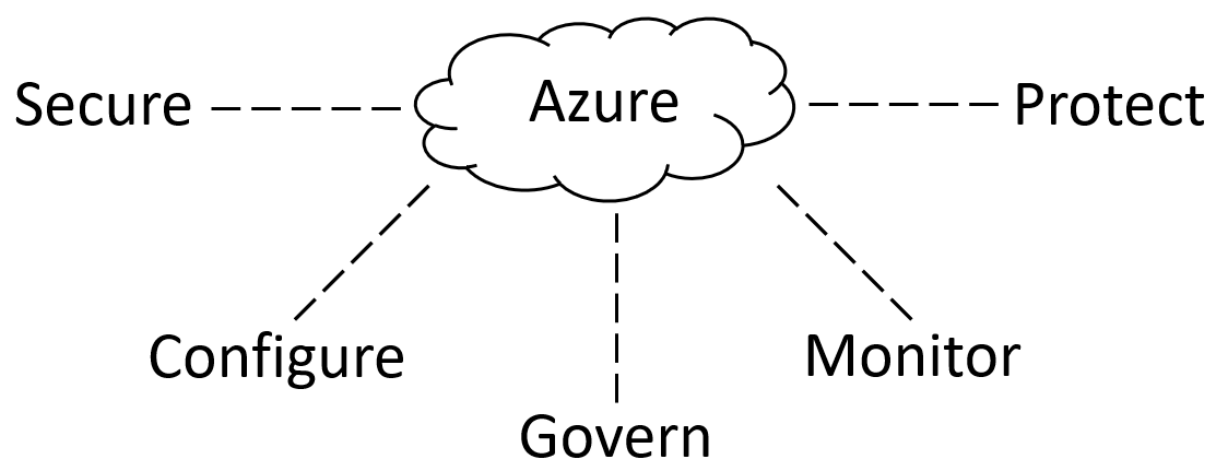


Figure 3.14 – Azure resource management

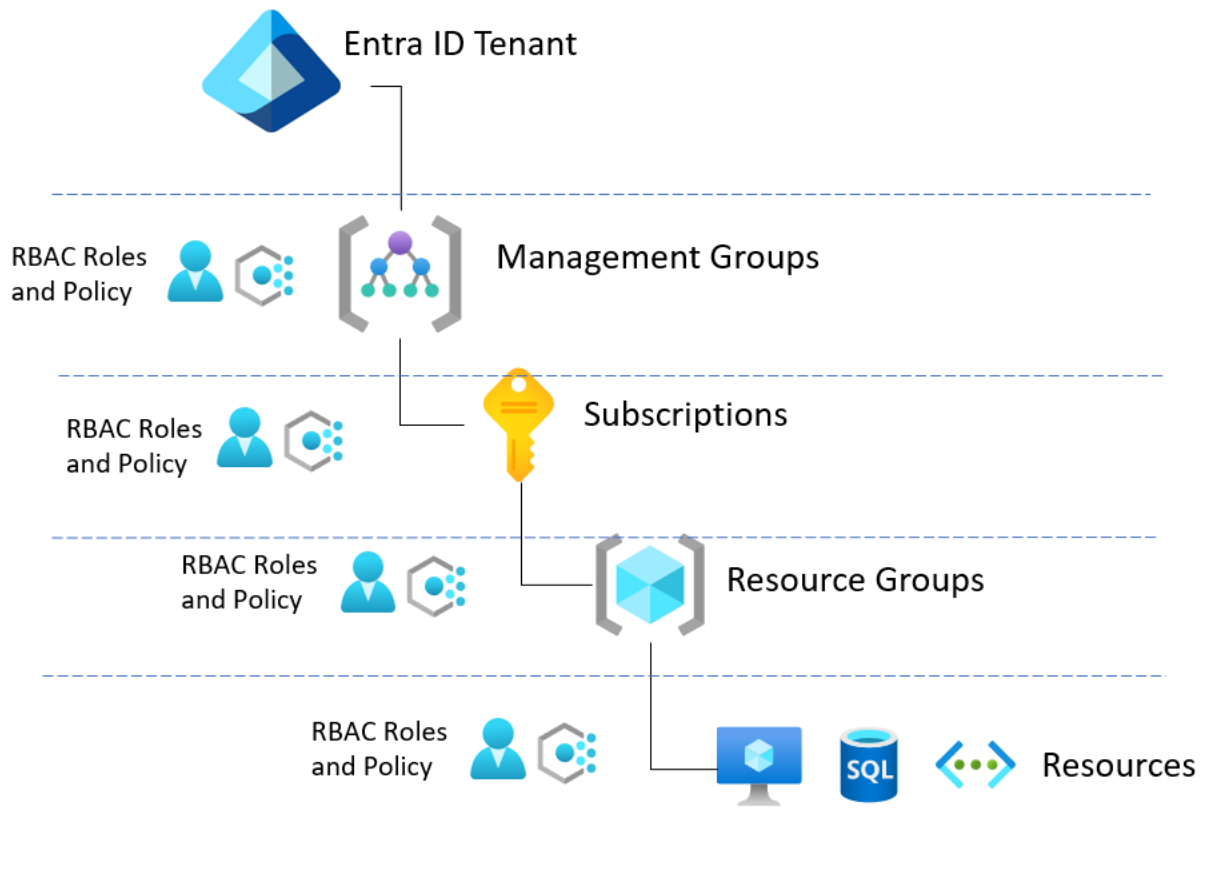


Figure 3.15 – Azure management scopes relationship

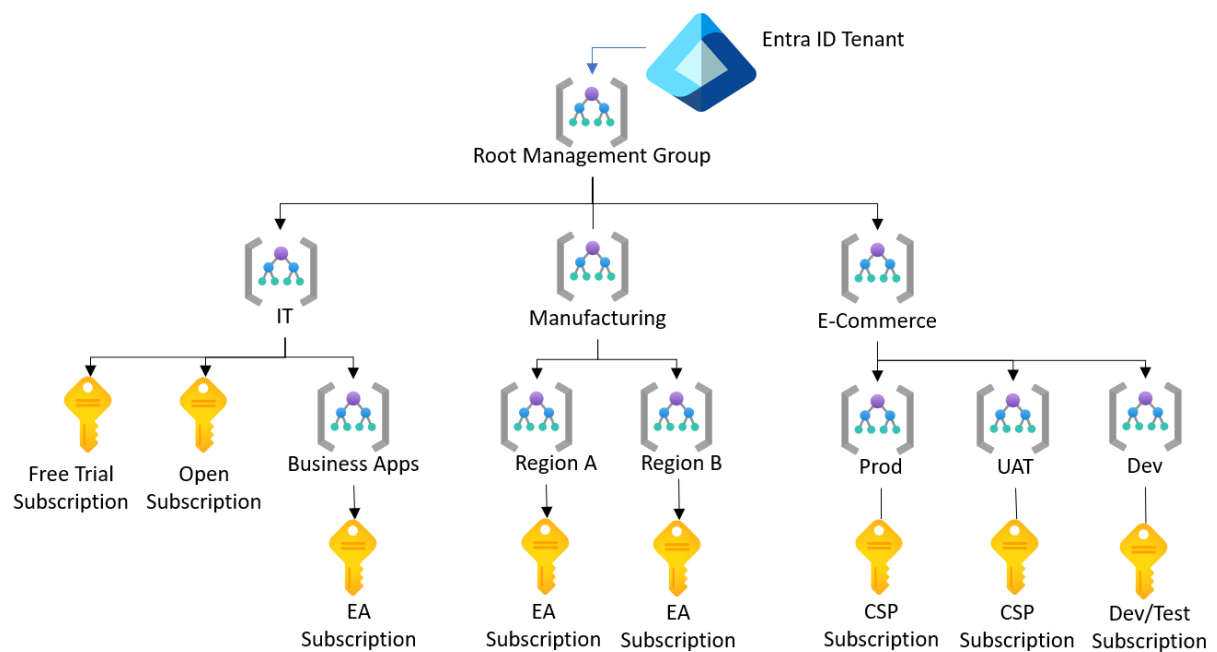


Figure 3.16 – Azure management group and subscription relationships

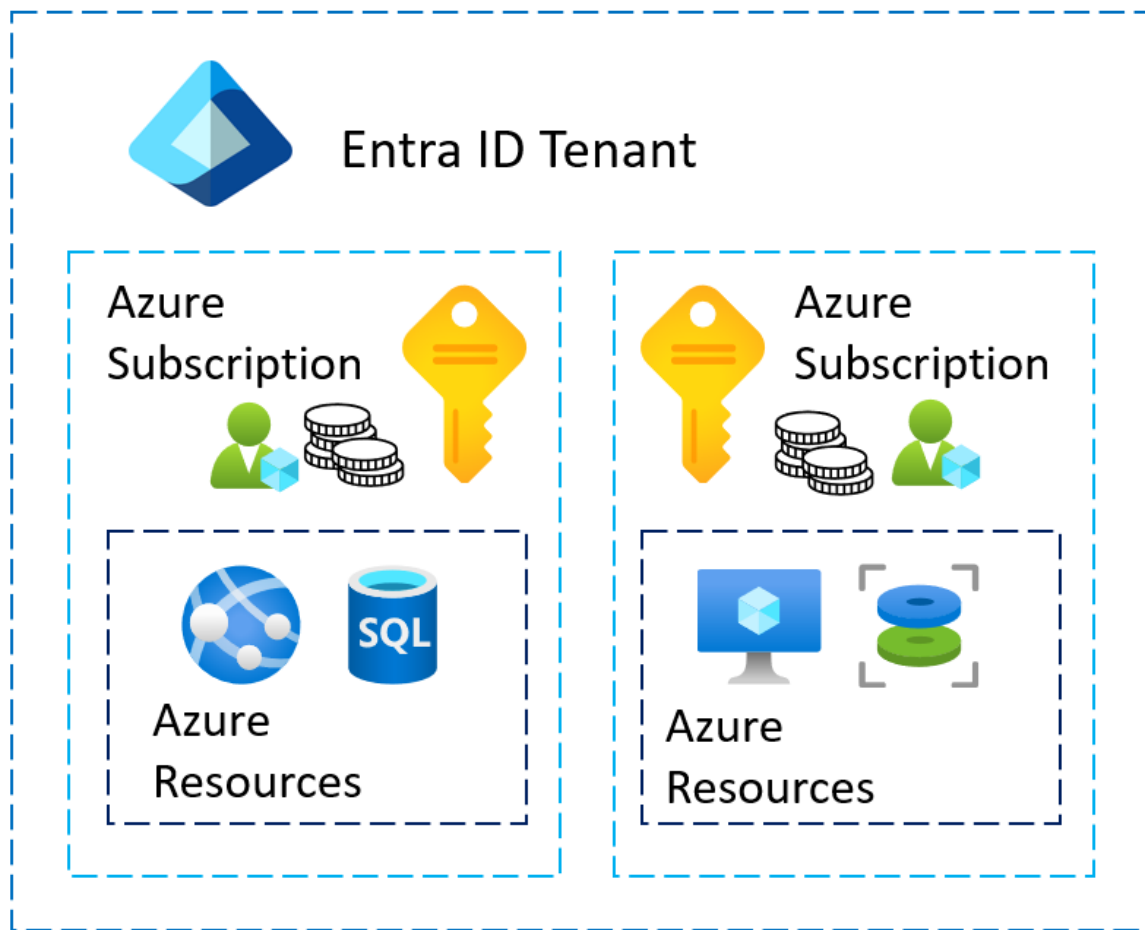


Figure 3.17 – Relationship between Azure subscriptions and resources within a tenant

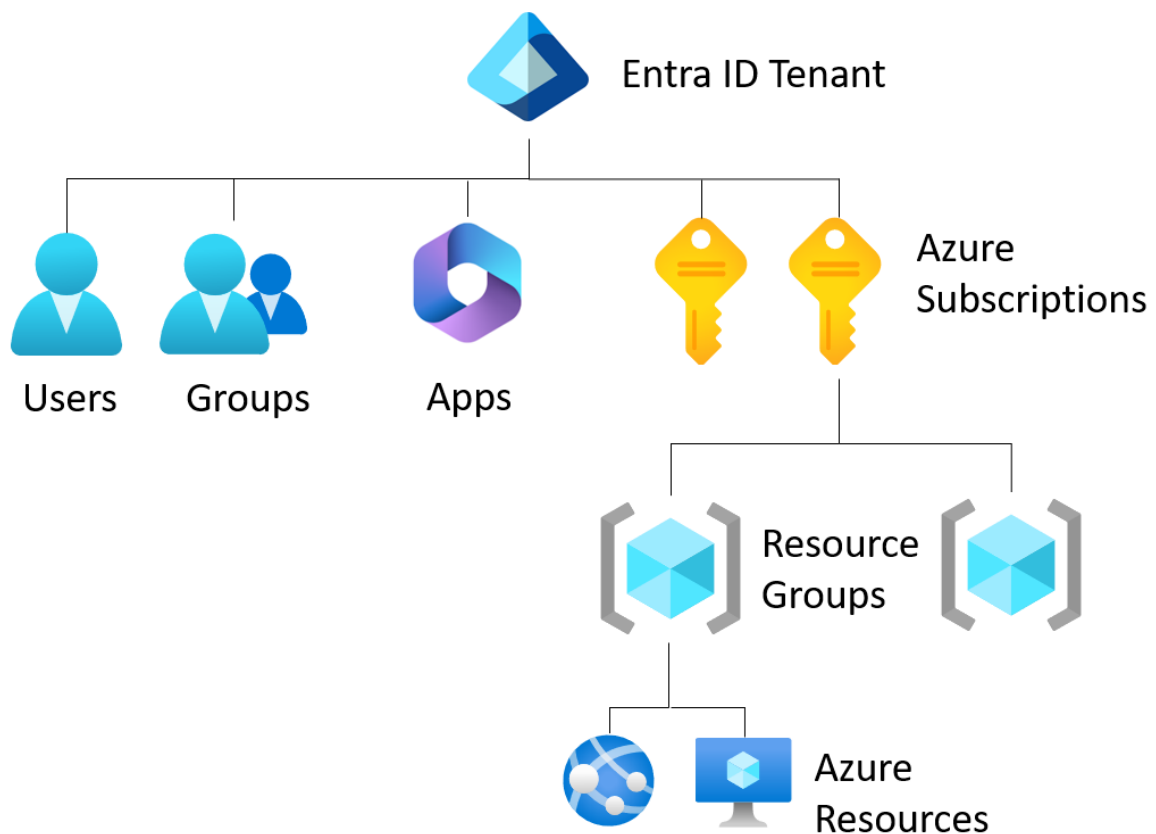


Figure 3.18 – Azure subscription and tenant relationship

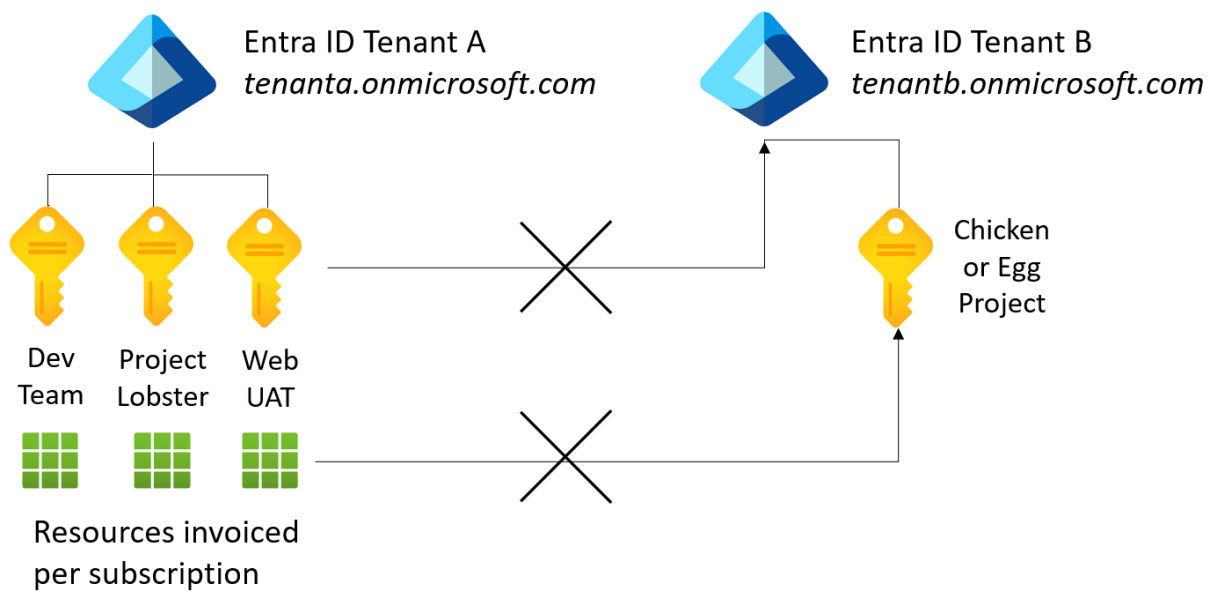


Figure 3.19 – Multiple Azure subscriptions

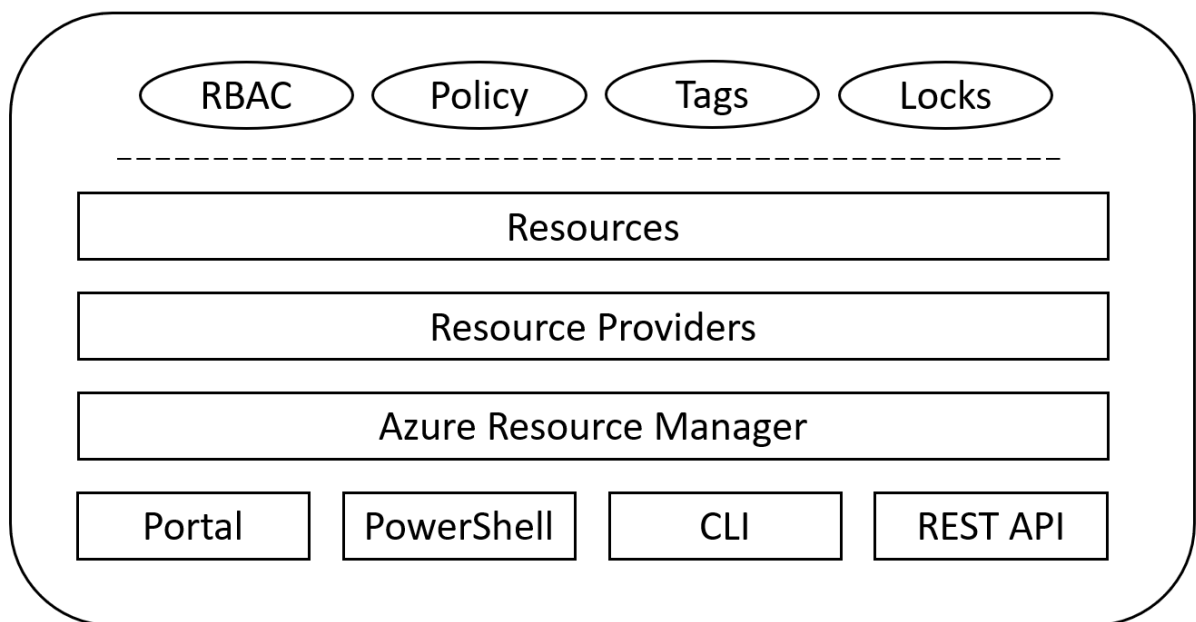


Figure 3.20 – ARM architecture showing the relationship between its

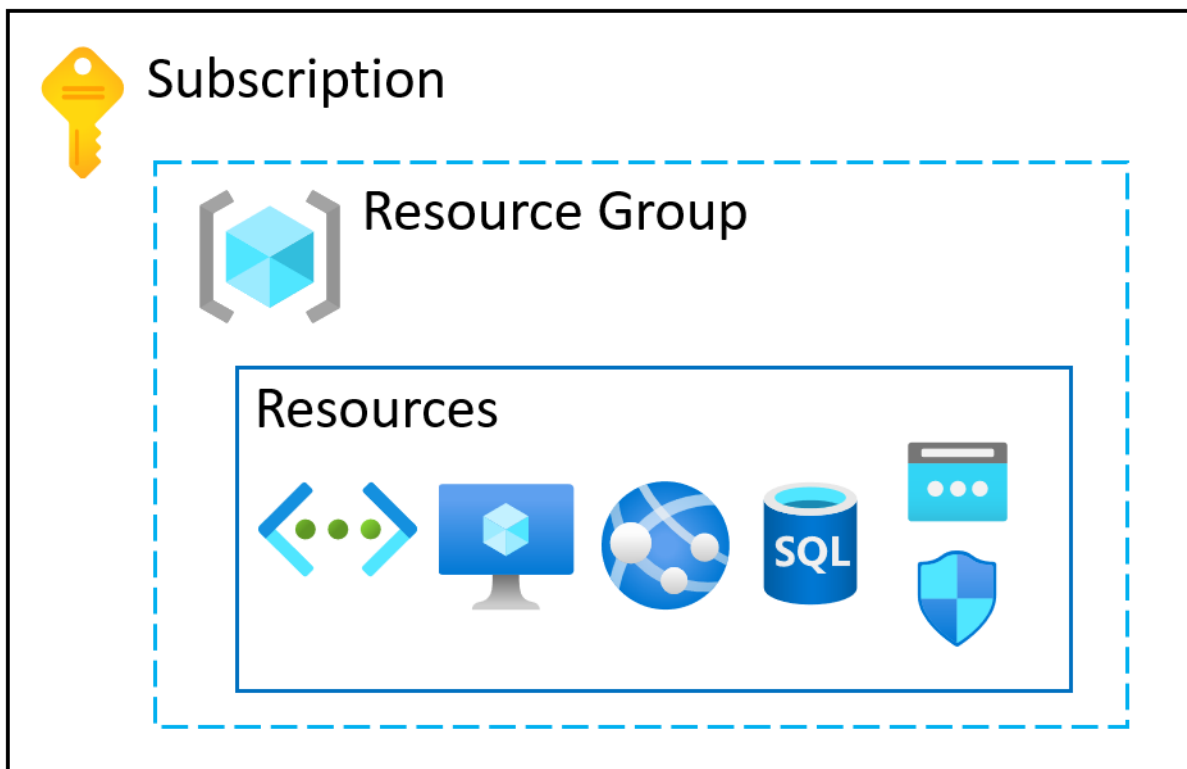


Figure 3.21 – Azure resource group relationships

group by environment

group by business unit

group by project or regions



Figure 3.22 – Azure resource group organization showing grouping methodologies

Practice Resources

DASHBOARD > CHAPTER 3

Azure Core Architectural Components

Summary

This chapter included complete coverage of the AZ-900 Azure Fundamentals exam skills area, that is, **Describe Azure architecture and services**.

In this chapter, you learned both the physical and logical aspects of the core Azure architectural components: the data centers that host the Azure platform resources, the regions they exist in, the networks connecting them, and the related aspects of availability. You now also know about Azure subscriptions and all aspects of Azure resources management, including management groups and management scopes, Azure Resource Manager, and resource groups.

The next chapter will deal with **Azure core resources** to follow Microsoft's intended guided learning path for the AZ-800 exam.

Chapter Review Questions

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Select Quiz

Quiz 1

SHOW QUIZ DETAILS

START

Figure 3.23 – Chapter Review Questions for Chapter 3

Practice Resources

DASHBOARD > AZURE SUBSCRIPTIONS

Azure Subscriptions

Book: Microsoft Azure Fundamentals Certification and Beyond - Second Edition

Progress: 0% completed

Description:

In this activity, you will work with an Azure subscription. The tasks performed in this activity align with Chapter 3.

NOTE: You can use an existing account, or you can create a free Azure account from this URL: <https://azure.microsoft.com/free/>.

