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Microsoft Azure Developer Associate (AZ-204) Crash Course

Developing Solutions for Microsoft Azure

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Cloud Consultant and Trainer

linkedin.com/in/rezasalehi2008

Pulse Check: Are you familiar with Azure Fundamentals?

Microsoft Azure Fundamentals (AZ-900) Certification Course, 2nd Edition

Continue

4h 55m remaining

With your instructor

Reza Salehi

+ Add to playlist

Associated roles

Cloud native engineer | Cloud solutions architect | Cybersecurity engineer | Database administrator

+1 more

Skills covered

AZ-900: Microsoft Azure Fundamentals

AZ-303: Microsoft Azure Architect...

AZ-500: Microsoft Azure Security...

AI-900: Microsoft Azure AI Fundamentals

Includes quizzes

Test your knowledge during the course and with a final quiz.

October 2024

O'Reilly Media, Inc.

Learning Outcomes

- Gain knowledge of Azure cloud concepts and services
- Explore Azure services in greater depth
- Get ready for Exam AZ-900: Microsoft Azure Fundamentals
- Comfortably work with the Azure portal

The Microsoft Azure Fundamentals (AZ-900) exam is one of the most popular certifications for those who are just beginning to work with cloud-based solutions and services or who are new to Azure. The exam certifies knowledge of cloud concepts, Azure services, workloads, security and privacy, and pricing and support.

In this self-paced course, Reza Salehi will help you get familiar with Microsoft Azure's cloud services and begin your Azure certification journey. This course is aligned to the AZ-900 exam objective domains and has recently been updated to reflect the most current version of the exam (2024). It covers all the services and concepts in the Azure ecosystem you need to know in order to prepare for the test.

What you'll learn and how to apply it

By the end of this certification course, you will understand the following:

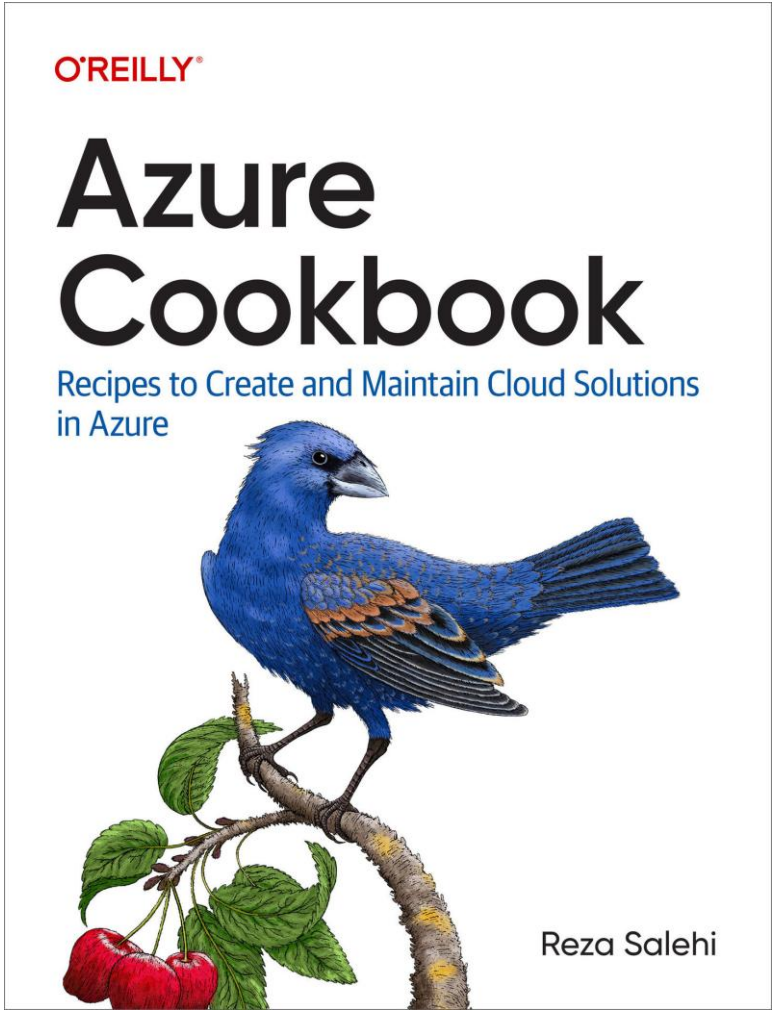
- General cloud concepts
- Core Azure services
- Core solutions and management tools on Azure
- General security and network security features
- Identity, governance, privacy, and compliance features
- Azure cost management and service-level agreements