Tasks

START

Task No	Task	Status	Open	Mark as Complete
1	REQUIREMENTS <i>Important</i>	Not Started	OPEN REQUIREMENTS	<input type="checkbox"/>
2	Task 1	Not Started	OPEN TASK	<input type="checkbox"/>

Figure 3.25: Tasks in Azure Subscriptions activity

Chapter 4: Azure Core Resources

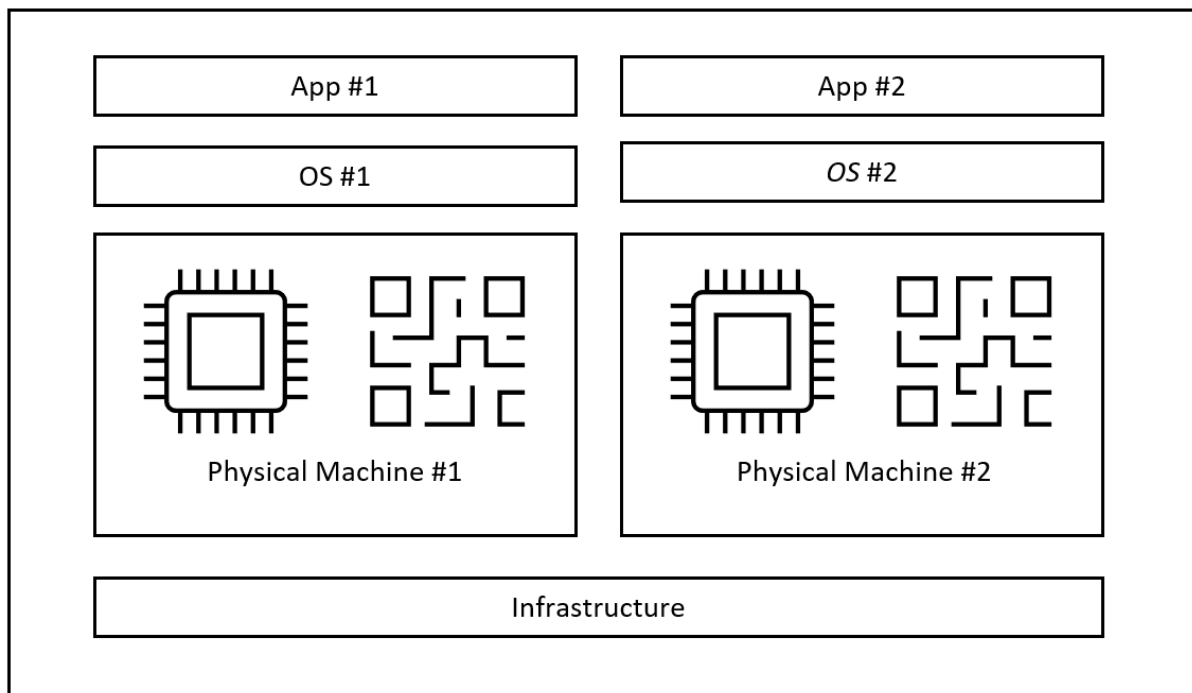


Figure 4.1 – Traditional approach supporting a single app per physical machine

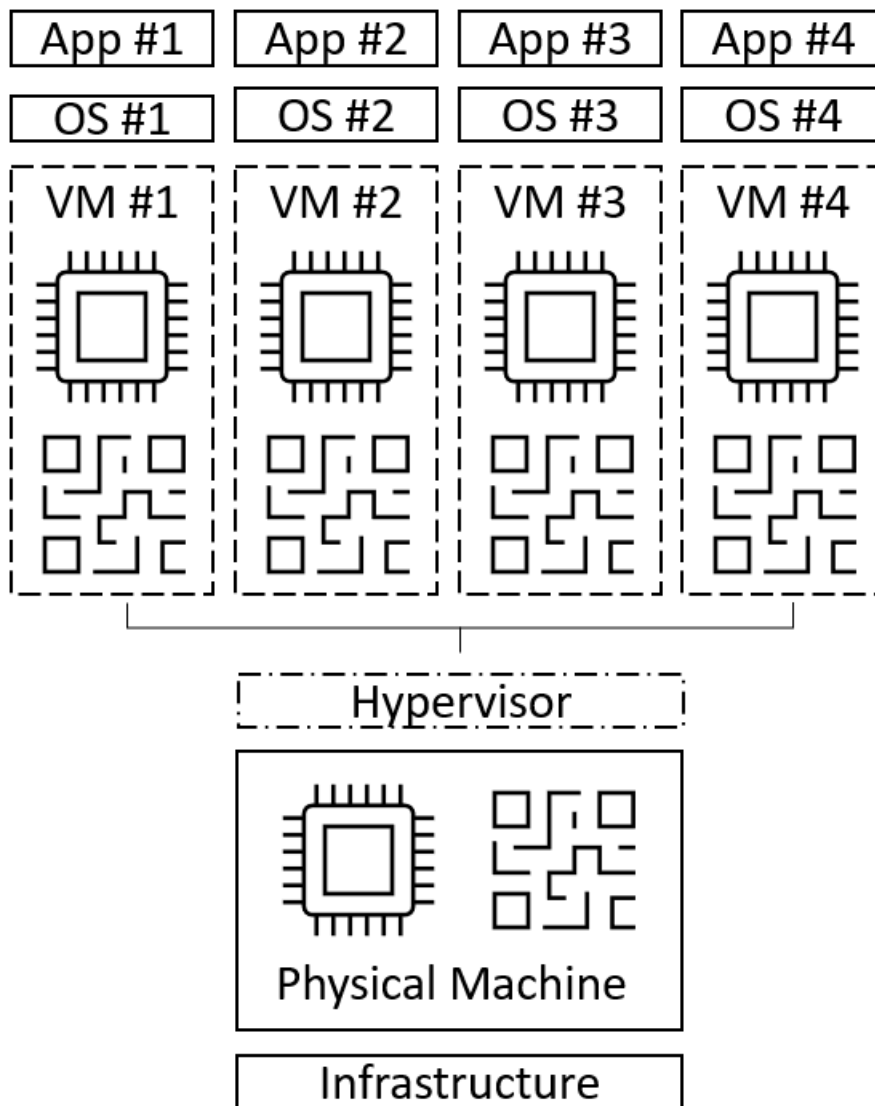


Figure 4.2 – Virtualization approach supporting multiple apps per physical machine

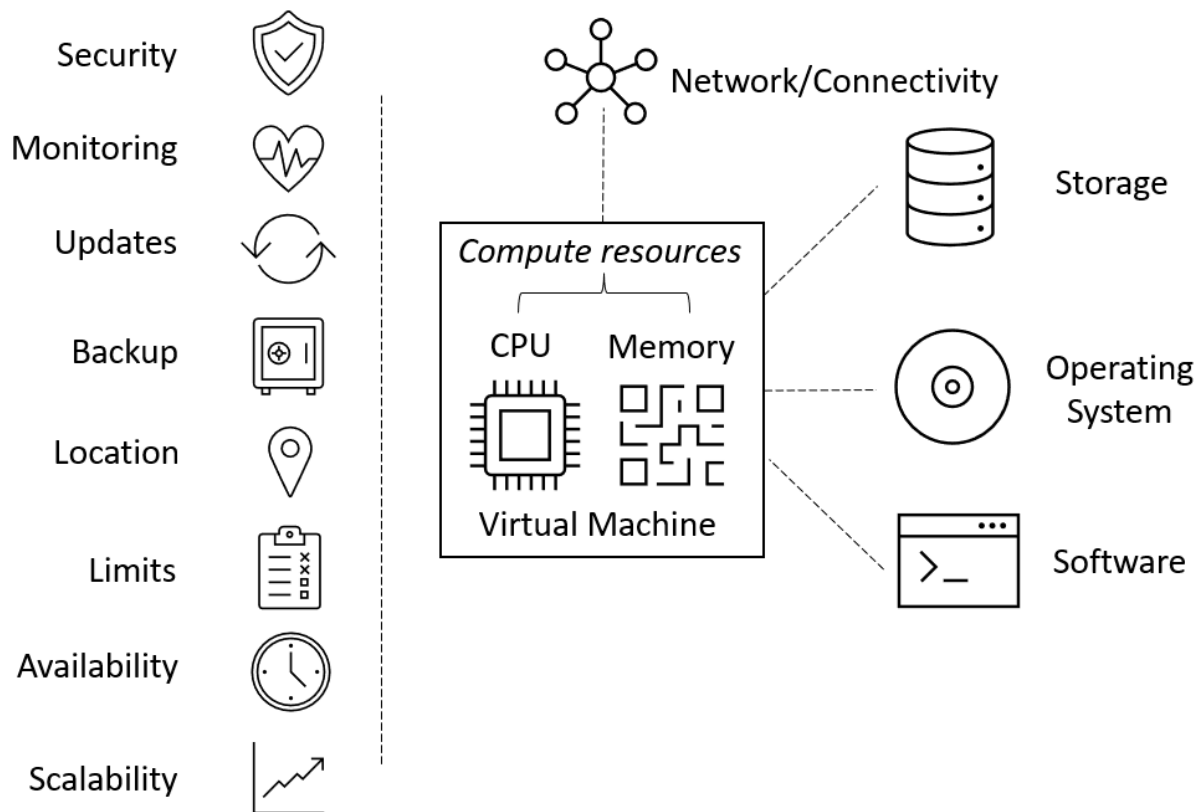


Figure 4.3 – VM components and considerations

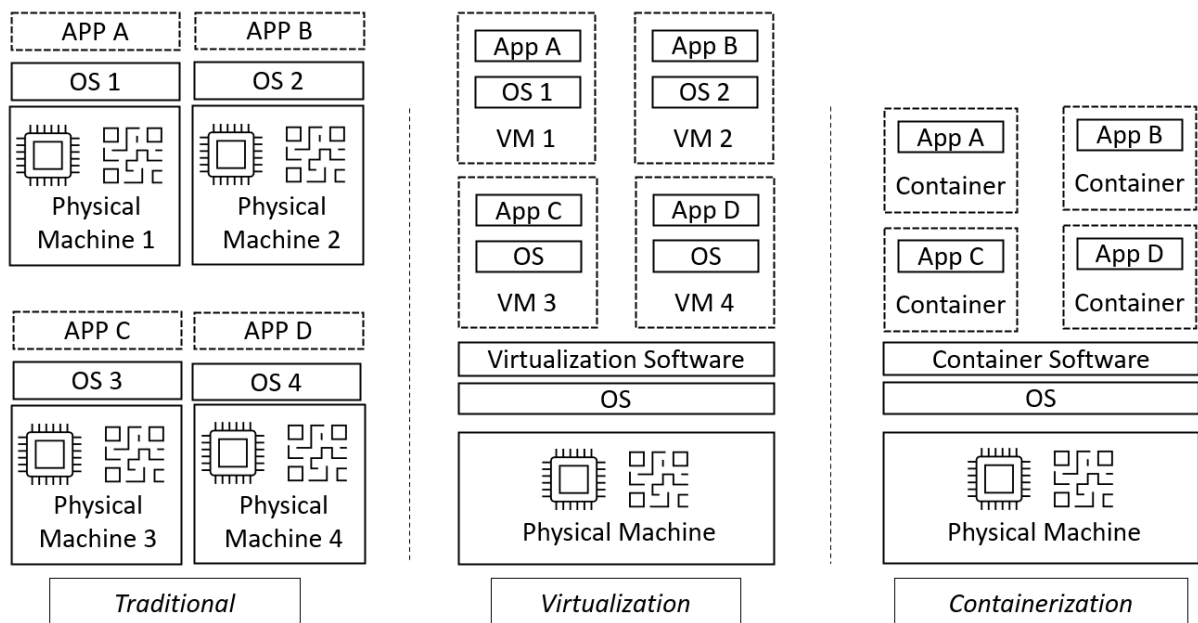


Figure 4.4 – Concept differences in traditional versus virtualization versus containerization

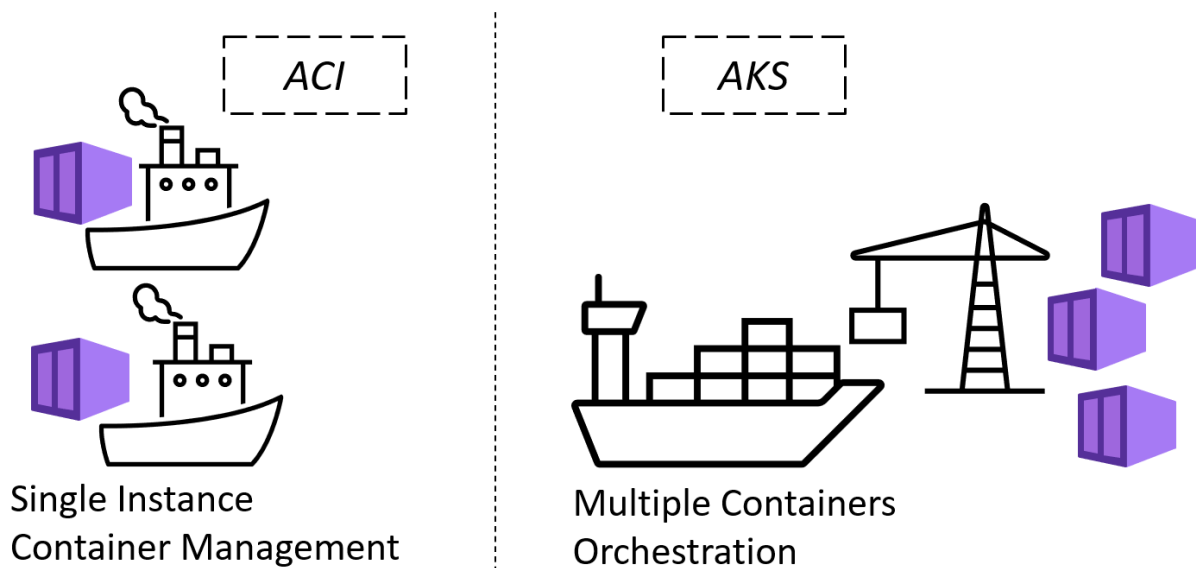


Figure 4.5 – ACI versus AKS for containerization compute services

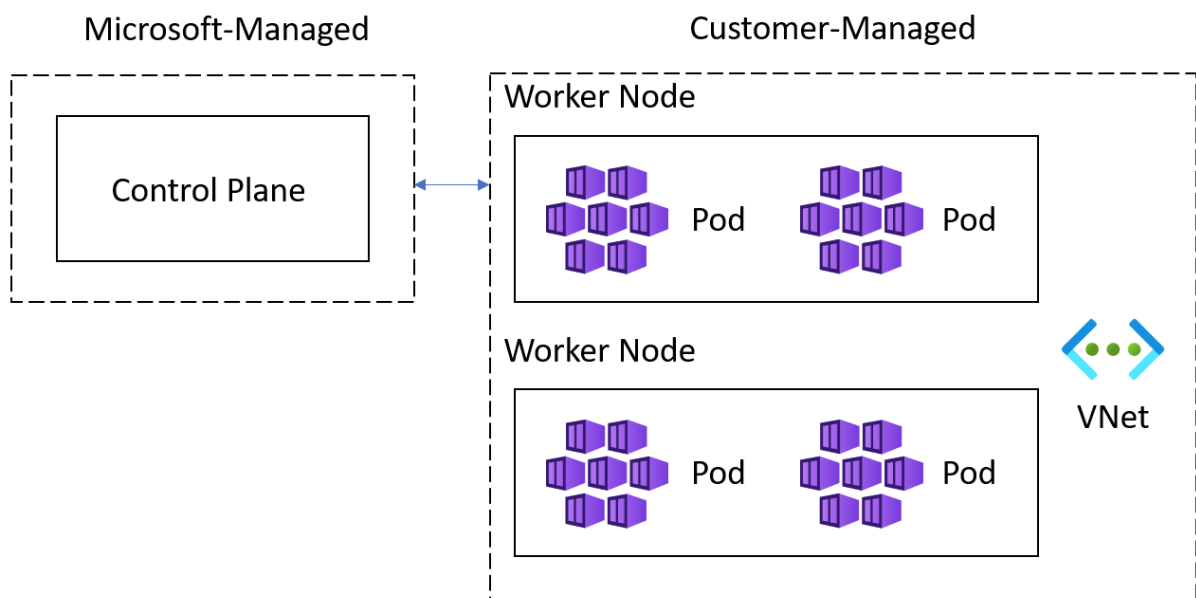


Figure 4.6 – AKS high-level service architecture showing Microsoft's responsibilities versus the customer-managed components

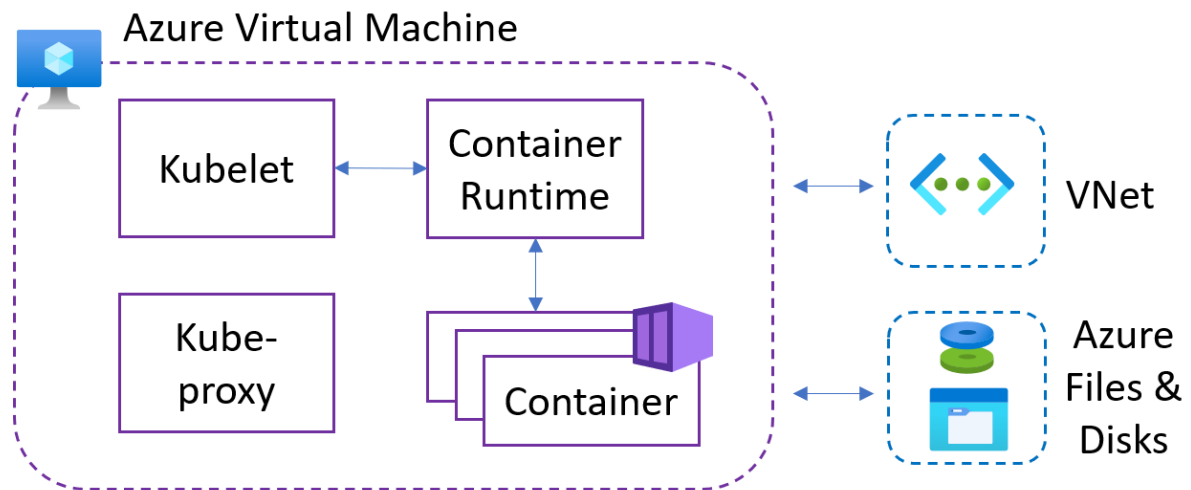


Figure 4.7 – Worker node high-level service architecture

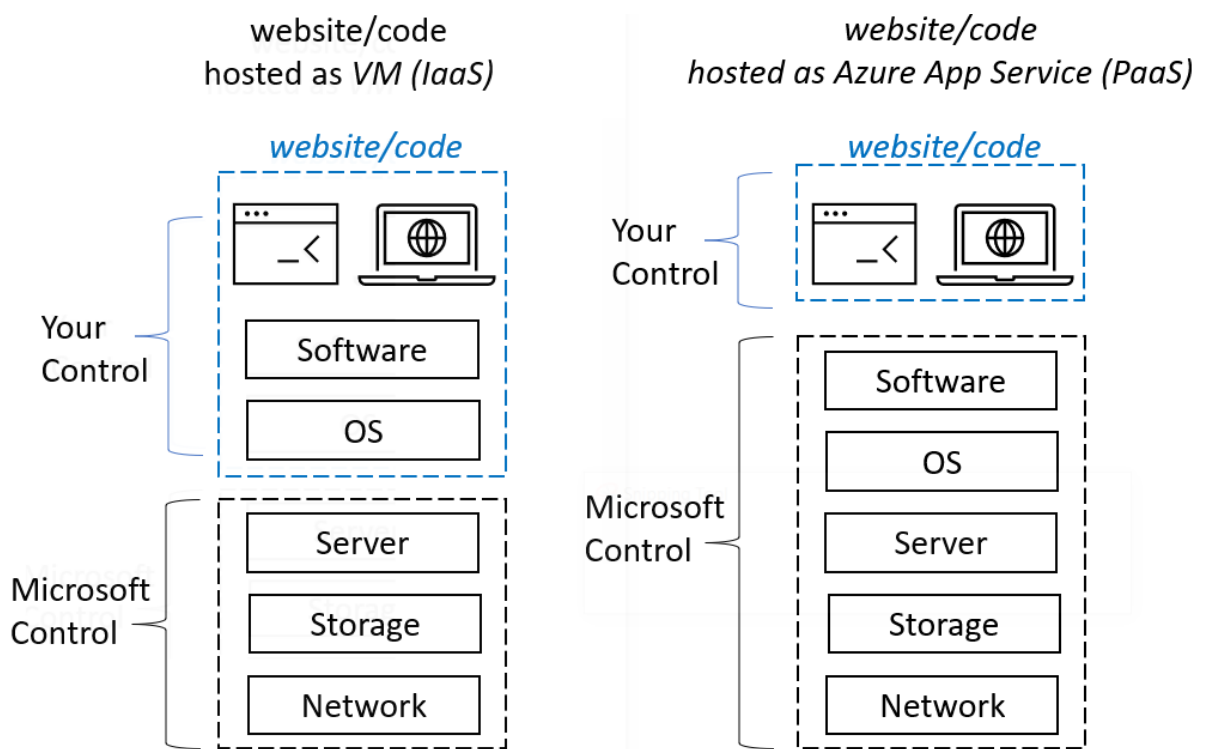


Figure 4.8 – IaaS hosting with Azure VM versus PaaS hosting with Azure App Service]

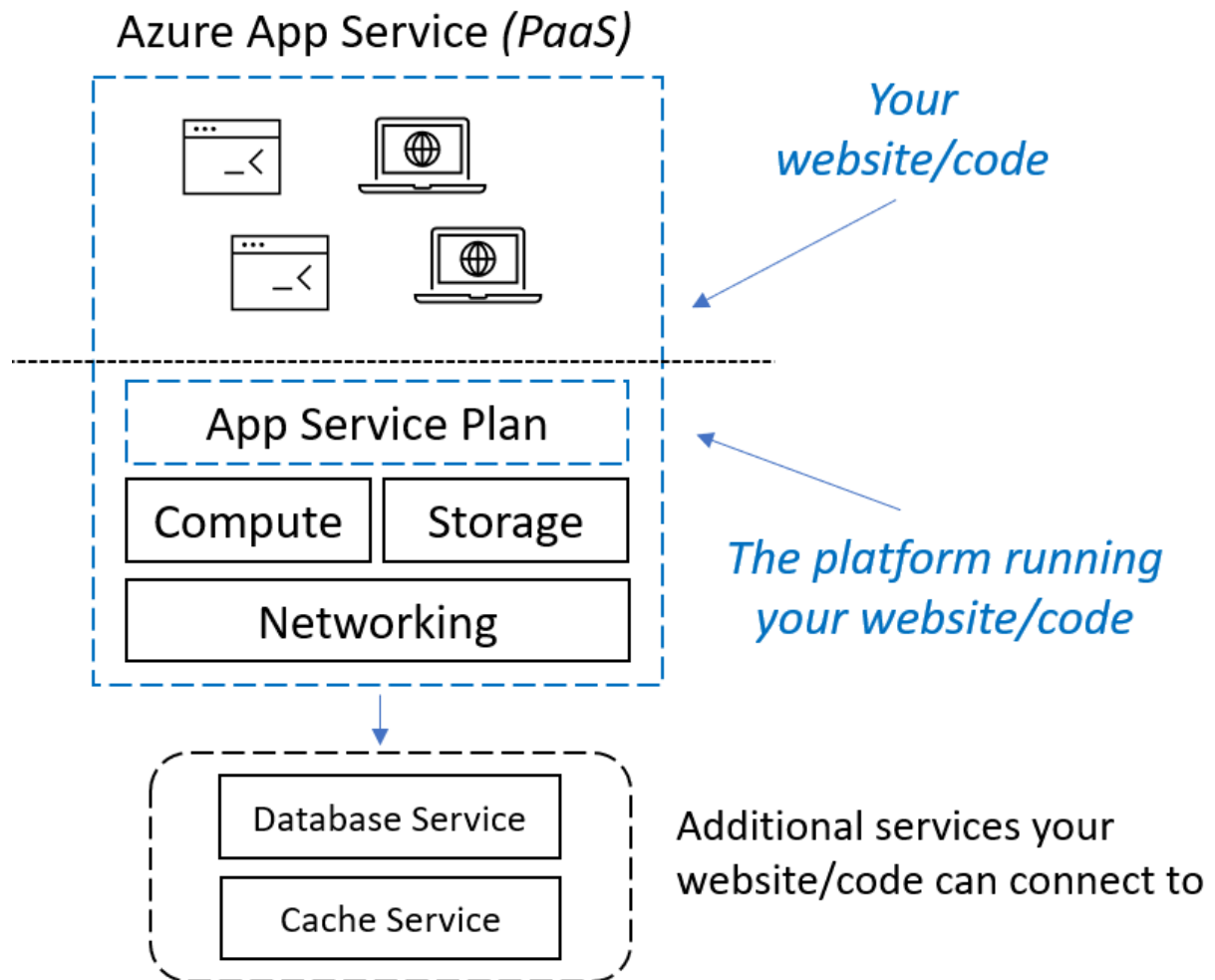


Figure 4.9 – Azure App Service plan components relationship

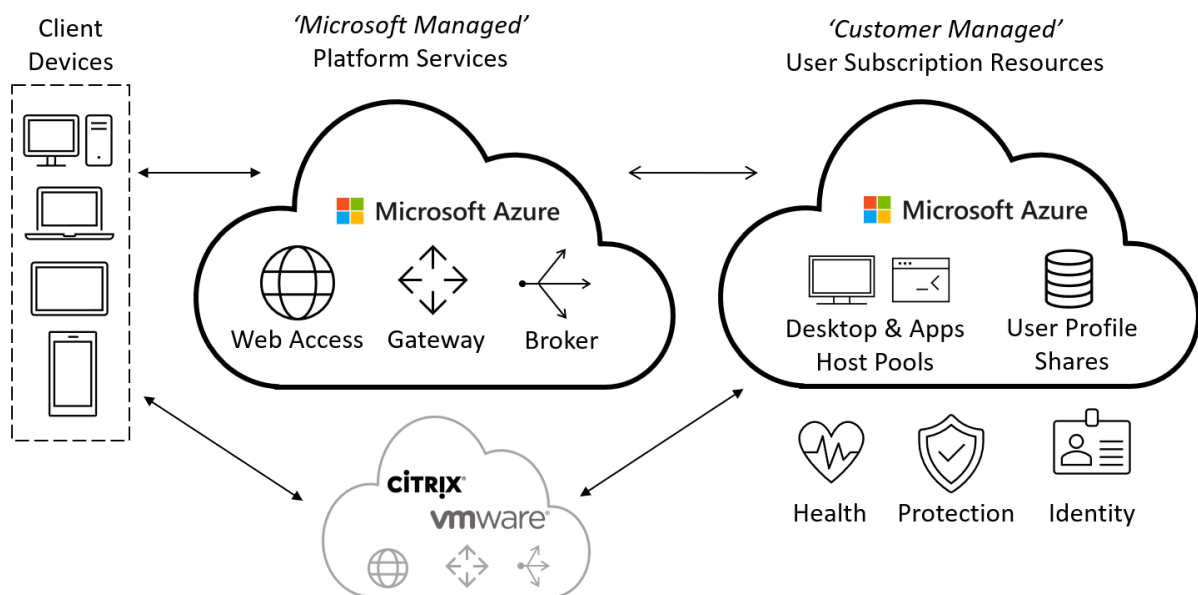


Figure 4.10 – Azure Virtual Desktop service providing access from virtually anywhere

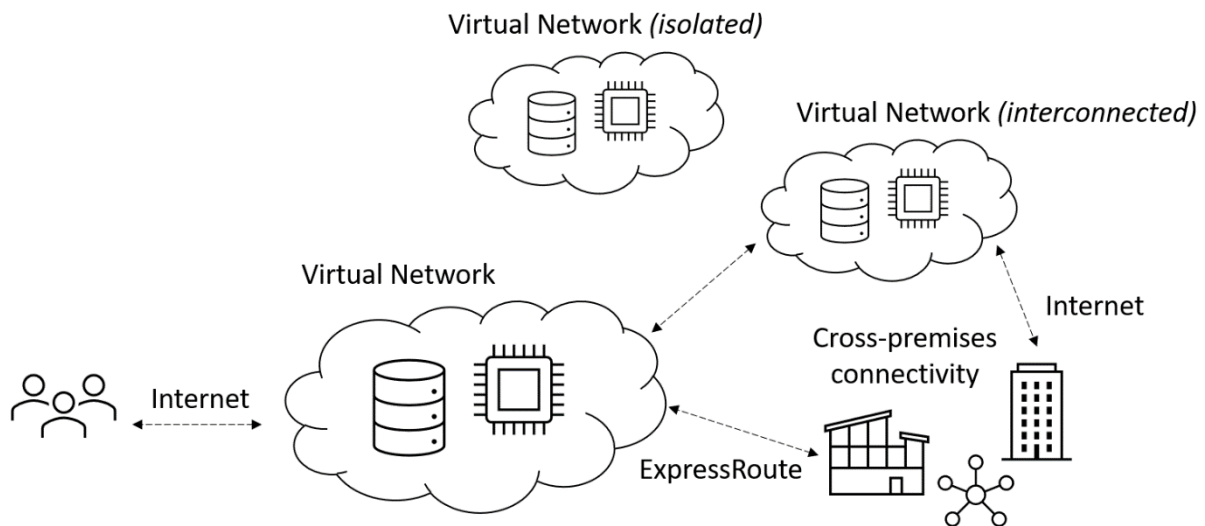


Figure 4.11 – Azure virtual networks schema showing communication between resources

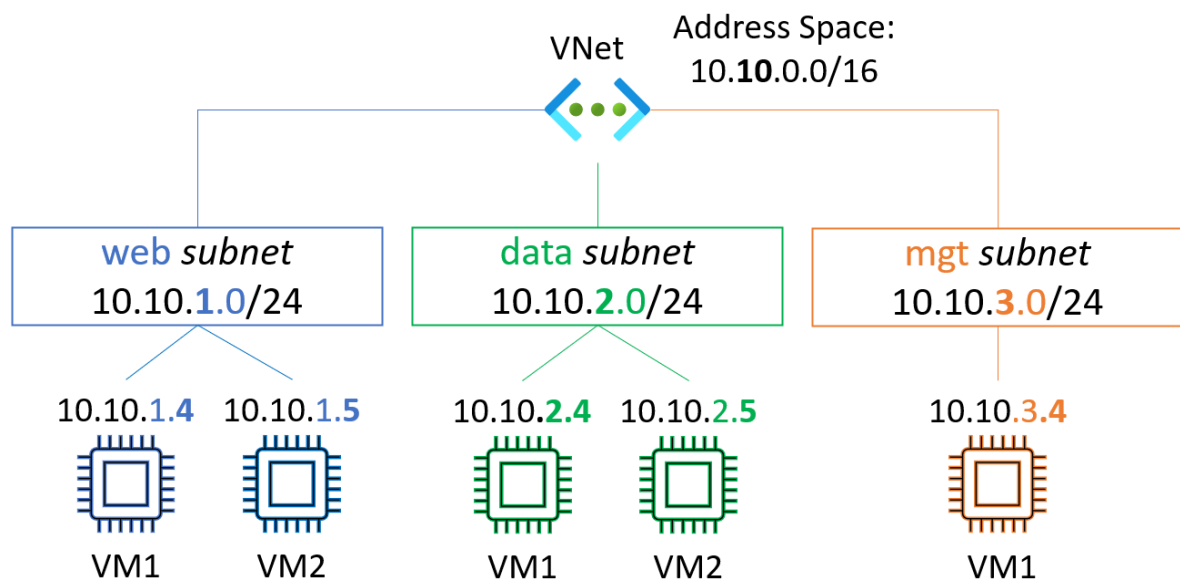


Figure 4.12 – The concept of segmenting a VNet into subnets

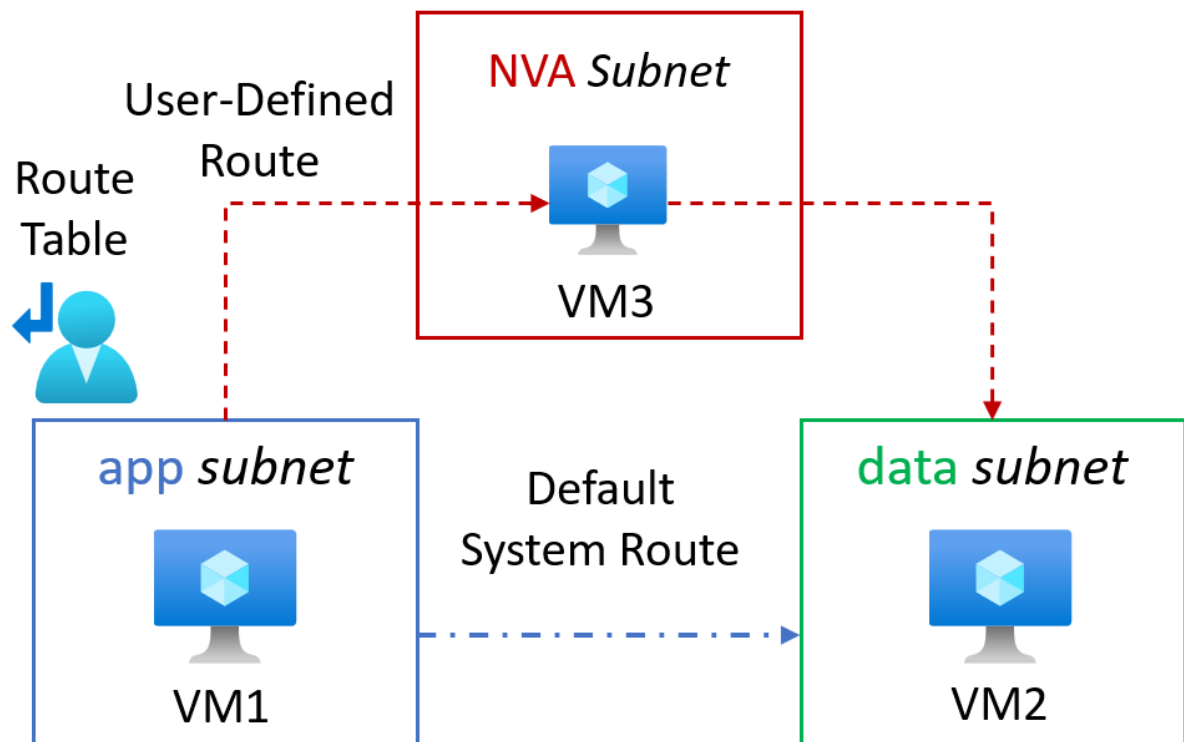


Figure 4.13 – VNet showing internal routing and segmentation through the use of an NVA

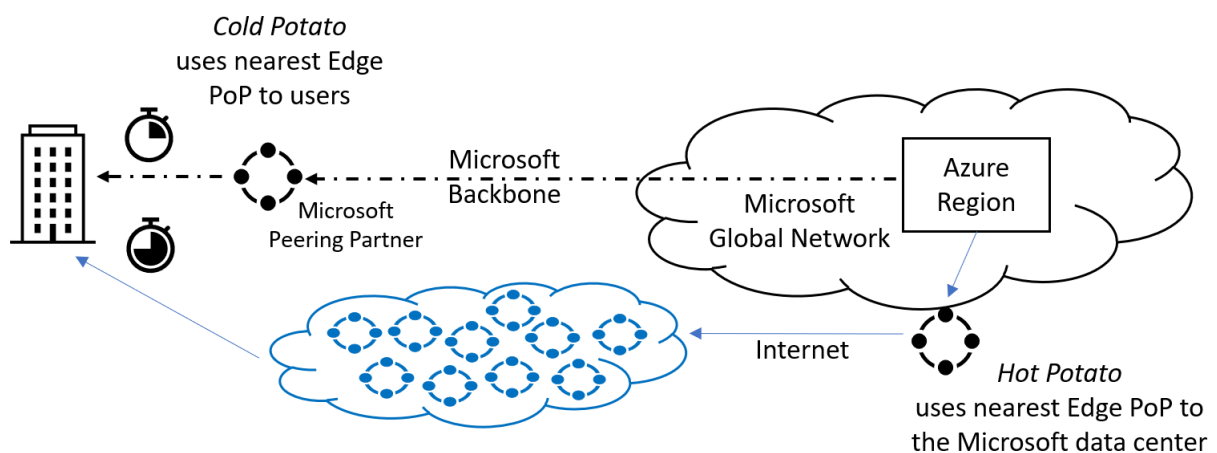


Figure 4.14 – Hot- versus cold-potato routing to carry traffic to its destination

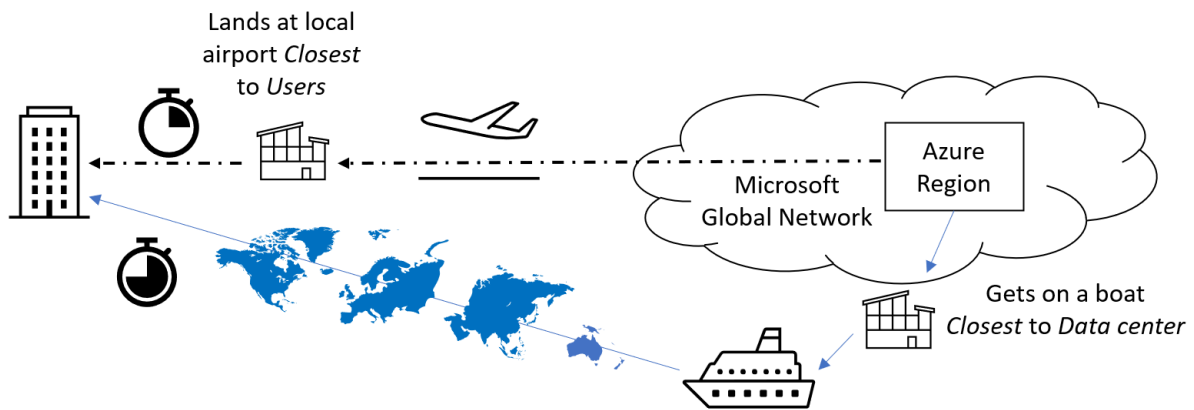
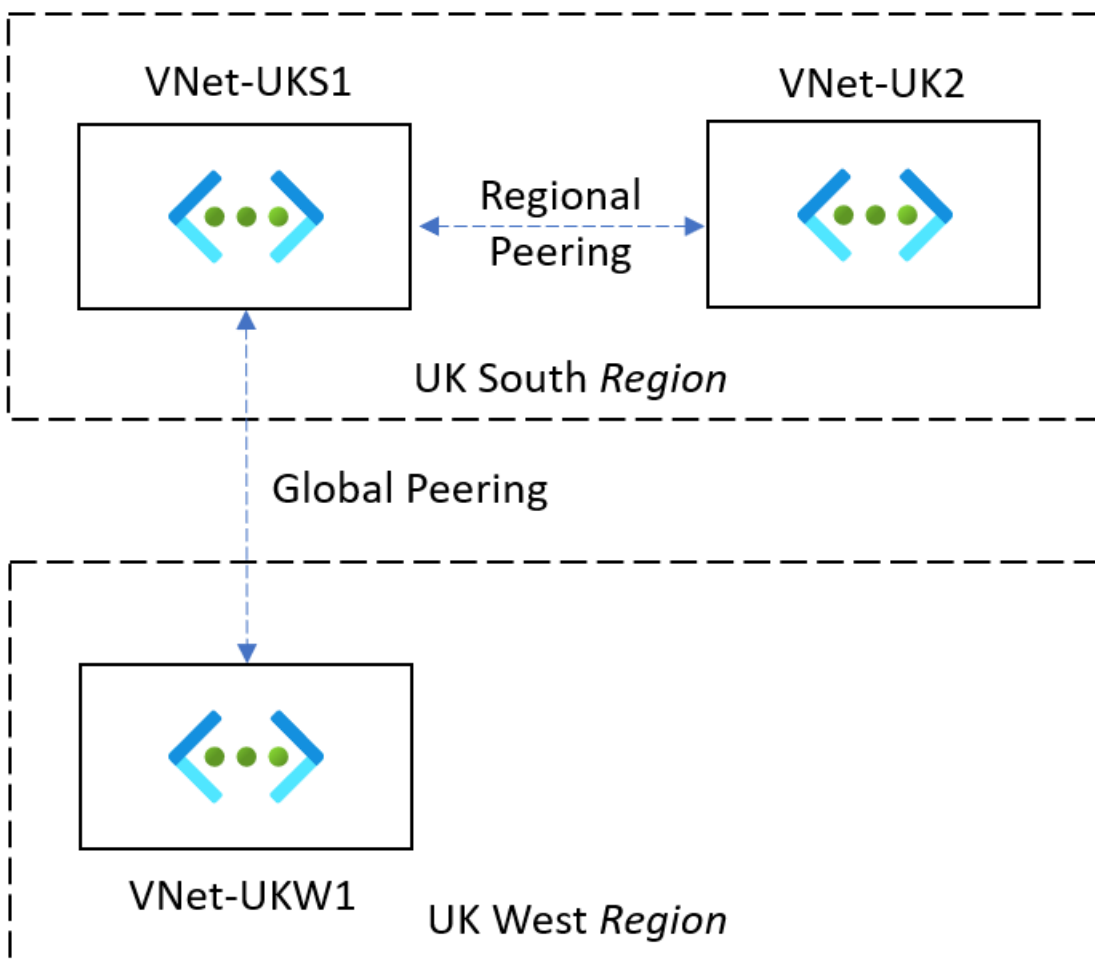


Figure 4.15 – Air travel versus shipping routes—similar to hot- versus cold-potato routing

VNet Peering (Regional)



VNet Peering (Global)

Figure 4.16 – Inter-VNet connectivity shown using peering

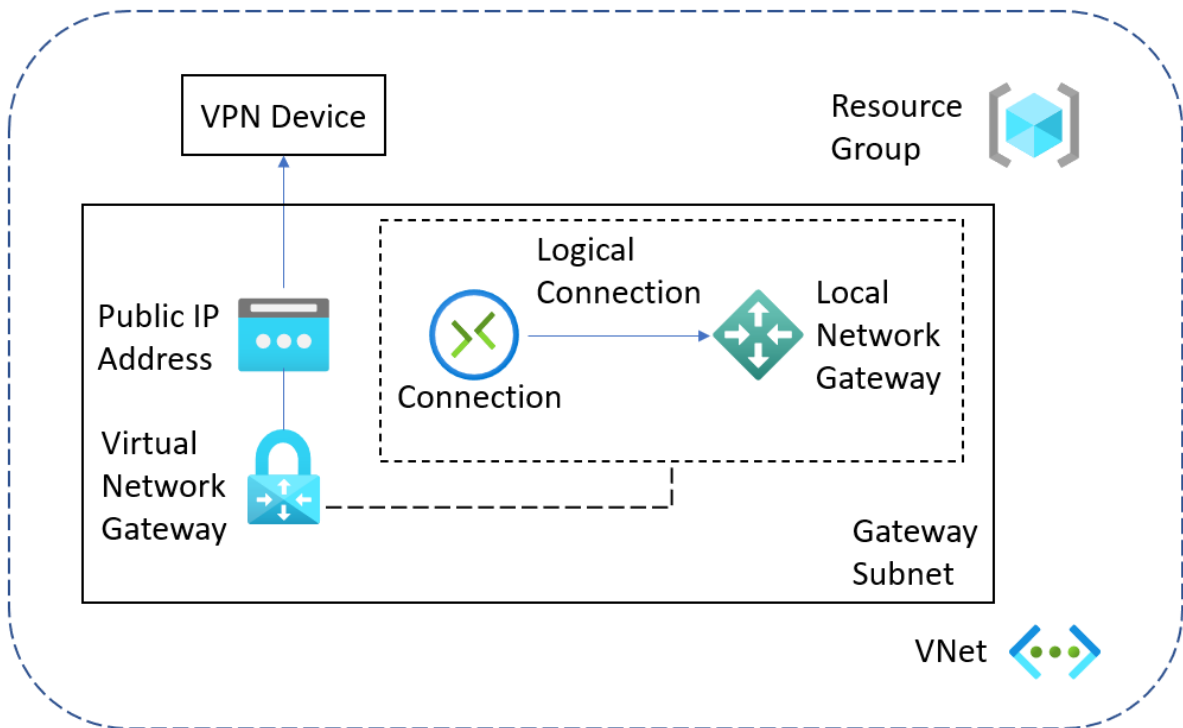


Figure 4.17 – VPN gateway resources allowing encrypted traffic to be sent through secure connections

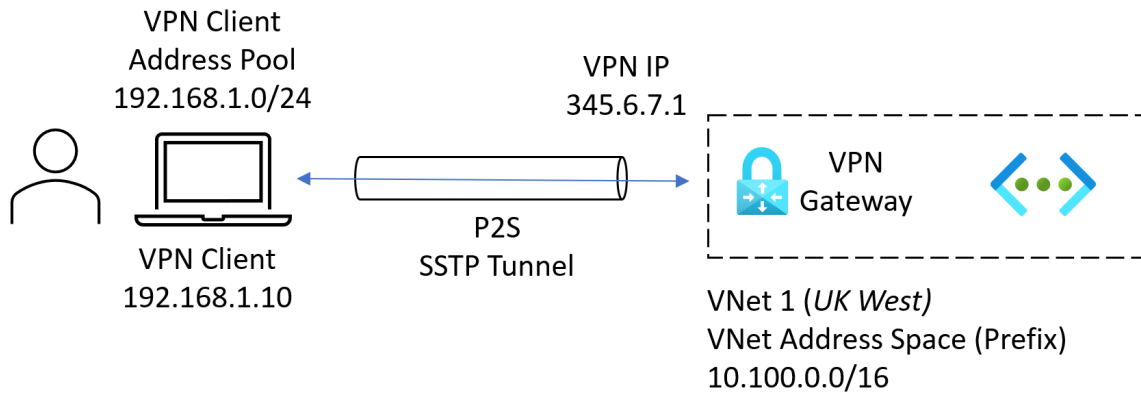


Figure 4.18 – Point-to-Site VPN

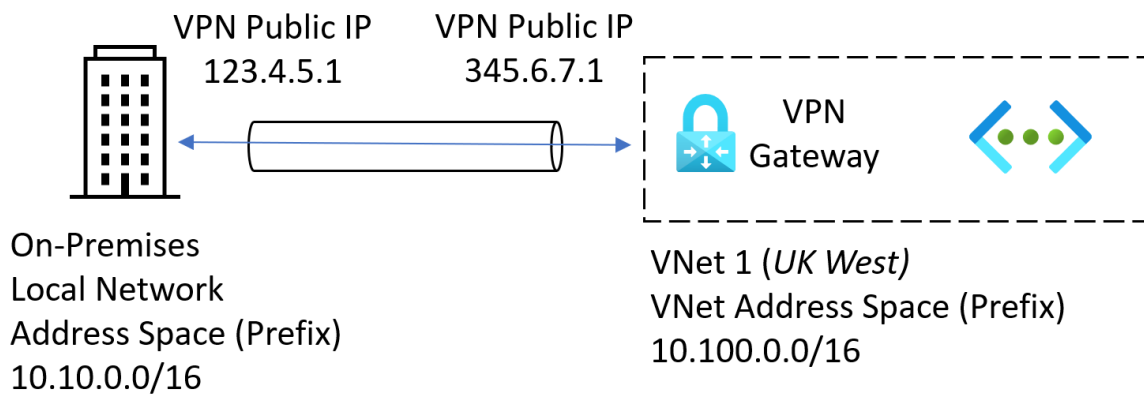


Figure 4.19 – Site-to-Site VPN

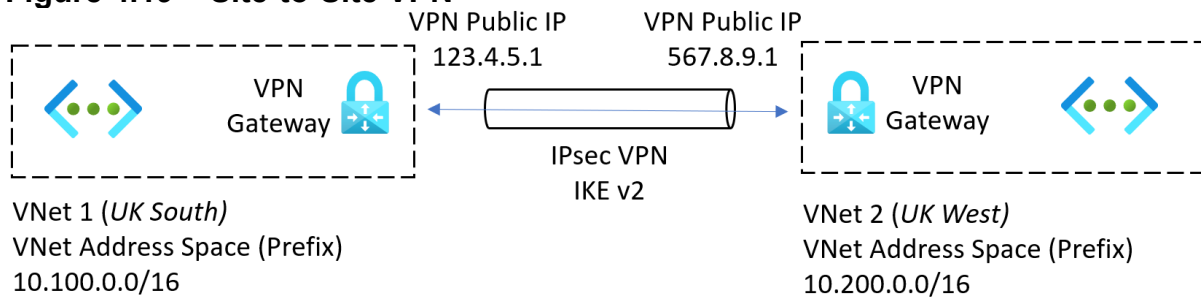


Figure 4.20 – VNet-to-VNet VPN

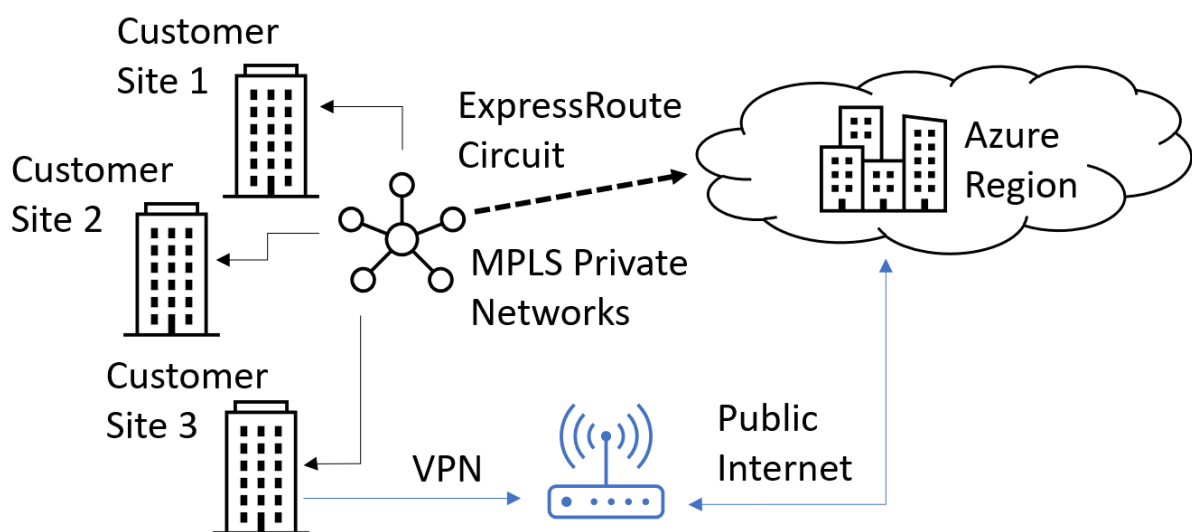


Figure 4.21 – ExpressRoute showing the connection for cross-premises to Azure resources

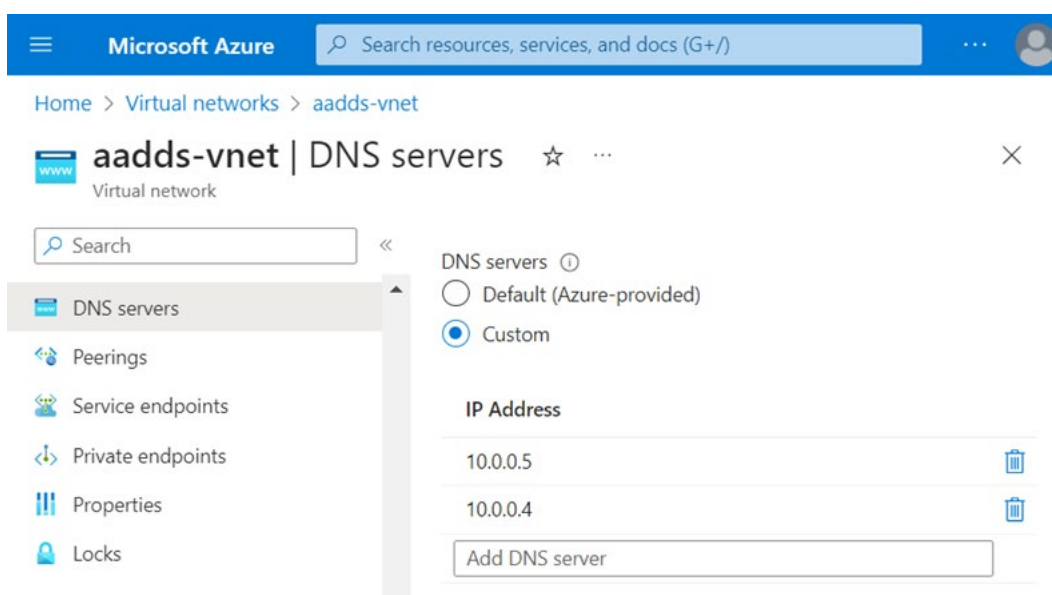


Figure 4.22 – Custom DNS server setting

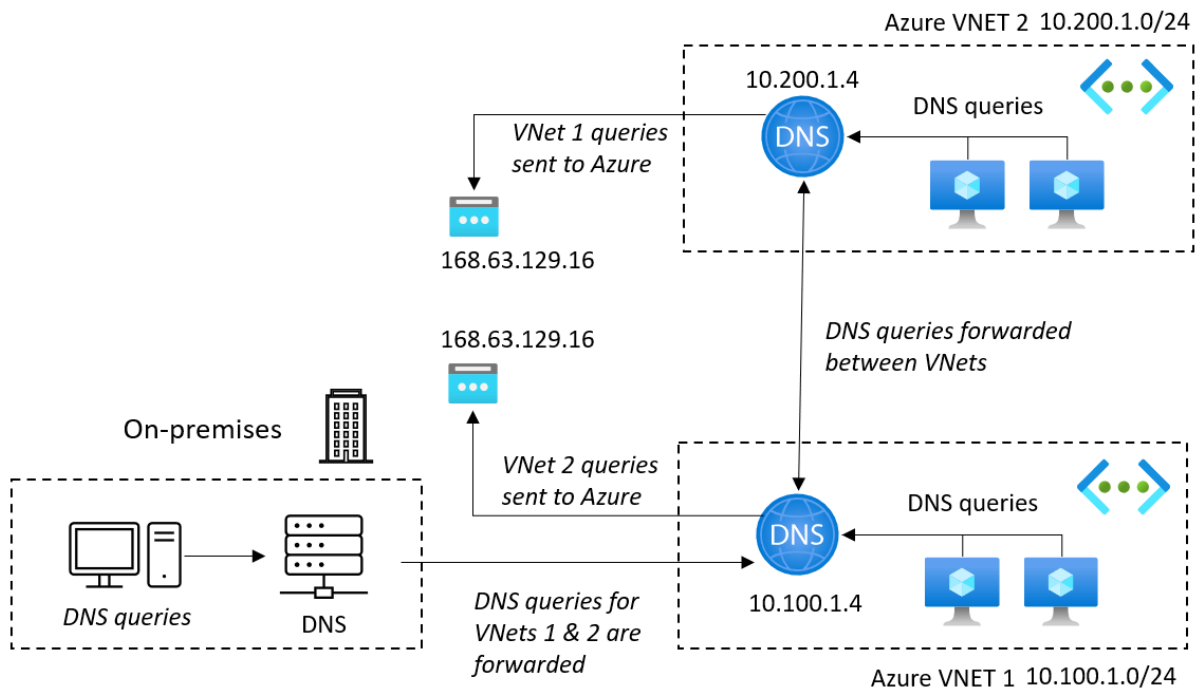


Figure 4.23 – An example solution demonstrating the hybrid name resolution approach

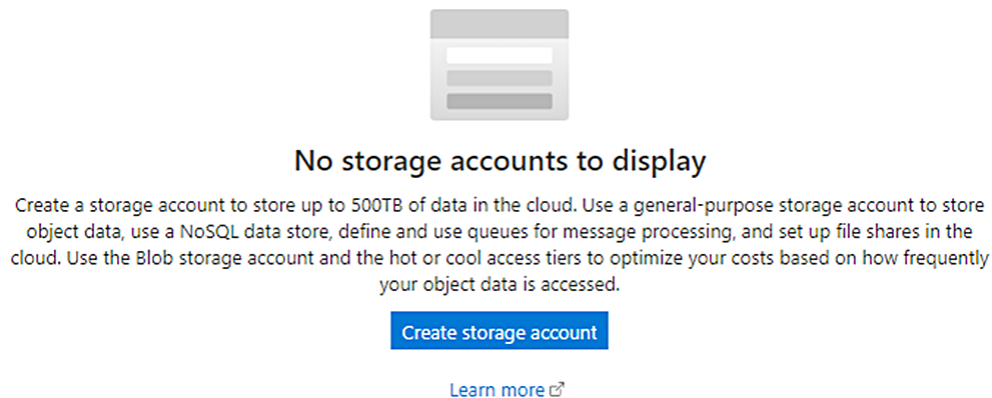


Figure 4.24 – Creating a storage account in Azure

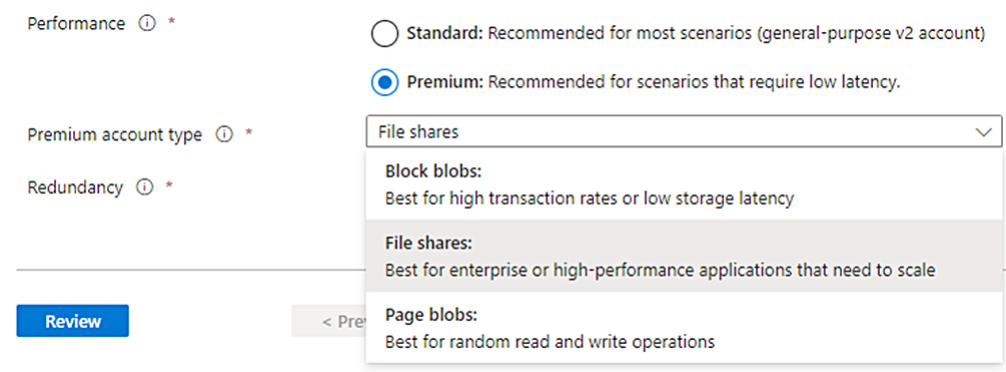


Figure 4.25 – Storage account types

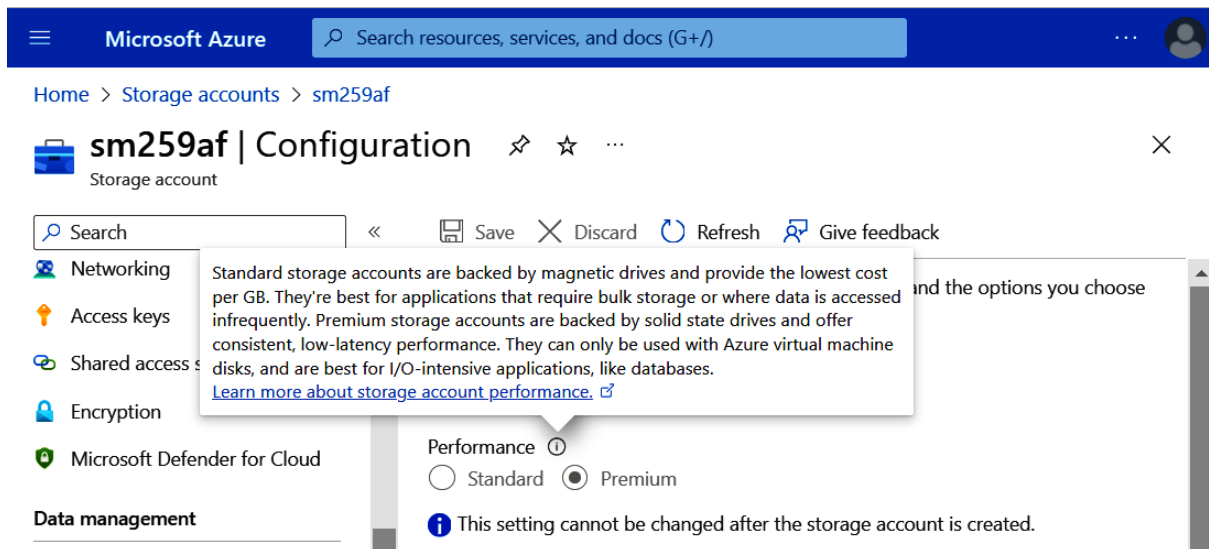


Figure 4.26 – Storage account performance type setting

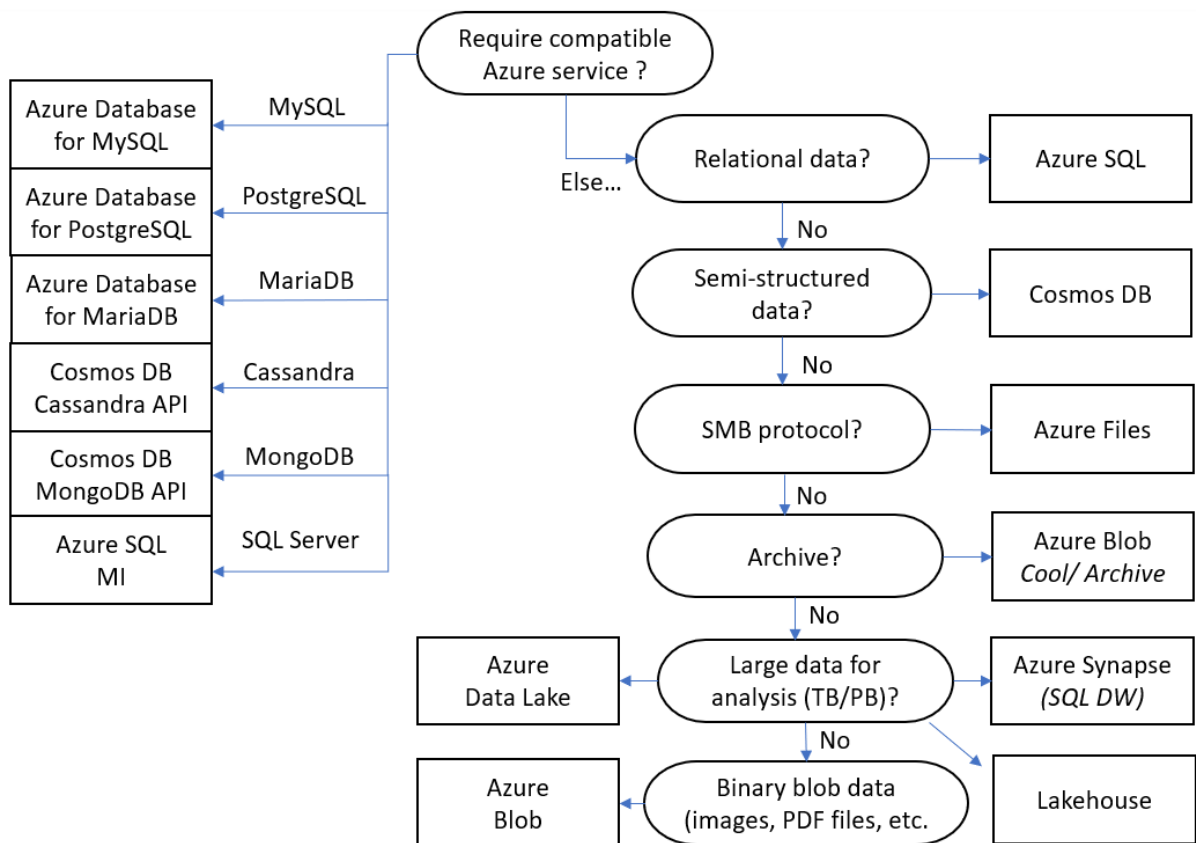


Figure 4.27 – The flow for choosing a data store

Practice Resources

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DASHBOARD > CHAPTER 4

Azure Core Resources

Summary

This chapter provided complete coverage of the AZ-900 Azure Fundamentals exam's following **Skills Measured** sections: **Describe Azure compute and networking services** and **Describe Azure storage services**.

In this chapter, for the **compute** skills area, you learned how to compare compute types (including container instances, **virtual machines**, and functions), describe VM options (including Azure Virtual Machines, Azure Virtual Machine Scale Sets, Availability Sets, and Azure Virtual Desktop), describe resources required for virtual machines, and describe application hosting options, including the Web Apps feature of Azure App Service, containers, and virtual machines.

For the **network** skills area, you learned how to describe virtual networking, including the purpose of Azure VNet, routing, segmentation, peering, connectivity, and Azure DNS.

For the **storage** skills area, you learned how to compare Azure storage services and describe storage types, account types, tiers, replication, copying, and data stores.

In the next chapter, you will look at **Azure identity and access**

Chapter Review Questions

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Select Quiz

Quiz 1

SHOW QUIZ DETAILS

START

Figure 4.28 – Chapter Review Questions for Chapter 4

Practice Resources

SHARE FEEDBACK

DASHBOARD > VIRTUAL NETWORKS (VNETS)

Virtual Networks (VNets)

Book: Microsoft Azure Fundamentals Certification and Beyond – Second Edition

Progress: 0% completed

Description:

In this activity, you will create a VNet. The tasks performed in this activity align with Chapter 4.

Tasks

START

Task No	Task	Status	Open	Mark as Complete
1	REQUIREMENTS <i>Important</i>	Not Started	OPEN REQUIREMENTS	<input type="checkbox"/>
2	Task 1	Not Started	OPEN TASK	<input type="checkbox"/>

Figure 4.29: Tasks in Virtual Networks (VNets) activity

Chapter 5: Azure Identity and Access

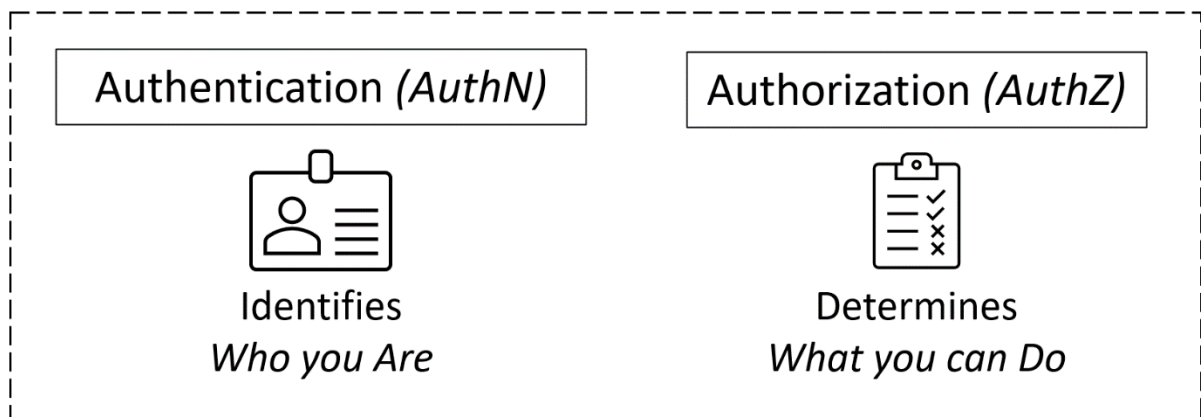


Figure 5.1 – The concepts of authentication and authorization

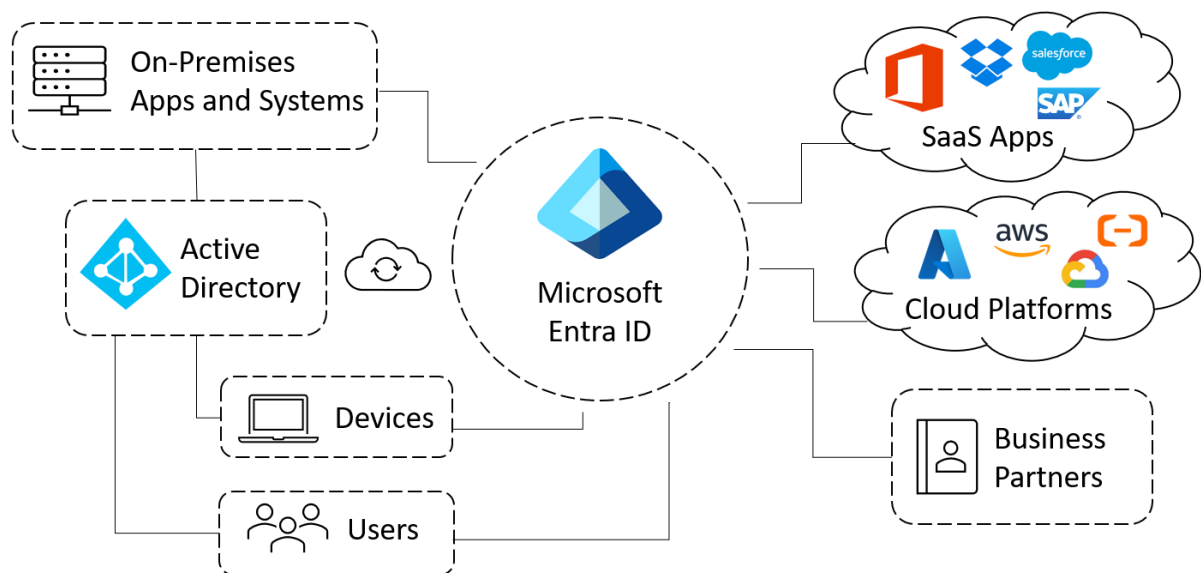


Figure 5.2 – Microsoft Entra ID as a centralized cloud IDP

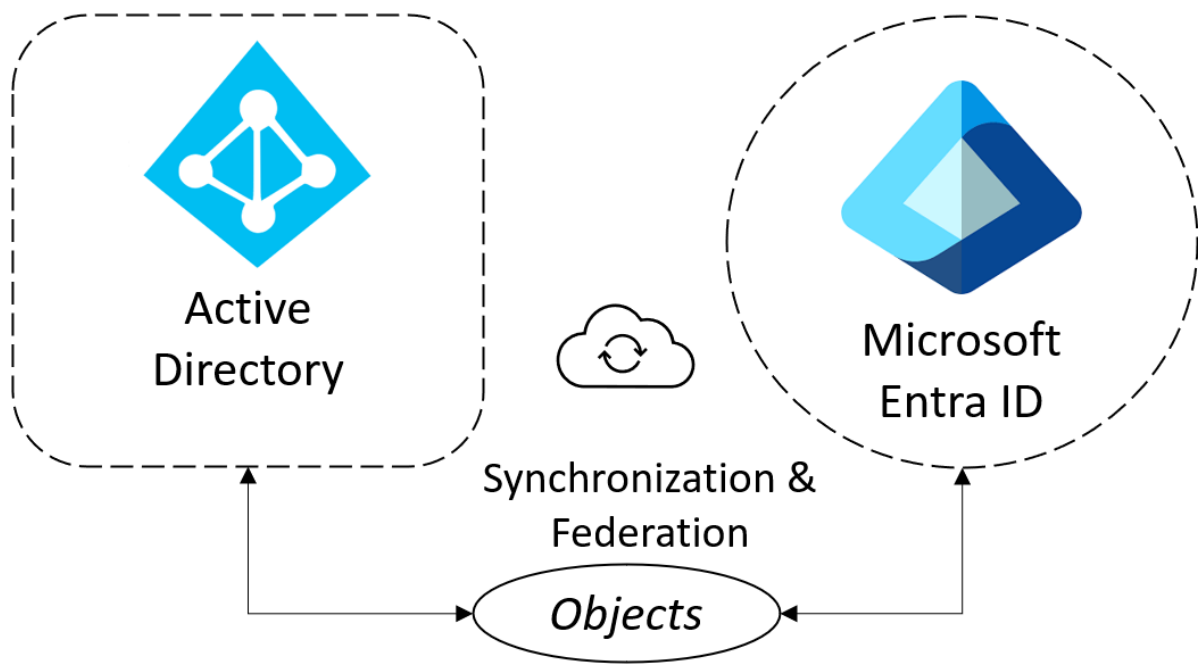


Figure 5.3 – Connection between AD and Microsoft Entra ID

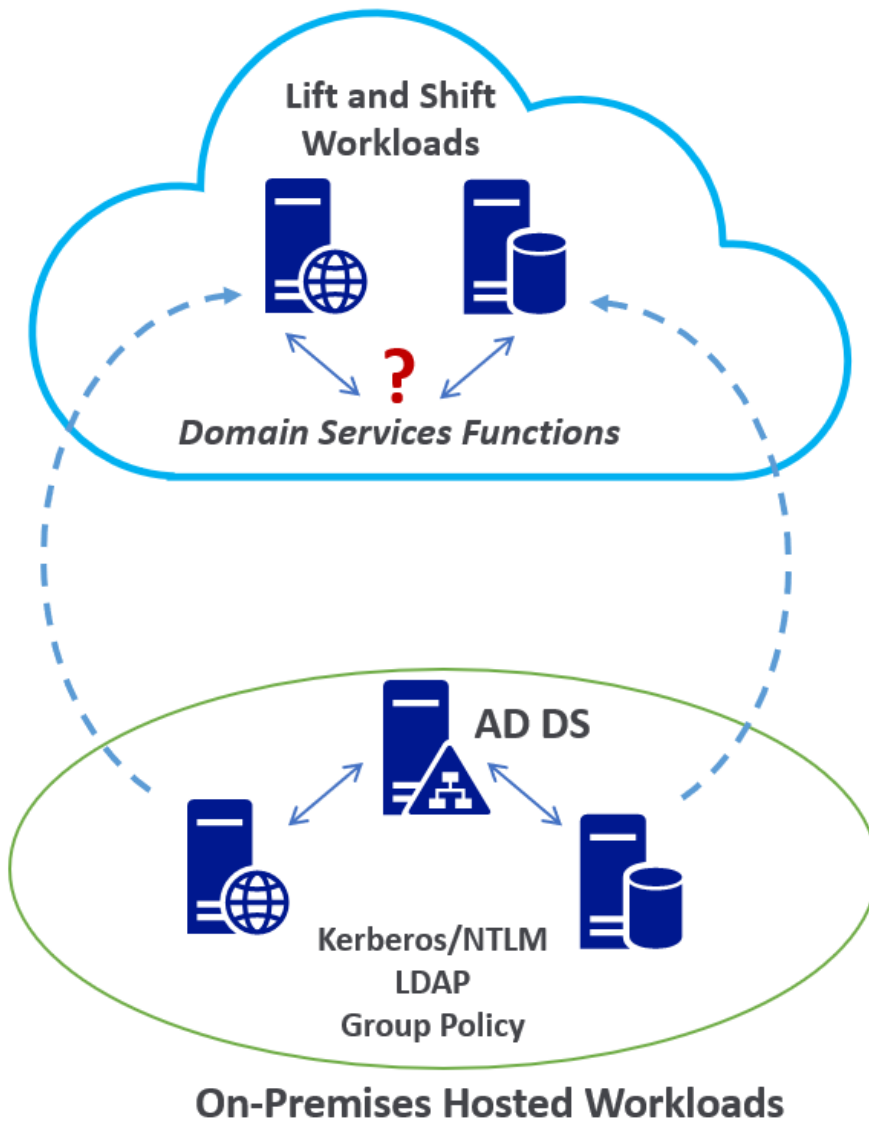


Figure 5.4 – Providing AD Domain Services functions for Azure workloads

Microsoft Entra ID
Tenant

Microsoft Entra DS
Managed Domain

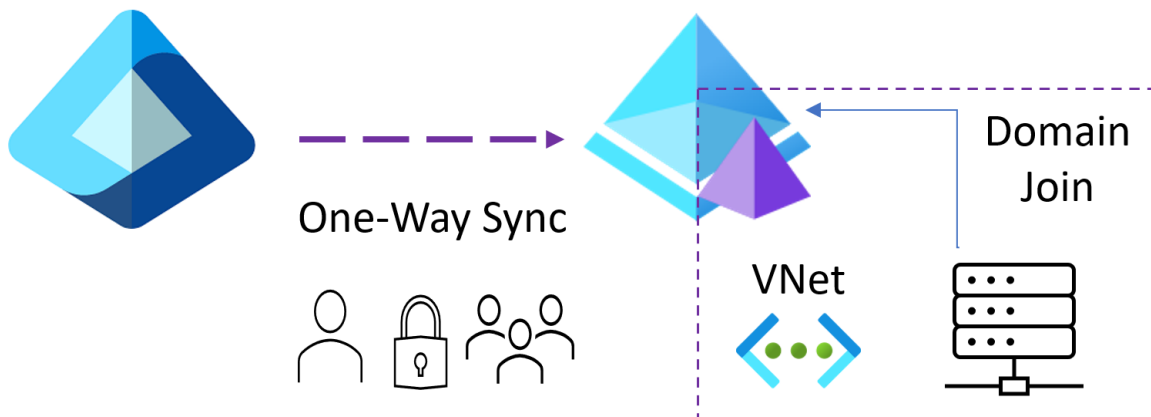


Figure 5.5 – Making changes effective by synchronizing Microsoft Entra ID to the managed domain

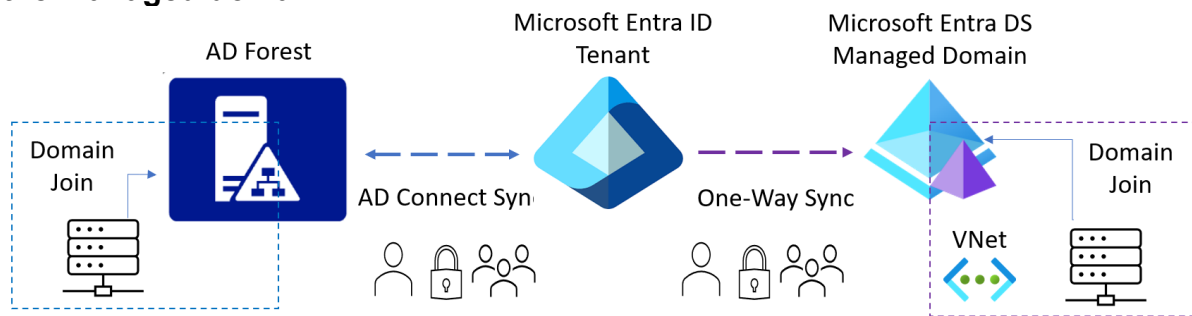


Figure 5.6 – Hybrid identity scenario showing the connection between AD, Microsoft Entra ID, and the Microsoft Entra DS managed domain

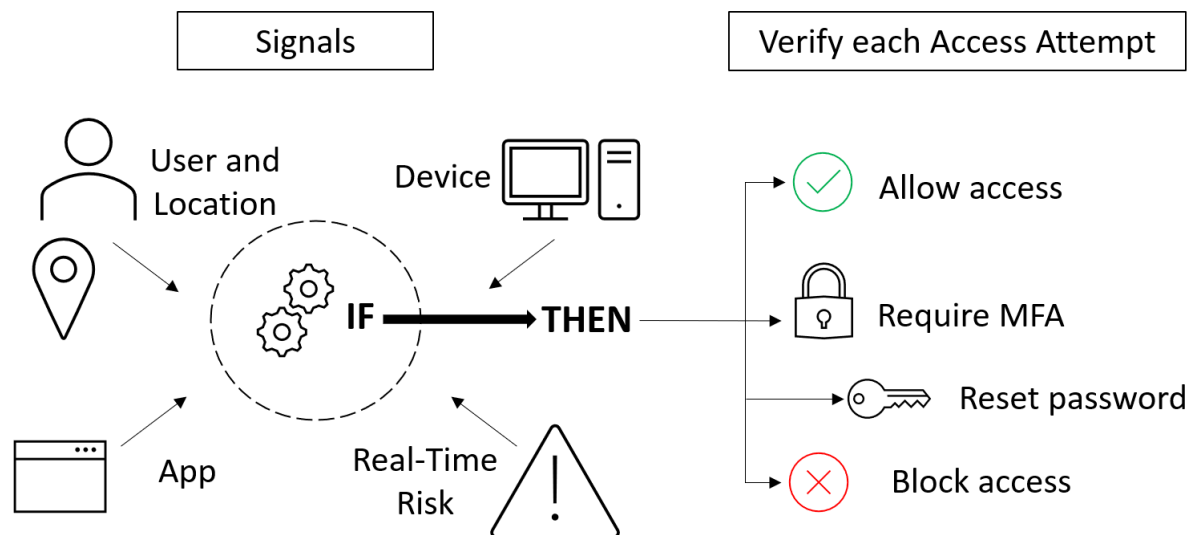


Figure 5.7 – Granting access using conditional access based on the information collected from the sign-in process

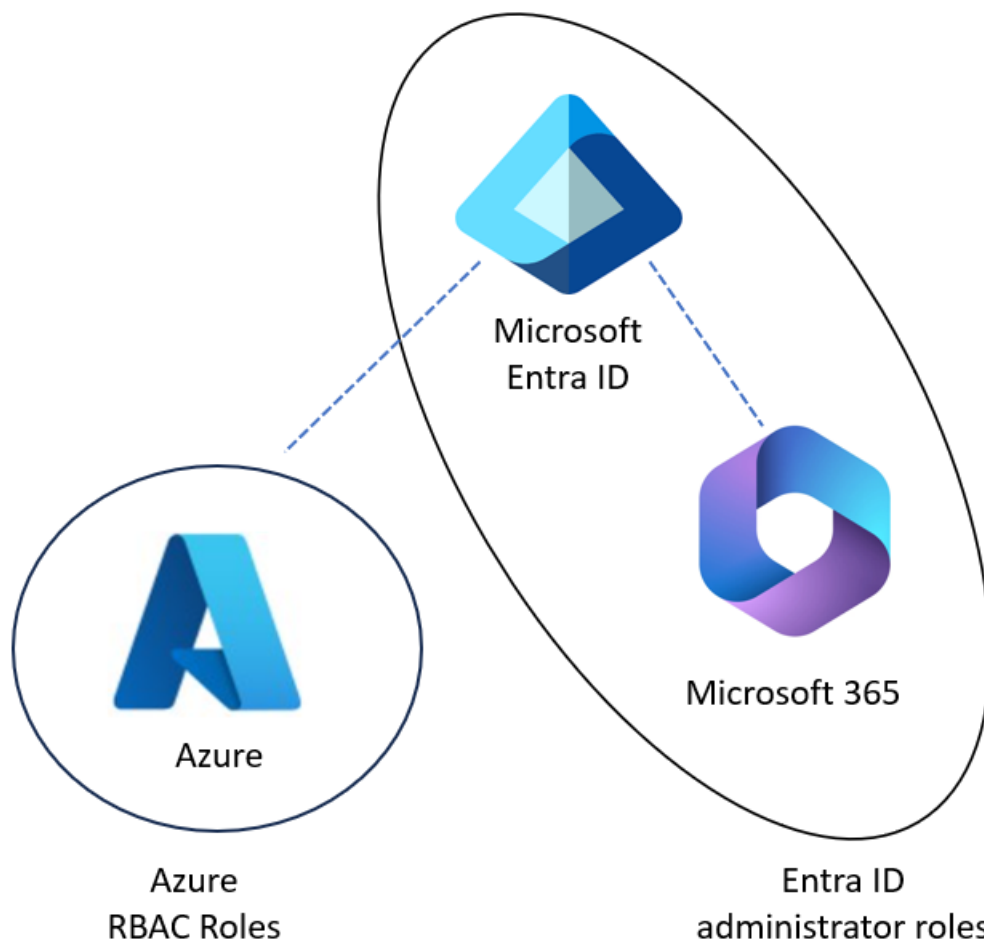




Figure 5.8 – Managing access with authentication from Microsoft Entra ID, and authorization from Azure RBAC

<p> Practice Resources

 [SHARE FEEDBACK](#) 

DASHBOARD > CHAPTER 5

Azure Identity and Access

Summary

This chapter included identity and access content for coverage of the following AZ-900 Azure Fundamentals exam skills area: **Describe Azure identity, access, and security.**


In this chapter, you learned how to describe directory services in Azure including Microsoft Entra ID (previously named Azure AD) and Microsoft Entra Domain Services (previously named Azure AD Domain Services), describe authentication methods in Azure (including SSO, multi-factor authentication, and passwordless), external identities and guest access in Azure, conditional access, and Azure RBAC.

The next chapter looks at Azure Security. You will learn the concept of Zero Trust, the purpose of the defense-in-depth model, and Microsoft Defender for Cloud.

Chapter Review Questions

The Microsoft Azure Fundamentals Certification and Beyond - Second Edition by Steve Miles

[Select Quiz](#)

Quiz 1 [SHOW QUIZ DETAILS](#) 

[START](#)

Figure 5.9 – Chapter Review Questions for Chapter 5

DASHBOARD > MICROSOFT ENTRA ID USERS AND GROUPS

Microsoft Entra ID Users and Groups

Book: **Microsoft Azure Fundamentals Certification and Beyond – Second Edition**

Progress: **0% completed**

Description:

In this activity, you will work with Microsoft Entra ID Users and Groups. The tasks performed in this activity align with *Chapter 5*.

Tasks

START

Task No	Task	Status	Open	Mark as Complete
1	REQUIREMENTS <i>Important</i>	Not Started	OPEN REQUIREMENTS	<input type="checkbox"/>
2	Task 1	Not Started	OPEN TASK	<input type="checkbox"/>
3	Task 2	Not Started	OPEN TASK	<input type="checkbox"/>
4	Task 3	Not Started	OPEN TASK	<input type="checkbox"/>

Figure 5.10: Tasks in Microsoft Entra ID Users and Groups activity

Chapter 6: Azure Security

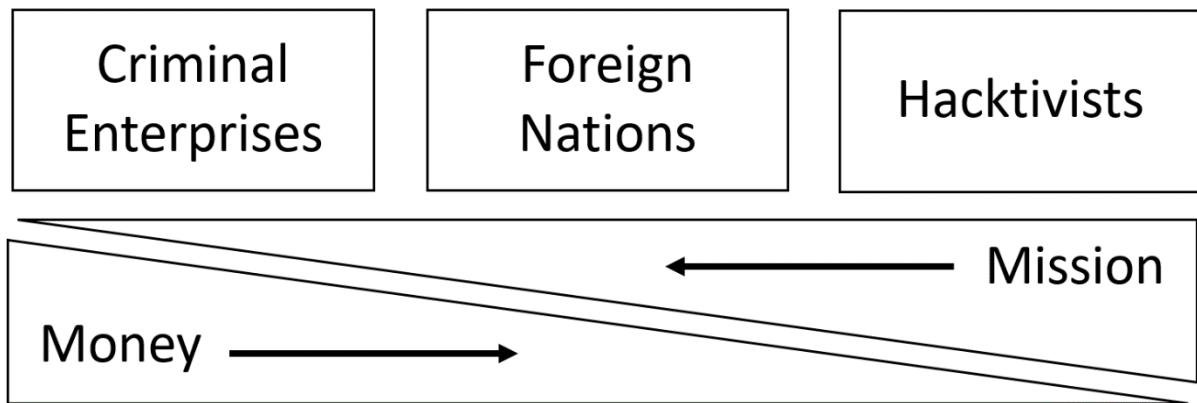


Figure 6.1 – Attack motivations

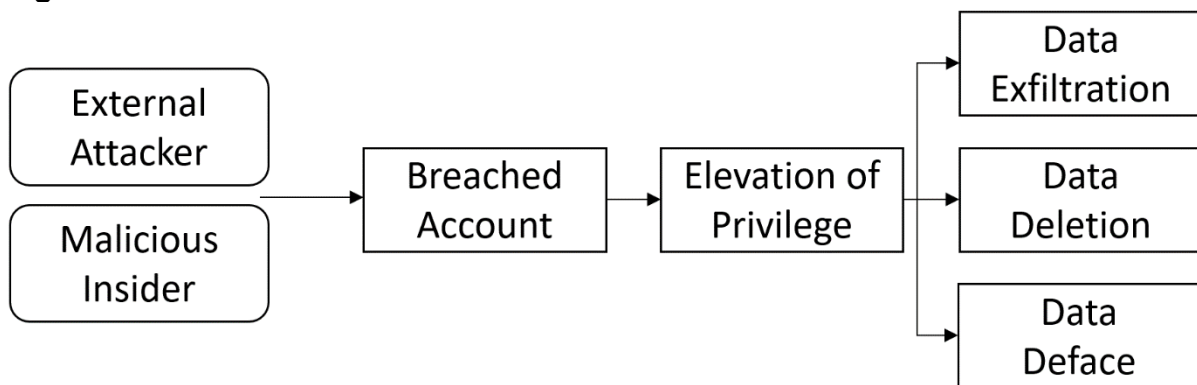


Figure 6.2 – An attack chain showing the sequence of an attack

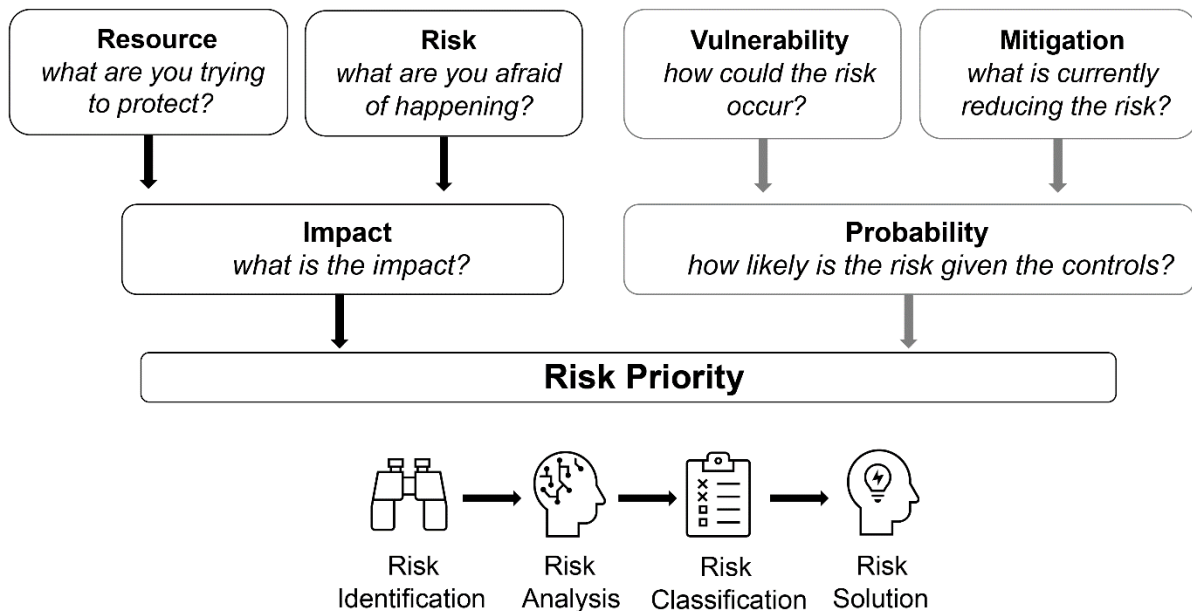


Figure 6.3 – Threat priority model showing the adopted risk solution based on risk priority

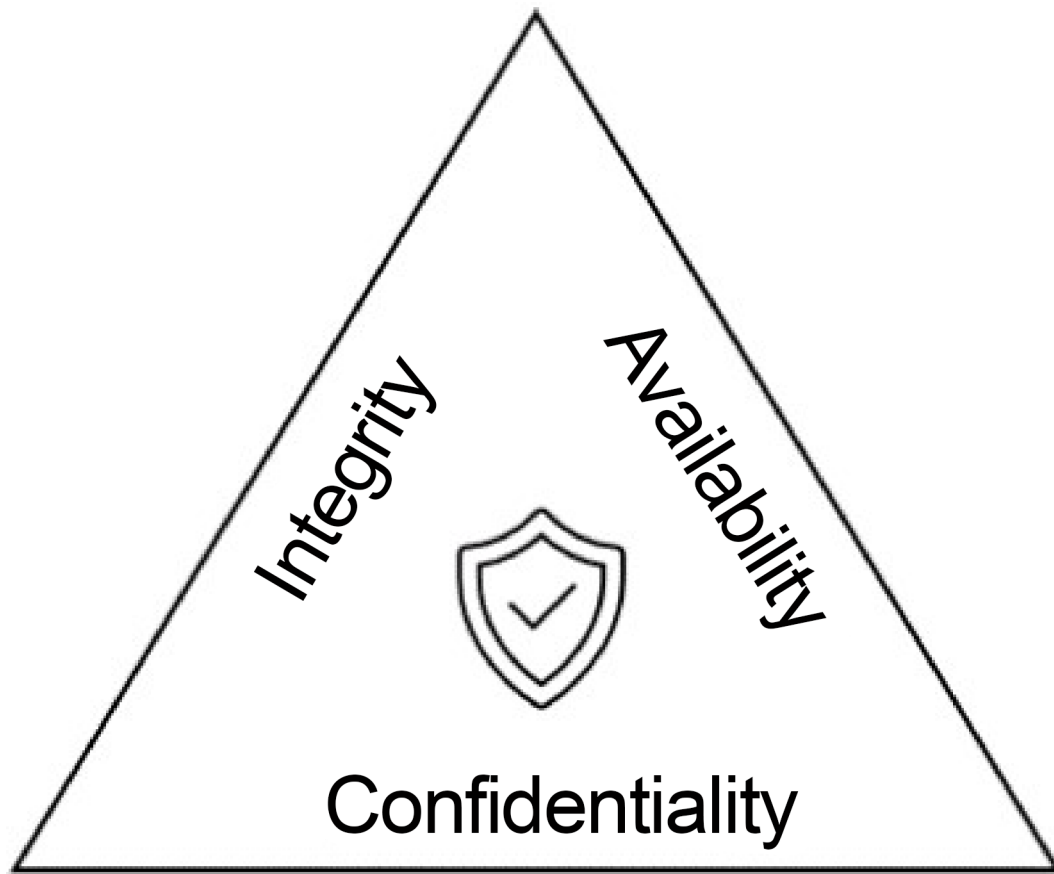


Figure 6.4 – A security posture CIA triangle

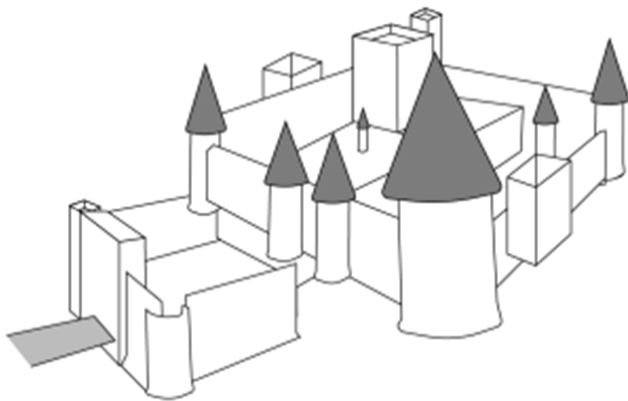


Figure 6.5 – The medieval castle defense approach

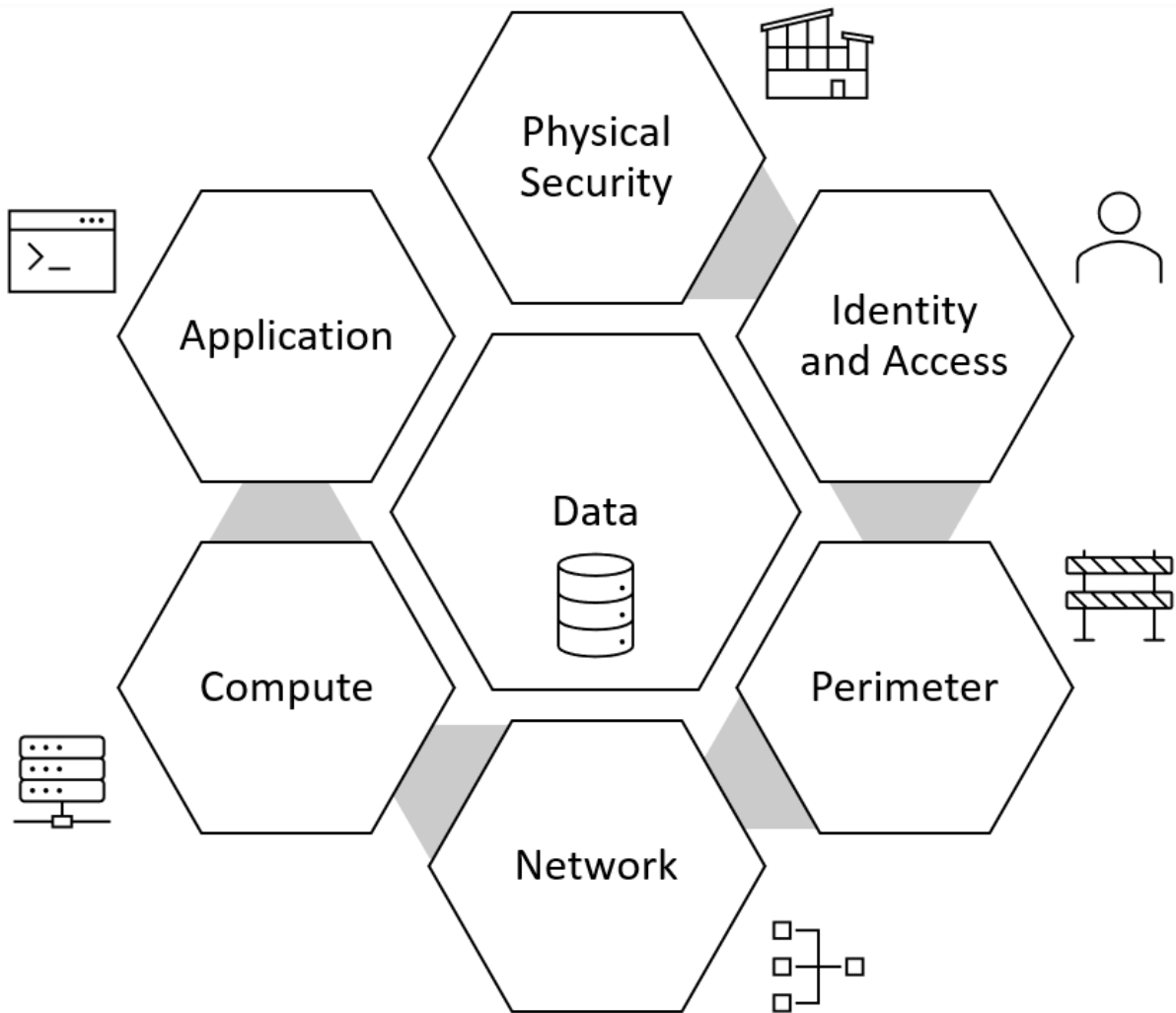


Figure 6.6 – The DiD approach layers

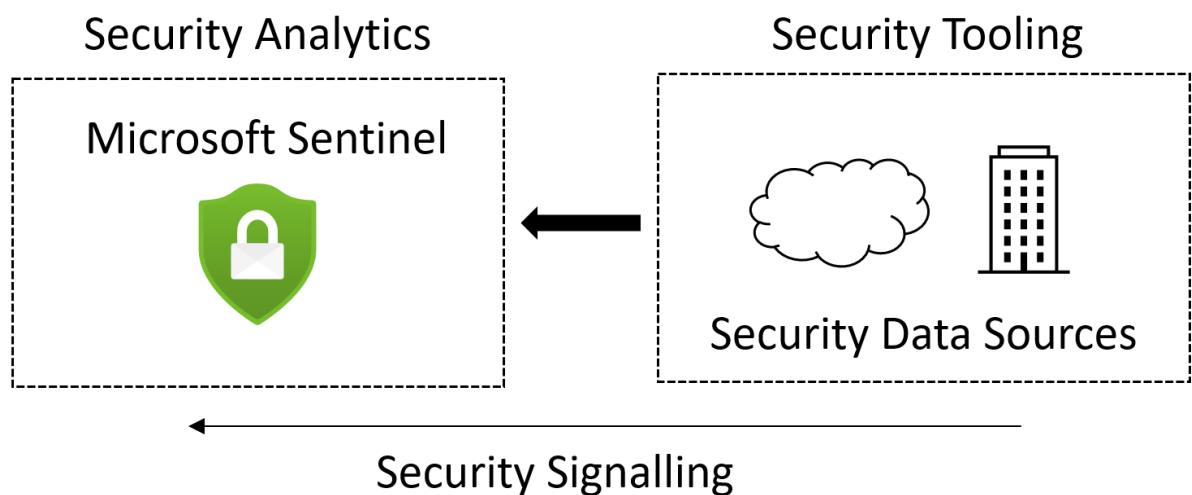


Figure 6.7 – The relationship between the security analytics of Microsoft Sentinel and the security signalling

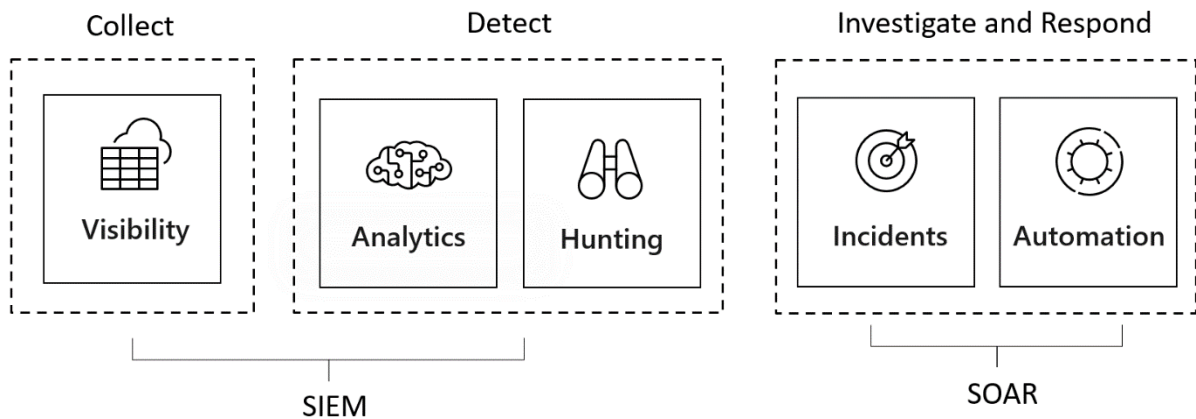


Figure 6.8 – A Sentinel security operations proposition

Practice Resources

SHARE FEEDBACK

DASHBOARD > CHAPTER 6

Azure Security

Summary

This chapter included complete coverage of the AZ-900 Azure Fundamentals exam skills area **Describe Azure identity, access, and security**.

In this chapter, you explored the threat landscape and the common threats. You then learned the concept of Zero Trust and the purpose of the DiD model, and you looked at the security solutions of Microsoft Defender for Cloud and Microsoft Sentinel.

The key takeaway from this chapter is that security is not somebody else's problem but everybody's responsibility. Further knowledge beyond the required exam content was provided to prepare you for a real-world, day-to-day Azure focus role.

In the next chapter, you will look at **Azure Cost Management**. You will learn the factors that affect costs by looking at the Azure Pricing Calculator, the Total Cost of Ownership (TCO) calculator, Cost Management, and the Billing tool, as well as the purpose of resource tags.

Chapter Review Questions

The Microsoft Azure Fundamentals Certification and Beyond - Second Edition by Steve Miles

Select Quiz

Quiz 1

SHOW QUIZ DETAILS

START

Figure 6.9 – Chapter Review Questions for Chapter 6

Security Defaults

Book: Microsoft Azure Fundamentals Certification and Beyond - Second Edition

Progress: 0% completed

Description:

In this activity, you will implement security defaults. The tasks performed in this activity align with *Chapter 6*.

Tasks START



Task No	Task	Status	Open	Mark as Complete
1	REQUIREMENTS <i>Important</i>	Not Started	 OPEN REQUIREMENTS	<input type="checkbox"/>
2	Task 1	Not Started	 OPEN TASK	<input type="checkbox"/>

Figure 6.10: Tasks in Security Defaults activity

Chapter 7: Azure Cost Management

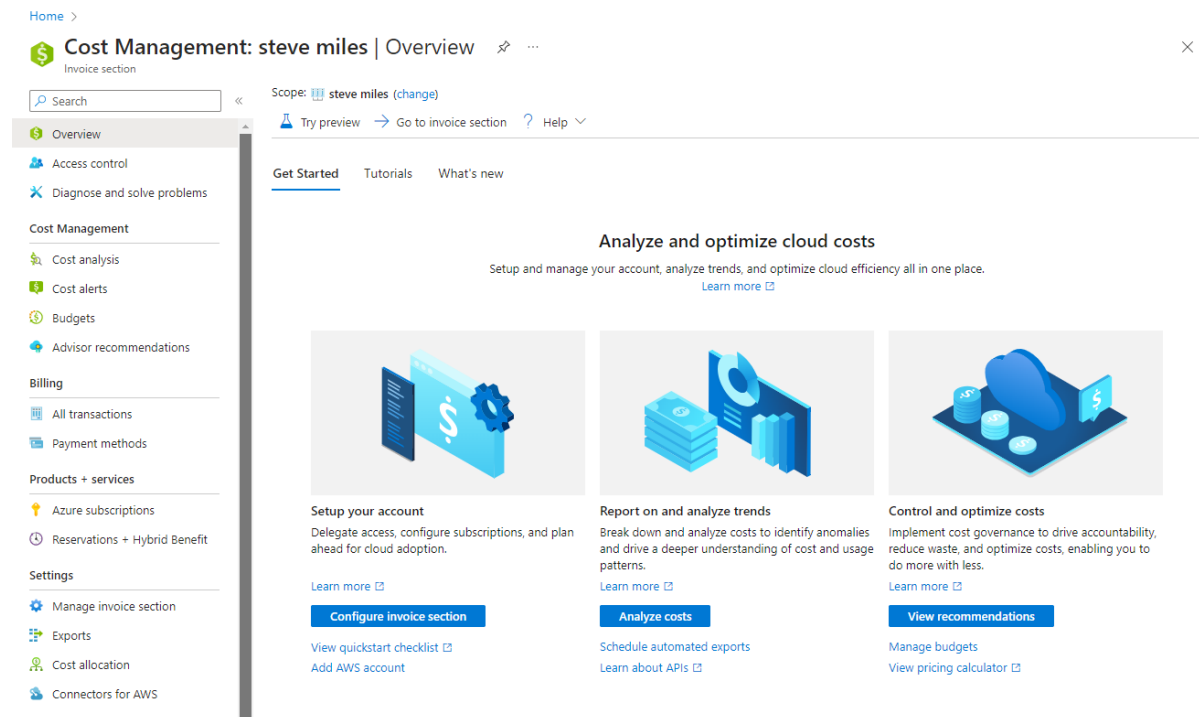




Figure 7.1 – Managing costs associated with Azure services using Azure Cost Management

 Azure

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Pricing calculator

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Try Azure for freeCreate a pay-as-you-go account



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Integration

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Security

Developer Tools

DevOps


Management and Governance


Media


Migration


Mixed Reality


Hybrid + multcloud


 **Virtual Machines**
Provision Windows and Linux virtual machines in seconds


 **Storage Accounts**
Durable, highly available, and massively scalable cloud storage


 **Azure SQL Database**
Build apps that scale with managed and intelligent SQL database in the cloud

 **App Service**
Quickly create powerful cloud apps for web and mobile

 **Azure Cosmos DB**
Fast NoSQL database with open APIs for any scale

 **Azure Kubernetes Service (AKS)**
Build and scale with managed Kubernetes

 **Azure functions**
Execute event-driven serverless code functions with an end-to-end development experience

 **Azure AI services**
Deploy high-quality AI models as APIs


 **Microsoft Cost Management**
Monitor, allocate, and optimise cloud costs with transparency, accuracy and efficiency

Figure 7.2 – Azure pricing calculator showing categorized resources

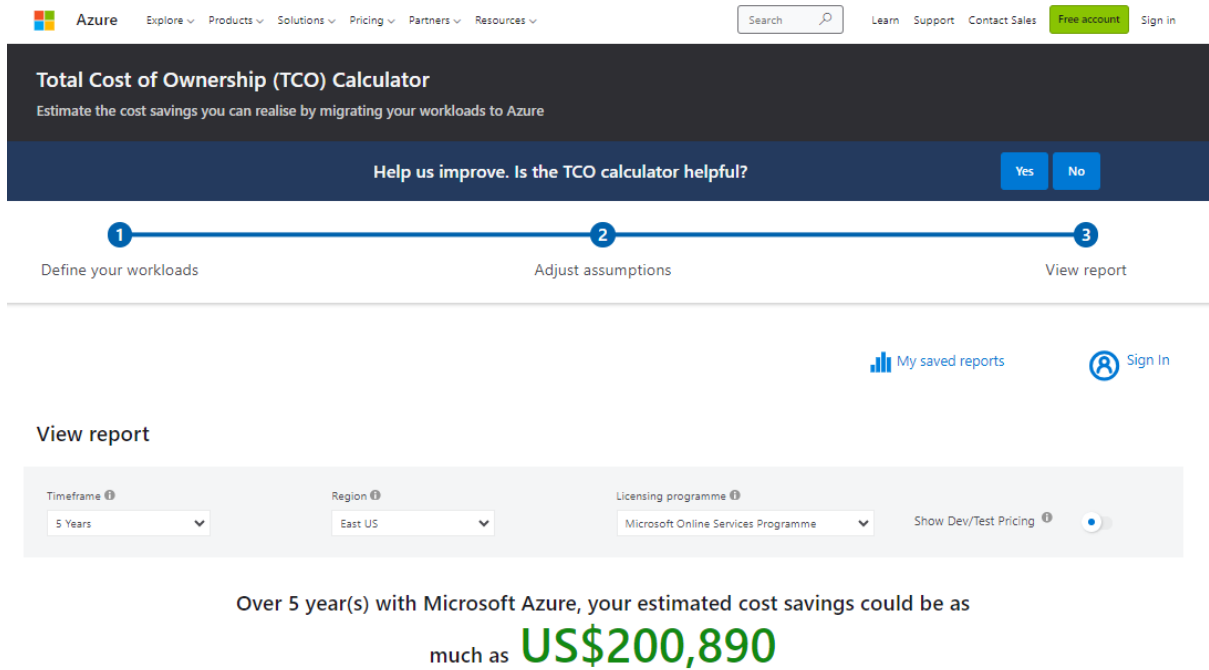


Figure 7.3 – Azure TCO calculator providing estimates using industry-average operational costs

The screenshot shows the Azure Practice Resources page for Chapter 7. The top navigation bar includes the "Practice Resources" logo, a bell icon, and a "SHARE FEEDBACK" button. Below the navigation bar, the breadcrumb "DASHBOARD > CHAPTER 7" is visible. The main heading is "Azure Cost Management", followed by a "Summary" section. The summary text reads: "This chapter included complete coverage of the AZ-900 Azure Fundamentals exam skills area **Describe cost management in Azure**. In this chapter, you learned about the factors that can affect costs in Azure and about the Azure Cost Management and Billing tool, as well as comparing the pricing calculator and the TCO calculator. Further knowledge beyond the required exam content was provided to prepare you for a real-world, day-to-day Azure-focused role. In the next chapter, you will look at **Azure Governance and Compliance**." To the right of the summary is a "Chapter Review Questions" section. It includes the text "The Microsoft Azure Fundamentals Certification and Beyond - Second Edition by Steve Miles", a "Select Quiz" button, and a "Quiz 1" section with a "SHOW QUIZ DETAILS" link and a "START" button.

Figure 7.4 – Chapter Review Questions for Chapter 7

Chapter 8: Azure Governance and Compliance

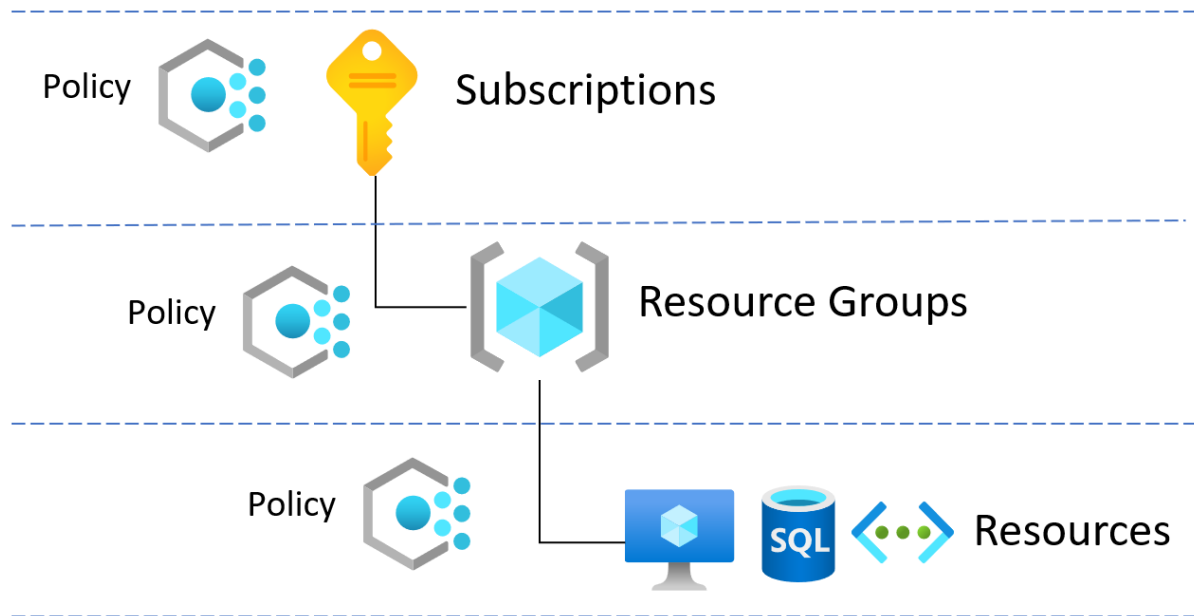


Figure 8.1 – Azure Policy scope level

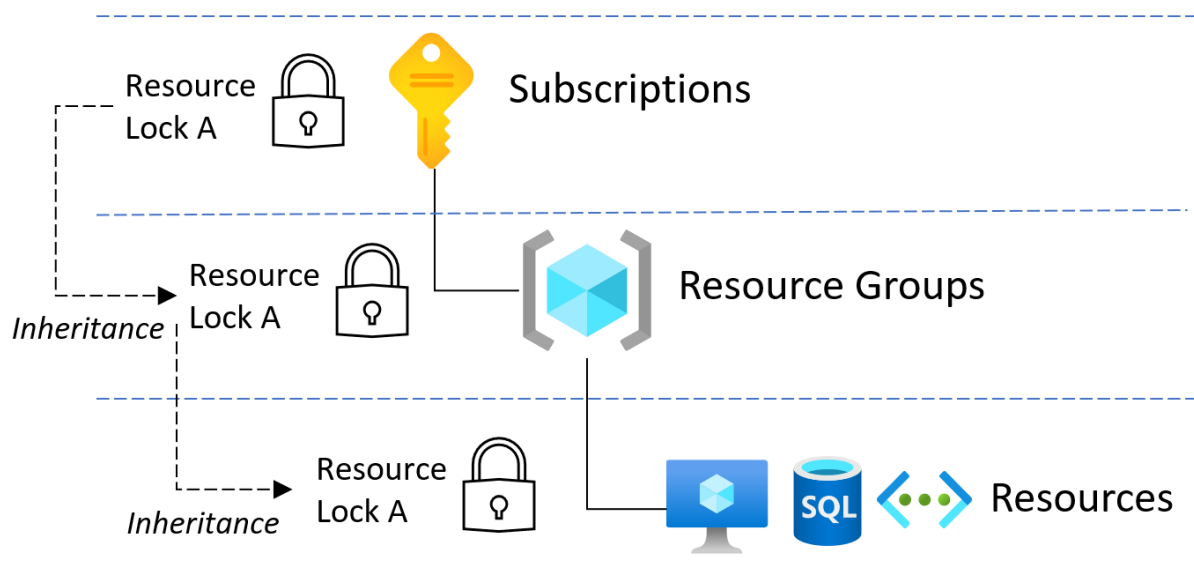


Figure 8.2 – Azure resource locks preventing accidental deletion of resources

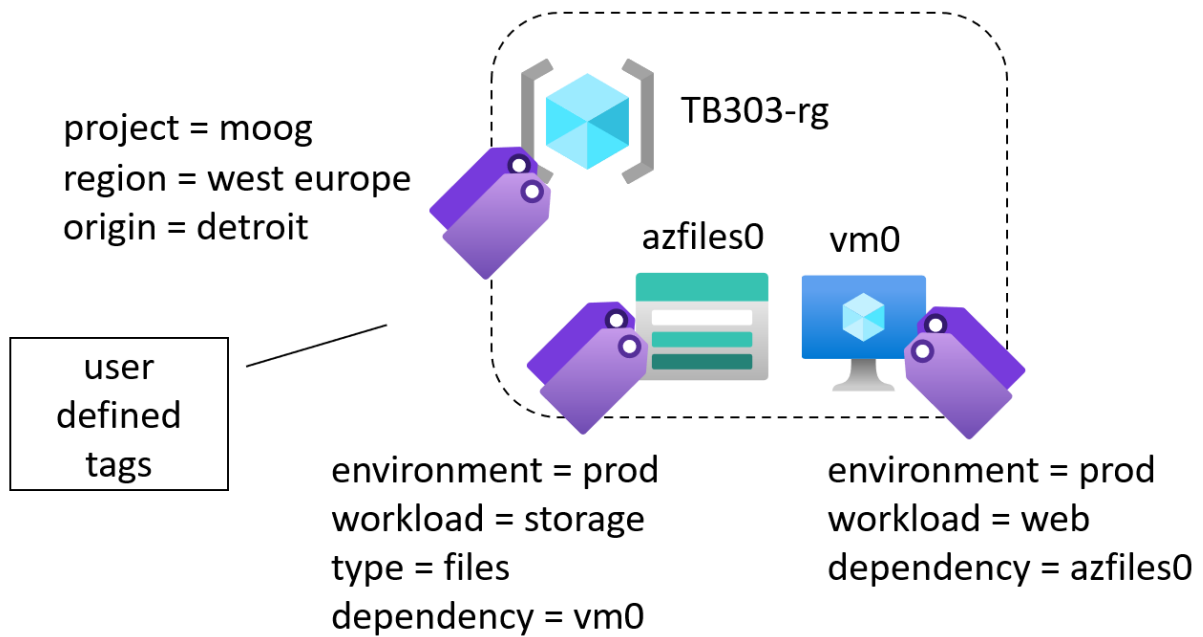


Figure 8.3 – Tags used for resource metadata

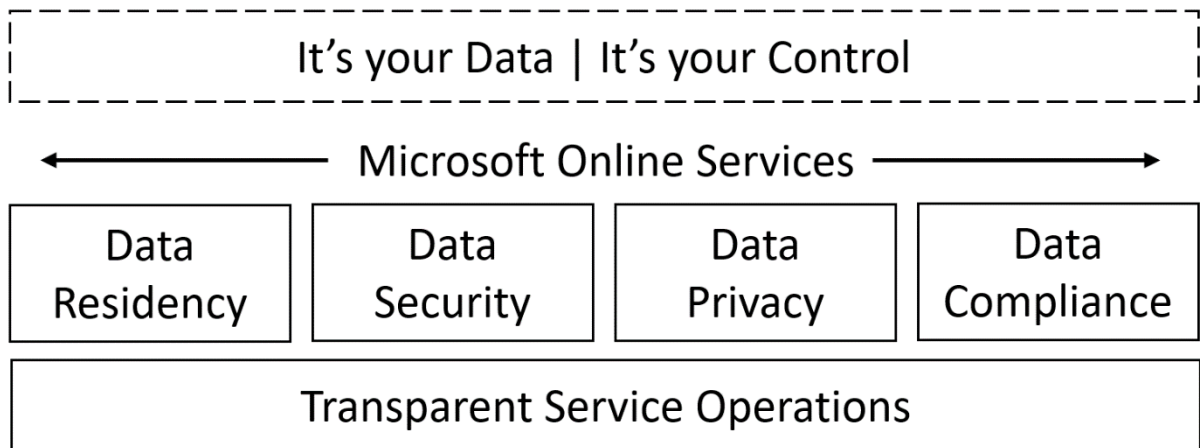


Figure 8.4 – Microsoft trusted cloud principles

Practice Resources
SHARE FEEDBACK

DASHBOARD > CHAPTER 8

Azure Governance and Compliance

Summary

This chapter included complete coverage of the following AZ-900 Azure Fundamentals exam skills area: **Describe Azure management and governance.**

In this chapter, you learned about the purpose of Microsoft Purview in Azure, the purpose of Azure Policy, resource locks, and tags, the Azure service lifecycle, Microsoft trusted cloud principles, and the Trust Center.

Further knowledge beyond required exam content was provided to prepare for a real-world, day-to-day Azure focus role.

The next chapter will look at **Azure Resource Deployment and Management.**

Chapter Review Questions

The Microsoft Azure Fundamentals Certification and Beyond - Second Edition by Steve Miles

Select Quiz

Quiz 1 START

[SHOW QUIZ DETAILS](#)

Figure 8.5 – Chapter Review Questions for Chapter 8

Practice Resources
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DASHBOARD > AZURE POLICY

Azure Policy

Book: Microsoft Azure Fundamentals Certification and Beyond - Second Edition

Progress: 0% completed

Description:

In this activity, you will enable tagging enforcement with Azure Policy. The tasks performed in this activity align with Chapter 8.

Tasks

START

Task No	Task	Status	Open	Mark as Complete
1	REQUIREMENTS <i>Important</i>	Not Started	OPEN REQUIREMENTS	<input type="checkbox"/>
2	Task 1	Not Started	OPEN TASK	<input type="checkbox"/>
3	Task 2	Not Started	OPEN TASK	<input type="checkbox"/>

Figure 8.6: Tasks in Azure Policy activity.

Chapter 9: Azure Resource Deployment and Management

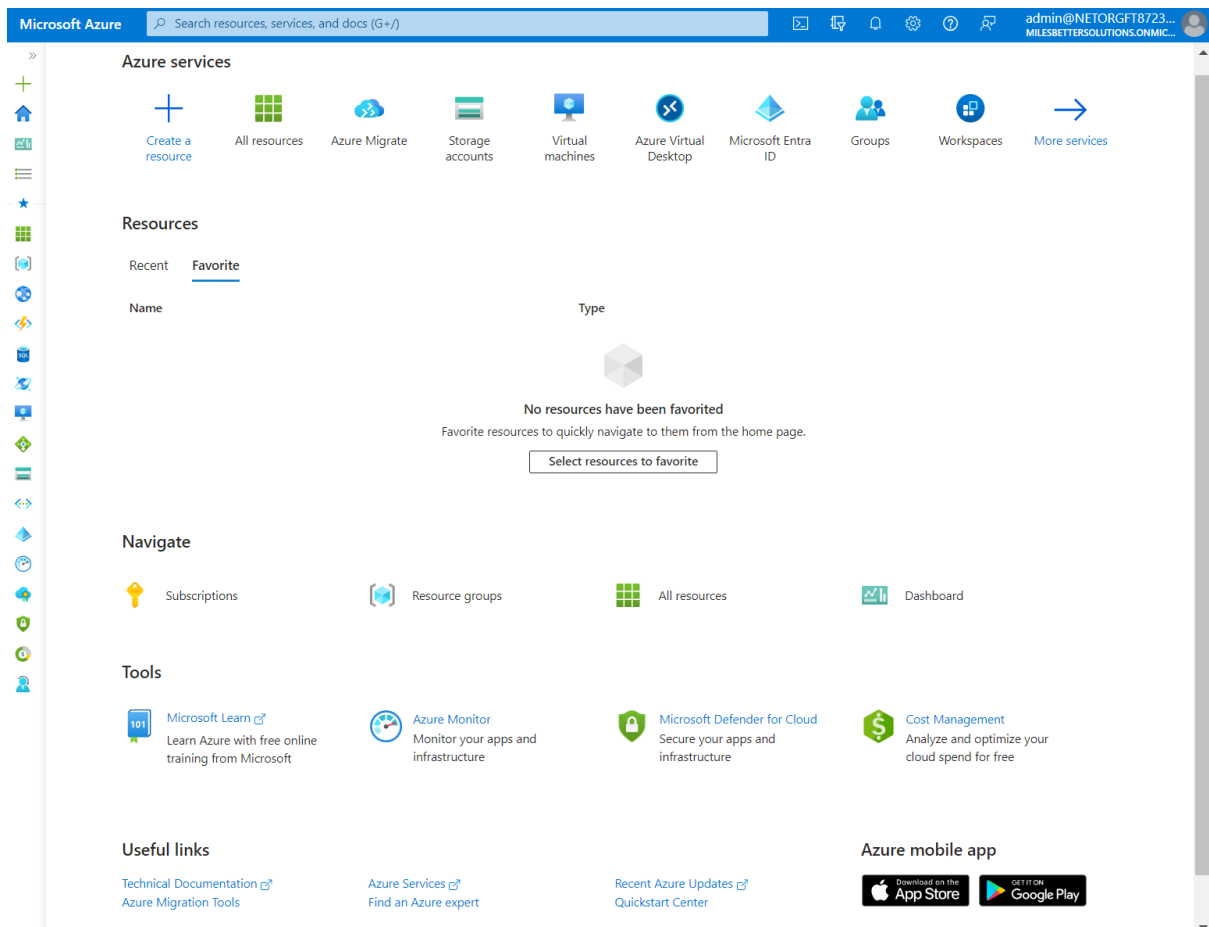


Figure 9.1 – The Azure portal

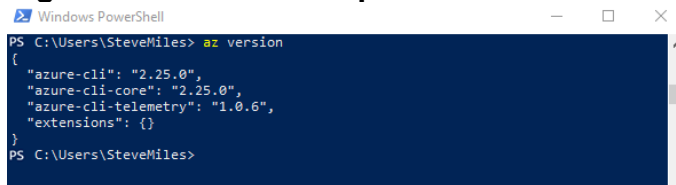


Figure 9.2 – The azure-cli version command in PowerShell

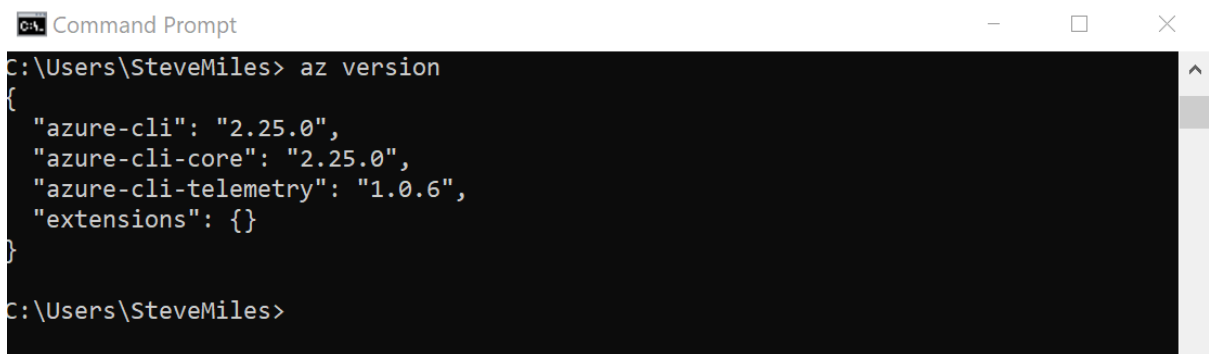


Figure 9.3 – The azure-cli version command in Windows Command Prompt

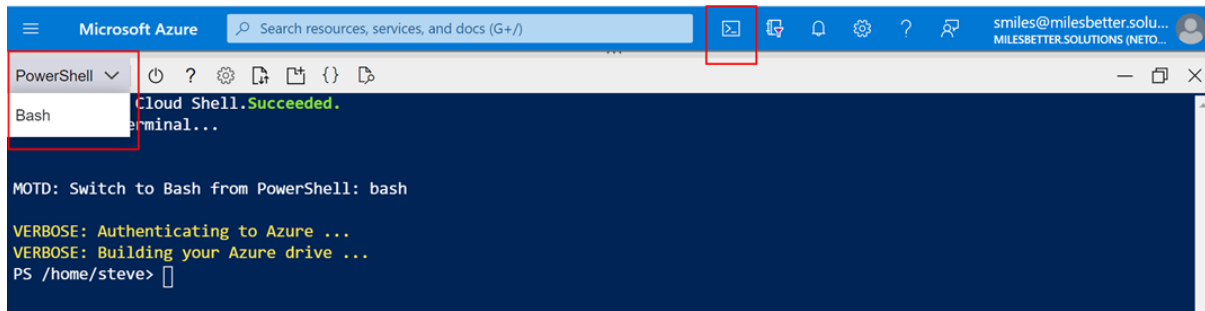


Figure 9.4 – Azure Cloud Shell with the PowerShell interface via the Azure portal

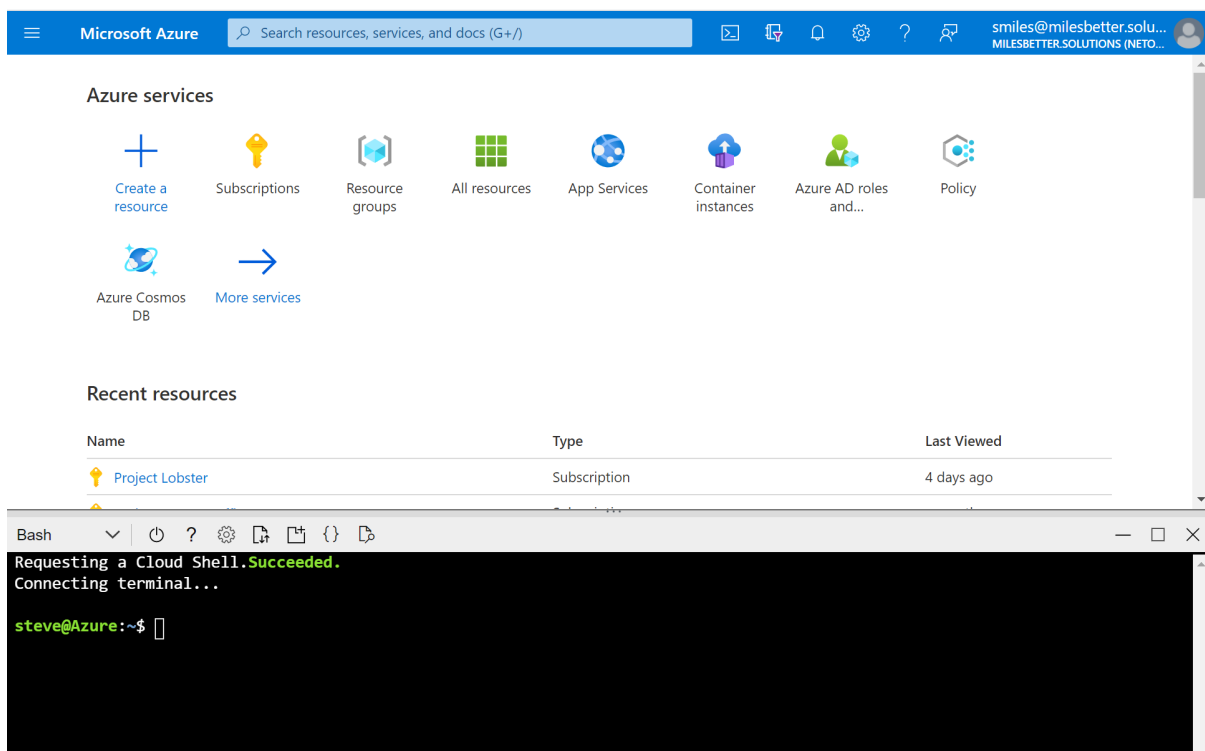


Figure 9.5 – Azure Cloud Shell with the Bash interface via the Azure portal

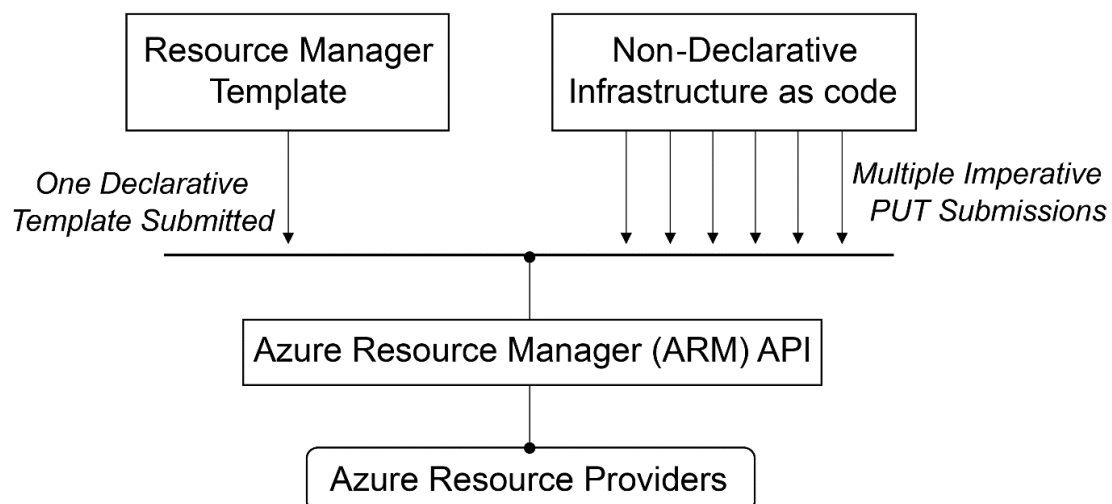


Figure 9.6 – ARM template declarative approach

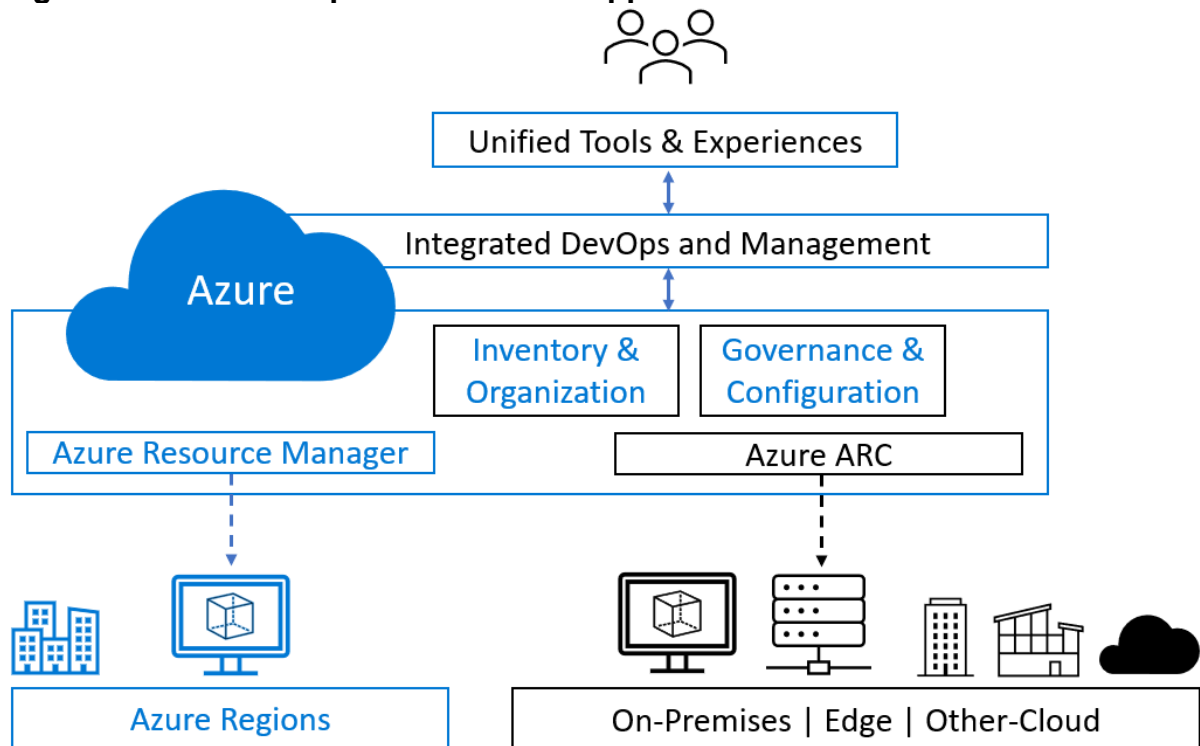





Figure 9.7 – Azure Arc for servers

 Practice Resources

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DASHBOARD > CHAPTER 9

Azure Resource Deployment and Management

Summary

This chapter covered the AZ-900 Azure Fundamentals exam skills area: **Describe features and tools for managing and deploying Azure resources.**

In this chapter, you learned how to describe the Azure portal and Azure Cloud Shell, including the Azure CLI and Azure PowerShell, Azure Arc's purpose, and Azure Resource Manager and its templates.


Knowledge beyond the level required for the exam content was provided to prepare you for a real-world, day-to-day Azure-focused role.

In the next chapter, you will look at **Azure Monitoring Tools**.

Chapter Review Questions

The Microsoft Azure Fundamentals Certification and Beyond - Second Edition by Steve Miles

[Select Quiz](#)

Quiz 1 [SHOW QUIZ DETAILS](#) 

[START](#)

Figure 9.8 – Chapter Review Questions for Chapter 9

Chapter 10: Azure Monitoring and Tools

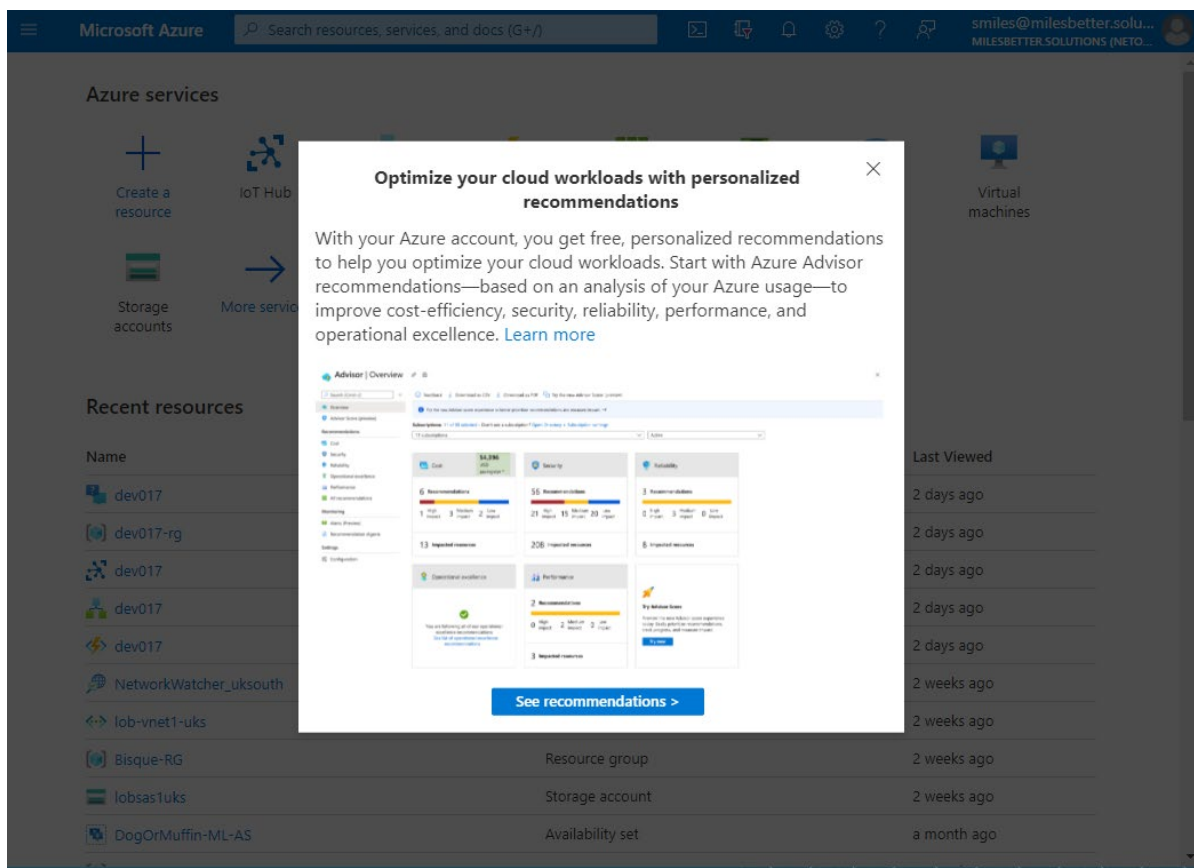


Figure 10.1 – Azure Advisor recommendations prompt screen

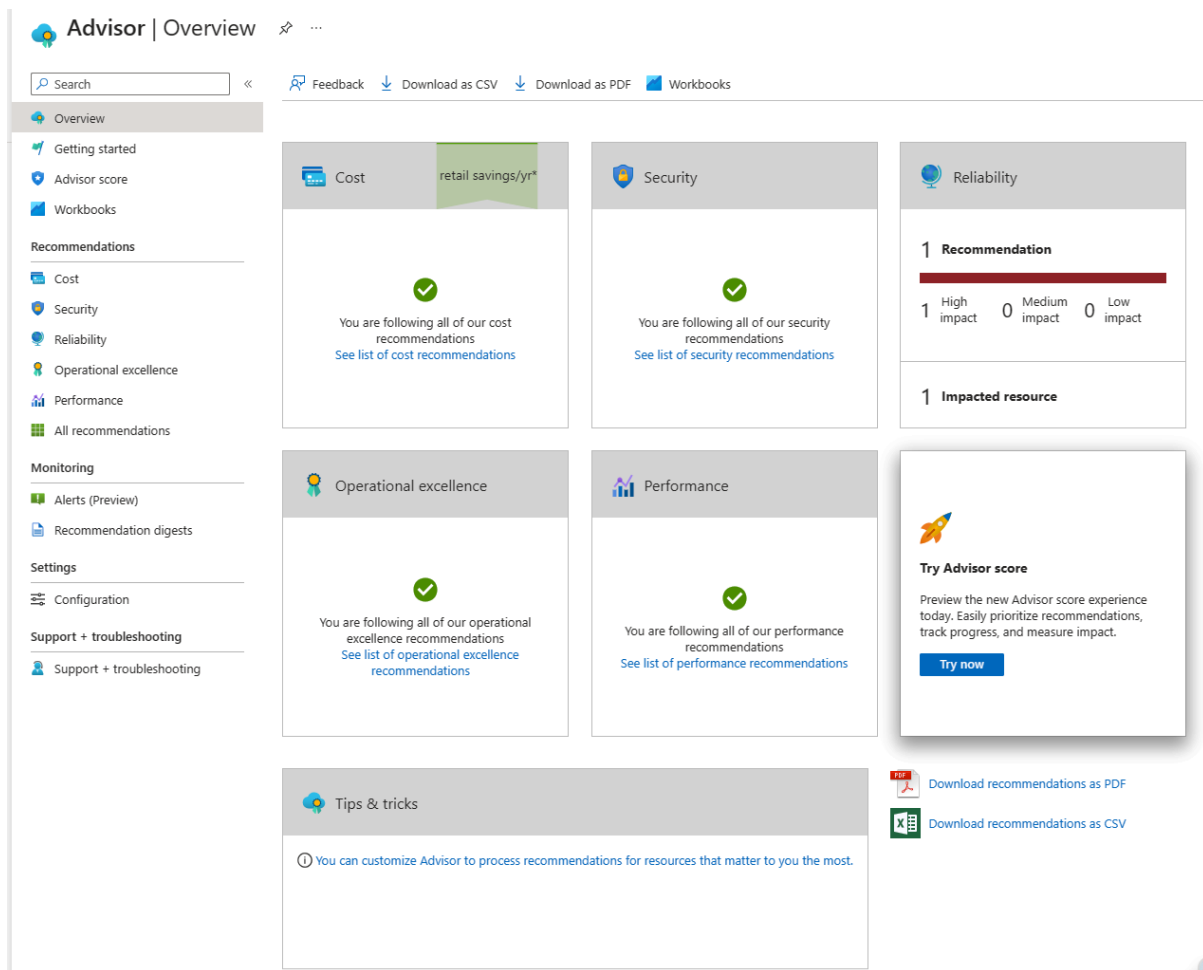


Figure 10.2 – Azure Advisor recommendations being displayed on the dashboard

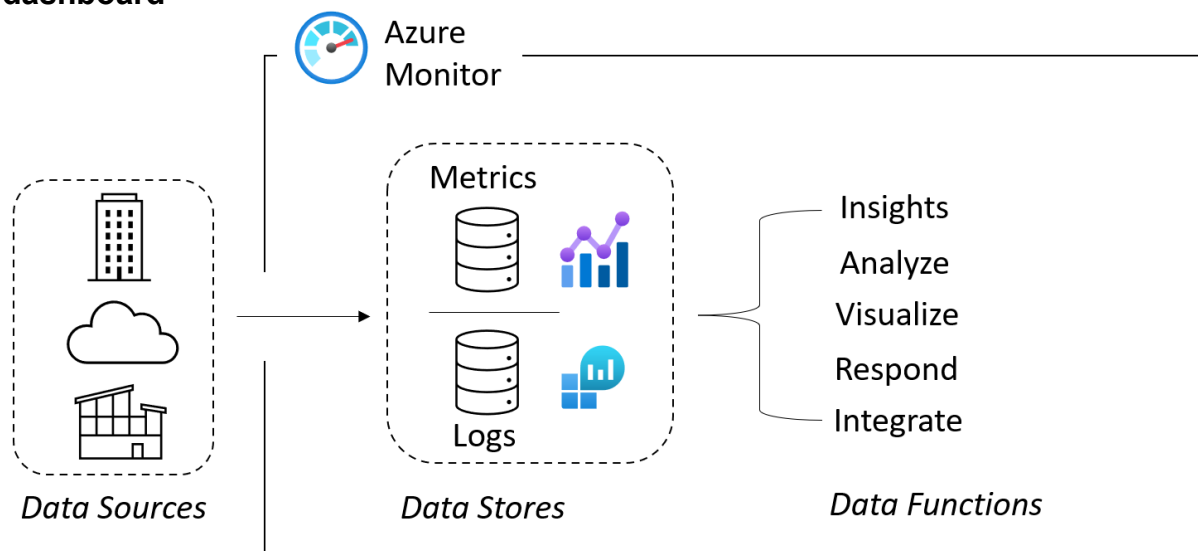


Figure 10.3 – Azure Monitor components architecture



Data



Log Analytics

Operation name	Status	Time	Time stamp	Subscription
> Delete hosting plan	Succeeded	2 days ago	Wed Jul 07 2021 14:43:37 ...	Project Lobster
> auditdForBazis Policy action	Succeeded	2 days ago	Wed Jul 07 2021 14:41:50 ...	Project Lobster
> Delete resource group	Succeeded	2 days ago	Wed Jul 07 2021 14:40:07 ...	Project Lobster
> Delete resource group	Succeeded	2 days ago	Wed Jul 07 2021 14:37:59 ...	Project Lobster
> Delete resource group	Succeeded	2 days ago	Wed Jul 07 2021 14:36:30 ...	Project DogOnKuffs
> Delete resource group	Succeeded	2 days ago	Wed Jul 07 2021 14:36:30 ...	Project Lobster
> Delete website	Succeeded	2 days ago	Wed Jul 07 2021 14:34:24 ...	Project Lobster
> Validate Deployment	Succeeded	2 days ago	Wed Jul 07 2021 14:31:01 ...	Project Lobster



Figure 10.4 – Azure Monitor log analytics showing ingested log data



Data



Service Metrics



Figure 10.5 – Azure Monitor service metrics showing ingested metrics data

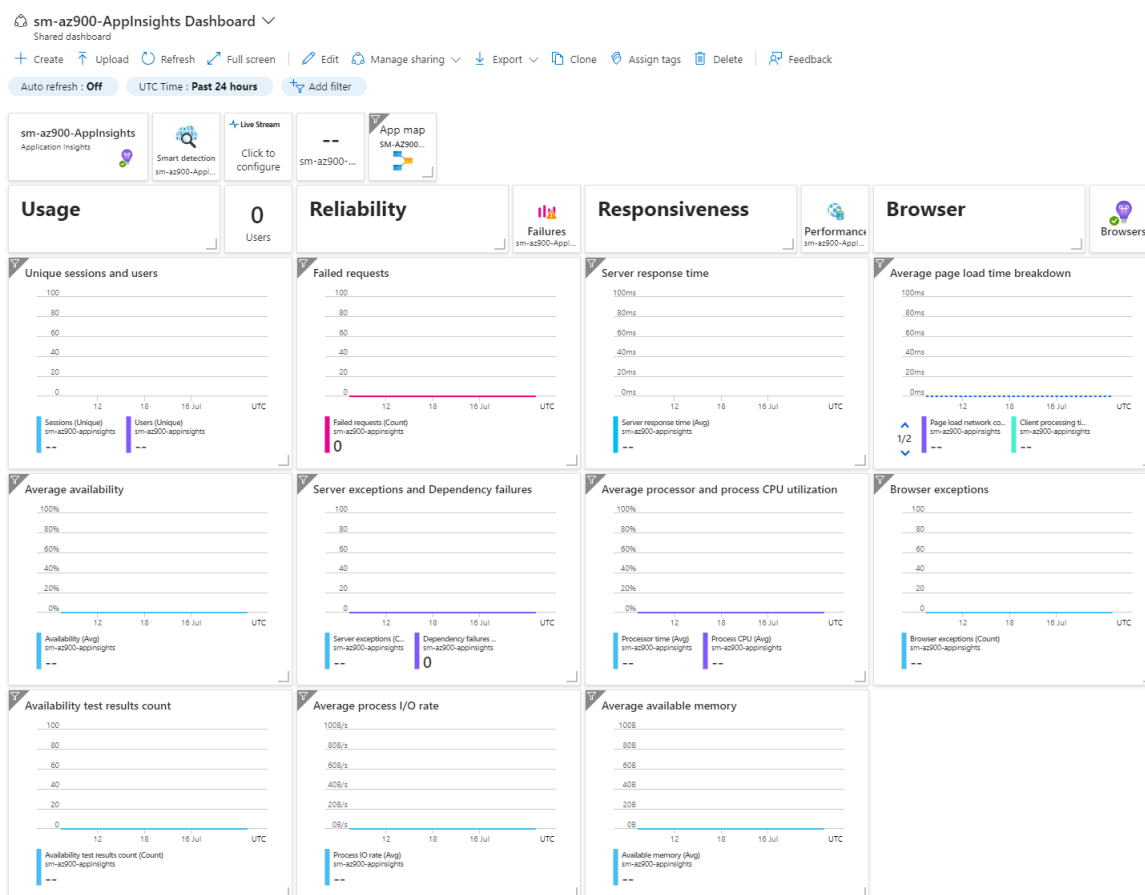


Figure 10.6 – Application Insights dashboard showing application performance and health at a glance

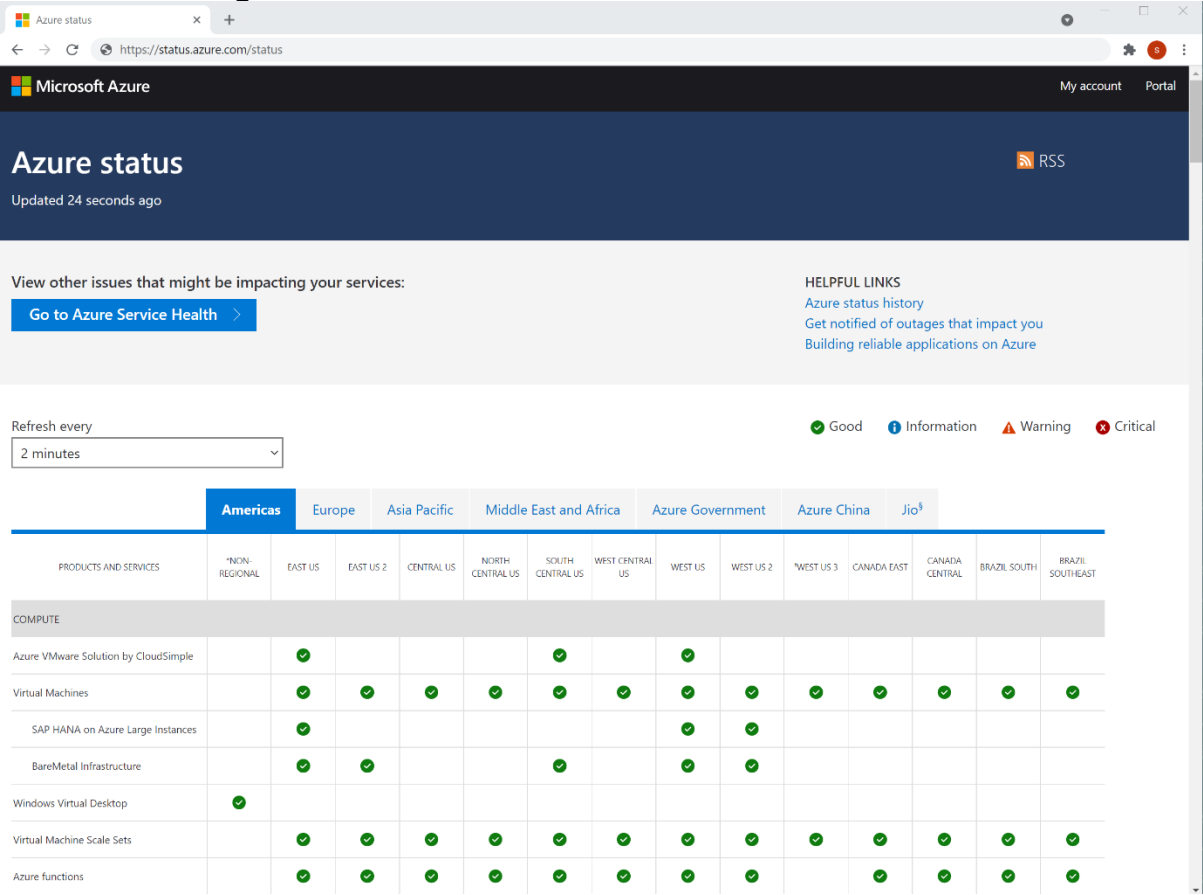


Figure 10.7 – Linking the Azure status page with Azure Service Health to view issues

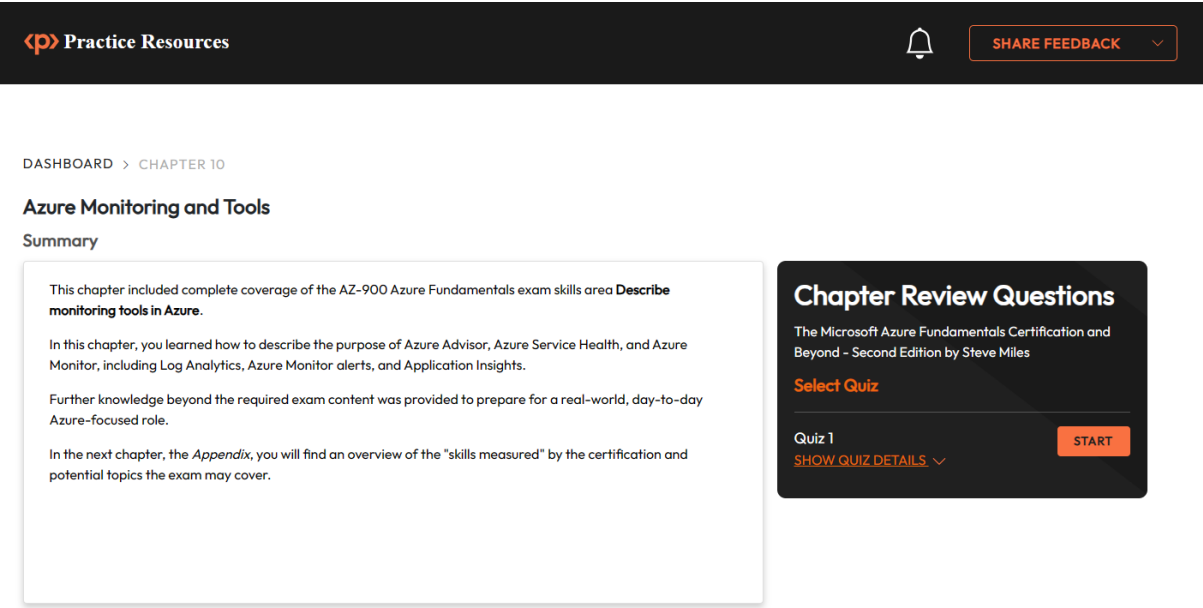



Figure 10.8 – Chapter Review Questions for Chapter 10

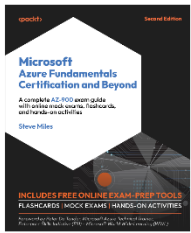
Chapter 11: Accessing the online practice resources

 Practice Resources


[REPORT ISSUE](#)

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☐ Yes, I have an existing Packt account ☐ No, I don't have a Packt account

[PROCEED](#)


Figure 11.2 – Unlock page for the online practice resources

 Practice Resources


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Figure 11.3 – Enter your unique sign-up code to unlock the resources

Practice Resources

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DASHBOARD > MOCK EXAM 1

Question 35 of 40

Time Left 0 hr 43 mins 20 secs

END QUIZ

Which of the following will directly reduce costs for an Azure subscription? (Choose MULTIPLE)

☐ Virtual Machines (VMs) that are in a stopped (deallocated) state

☐ Staffing costs and data center facility management costs

☐ Reducing the hours for which any service is running

☐ Location

☐ Pausing any services that support this feature

PREVIOUS

NEXT


SKIP QUESTION

Figure 11.4 – Page that shows up after a successful unlock

Practice Resources


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DASHBOARD



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A complete AZ-900 exam guide with online mock exams, flashcards, and hands-on activities

BACK TO THE BOOK



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Figure 11.5 – Dashboard page for AZ-900 practice resources

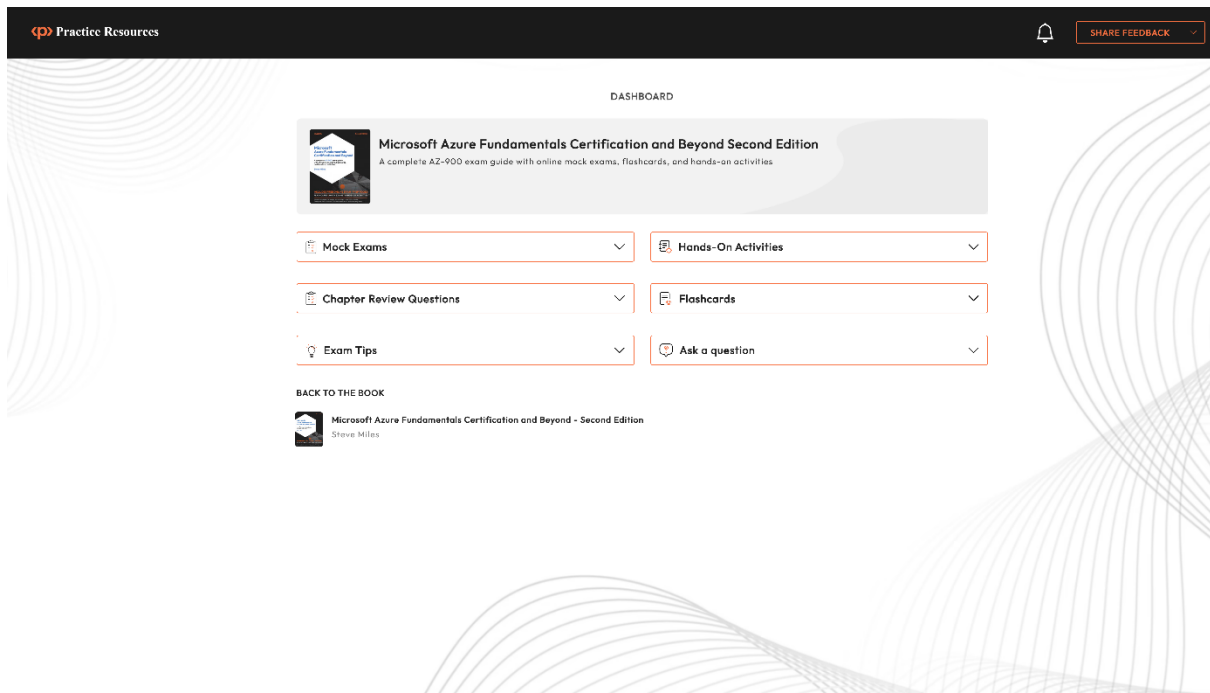


Figure 11.7 – Dashboard interface on a desktop device

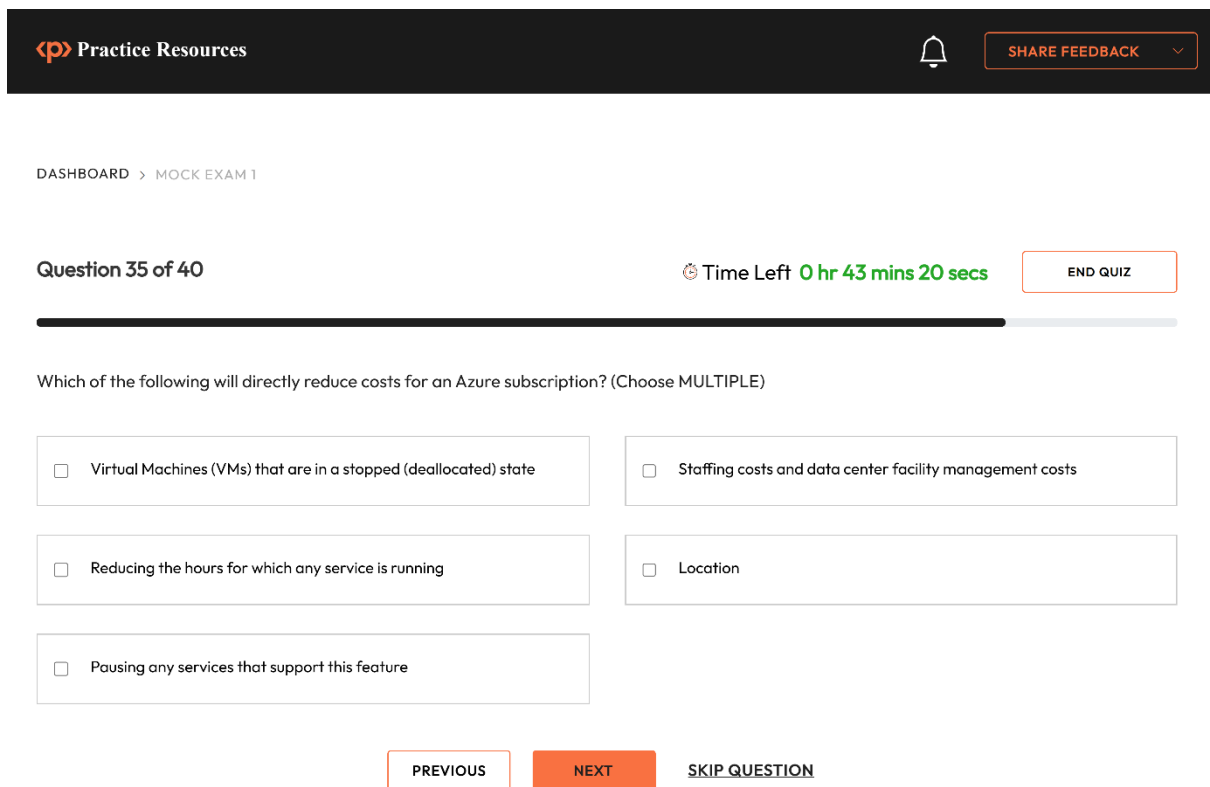


Figure 11.8 – Practice Questions Interface on a desktop device



DASHBOARD > MOCK EXAM 2

Question 18 of 40



Time Left **0 hr 44 mins 6 secs**

How does Azure handle disaster recovery?



Azure provides a minimum of two regions in a pair per geography.



Azure provides a minimum of three regions in a pair per geography.




Azure provides two geographies in a pair.


PREVIOUS


NEXT

SKIP QUESTION

Figure 11.9 – Quiz interface on a mobile device

 Practice Resources



SHARE FEEDBACK 

DASHBOARD > CHAPTER 1

Stack 1

Flashcards memorized so far: 0Flashcards not memorized yet: 6

☐ Mark as memorized


The shared responsibility model separates responsibilities between _____.


PREVIOUS


NEXT

4/6

Figure 11.10 – Flashcards interface

 Practice Resources




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DASHBOARD > EXAM TIPS

Determine your motivations for taking the exam (1/20)

Have you been mandated to pass or take the exam for personal career goals? Sometimes motivation can be hard, and you should always focus on the goal, positive outcome, results, the next steps after passing the exam, and what it will mean.

Always refer to your motivations and keep a positive mental attitude.

 PREVIOUS


NEXT 


☐ Mark as Helpful (0 users found this tip helpful)

Comments

Add your comment

Figure 11.11 – Exam Tips Interface

 Practice Resources



DASHBOARD > CHAPTER 1

Introduction to Cloud Computing

Summary

This chapter included complete coverage of the AZ-900 Azure Fundamentals exam skills area: **Describe Cloud Concepts**

In this chapter, you learned how to define cloud computing; describe the shared responsibility model; define cloud models, including public, private, and hybrid; identify appropriate use cases for each cloud model; describe the consumption-based model; describe IaaS; describe PaaS; describe SaaS; and identify appropriate use cases for each cloud service (IaaS, PaaS, and SaaS).

Further knowledge beyond the required exam content was provided to prepare you for a real-world, day-to-day, Azure-focused role. In the next chapter, you will look at the benefits of using cloud services.

Chapter Review Questions

The Microsoft Azure Fundamentals Certification and Beyond – Second Edition by Steve Miles


Select Quiz


Quiz 1

[SHOW QUIZ DETAILS](#)

START

Figure 11.12 – Chapter Review Questions Page

 Practice Resources



DASHBOARD > RESOURCE GROUPS

Resource Groups

Book: Microsoft Azure Fundamentals Certification and Beyond – Second Edition

Progress: 0% completed

Description:

In this activity, you will work with a resource group. The tasks performed in this activity align with Chapter 3.

To recap, a resource group is a logical entity that groups resources that share the same life cycle, permissions, and policies.

NOTE: In contrast to management groups, resource groups are a flat structure. There is no hierarchy or nested resource groups. There is no root/branch or parent/child relationship.

Tasks

START

Task No	Task	Status	Open	Mark as Complete
1	REQUIREMENTS <i>Important</i>	Not Started	OPEN REQUIREMENTS	<input type="checkbox"/>
2	Task 1	Not Started	OPEN TASK	<input type="checkbox"/>
3	Task 2	Not Started	OPEN TASK	<input type="checkbox"/>
4	Task 3	Not Started	OPEN TASK	<input type="checkbox"/>
5	Task 4	Not Started	OPEN TASK	<input type="checkbox"/>
6	Task 5	Not Started	OPEN TASK	<input type="checkbox"/>

Figure 11.13 – Example of a hands-on activity

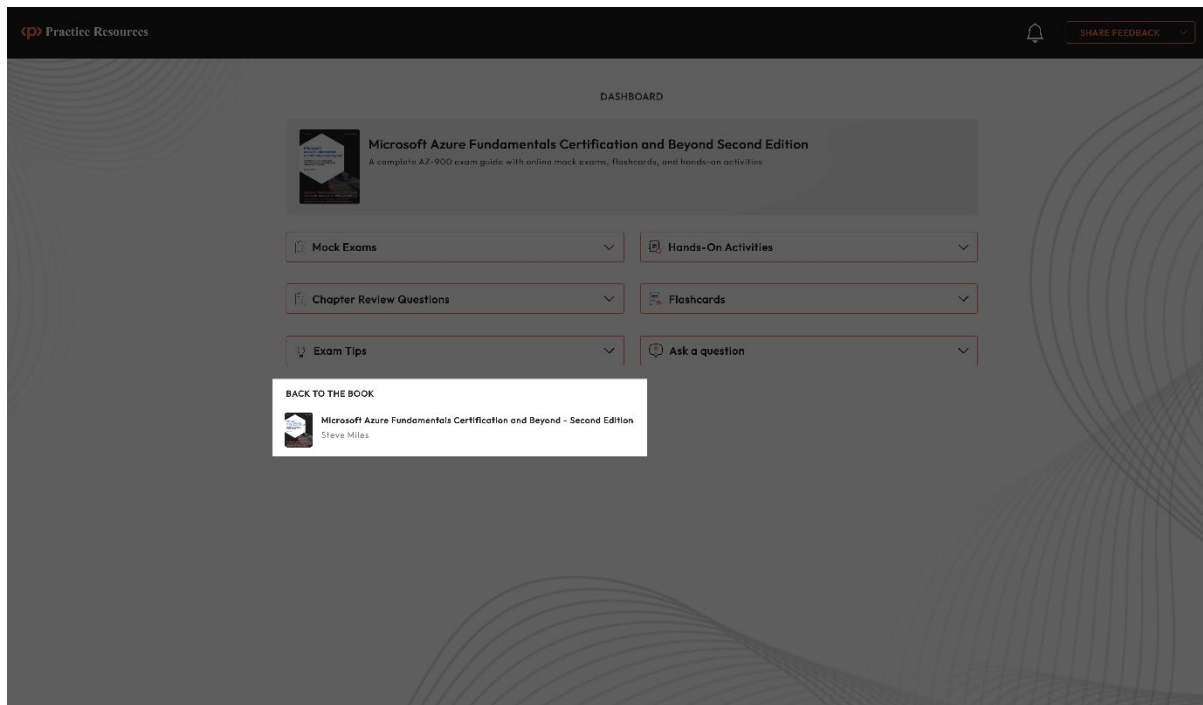


Figure 11.14 – Jump back to the book from the dashboard