Azure Cookbook

https://learning.oreilly.com/library/view/azure-cookbook/9781098135782/

https://www.amazon.ca/Azure-Cookbook-Recipes-Maintain-Solutions/dp/1098135792/

https://www.amazon.com/Azure-Cookbook-Recipes-Maintain-Solutions/dp/1098135792



CERTIFICATION

Microsoft Certified: Azure Developer Associate

Build end-to-end solutions in Microsoft Azure to create Azure Functions, implement and manage web apps, develop solutions utilizing Azure storage, and more.

At a glance

Level

Product

Prepare for the exam

COURSE

Developing Solutions for Microsoft Azure

Continue course >

Training in this course

AZ-204: Implement Azure App Service web apps

2 hr 3 min • Learning Path • 4 units

AZ-204: Implement Azure Functions

53 min • Learning Path • 2 units

AZ-204: Develop solutions that use Blob storage

1 hr 19 min • Learning Path • 3 units

AZ-204: Develop solutions that use Azure Cosmos DB

Take the exam

You will have **100 minutes** to complete this assessment.

Exam policy

This exam will be proctored, and is not open book. You may have interactive components to complete as part of this exam. To learn more about exam duration and experience, visit: Exam duration and exam experience.

If you fail a certification exam, don't worry. You can retake it 24 hours after the first attempt. For subsequent retakes, the amount of time varies. For full details, visit: Exam retake policy.

Need accommodations?

We offer a variety of accommodations to support you.

Learn More

This exam is offered in the following languages:

English, Japanese, Chinese (Simplified), Korean, French, German, Spanish, Portuguese (Brazil), Russian, Chinese (Traditional), Italian, Indonesian (Indonesia), Arabic (Saudi Arabia)

Schedule through Pearson Vue

United States

Pulse Check: Are you an application developer?

Course Overview

AZ-204 Skills Measured

Exam AZ-204: Developing Solutions for Microsoft Azure

Questions & Resources

- Please post questions in the Q&A box
- The course repository
  - https://github.com/zaalion/oreilly-az-204

- Reach out:
  - @zaalion

AZ-204 Candidate Profile

- Professionals who:
  - Have subject matter expertise designing, building, testing, and maintaining cloud applications and services on Microsoft Azure.

Azure Developer Associate

- Should have at least 2 years of professional development experience
- Experience with Microsoft Azure
- Can program in a language supported by Azure

AZ-204 Candidates

- Proficiency in
  - Azure SDKs, Azure PowerShell, Azure CLI,
  - Data storage options, data connections, APIs,
  - App authentication and authorization
  - Compute and container deployment
  - Debugging, performance tuning, and monitoring.

AZ-204 Skills Measured

- Skills measured:
  - Develop Azure compute solutions (25-30%)
  - Develop for Azure storage (15-20%)
  - Implement Azure security (15-20%)
  - Monitor and troubleshoot Azure solutions (5-10%)
  - Connect to and consume Azure services and third-party services (20-25%)

Course Repository

https://github.com/zaalion/oreilly-az-204

zaalion / oreilly-az-204 Public

Code Issues Pull requests Actions Projects Wiki Security 10 Insights Settings

master 1 branch 0 tags

Go to file Add file Code

rezasalehinewsig Updated slide deck PDF

Demos	demo files arrangement
.gitignore	Demos
AP-204 Resources.pdf	Resource updates
OReilly-AZ-204-Slide-Deck.pdf	Updated slide deck PDF

Help people interested in this repository understand your project by adding a

Local Codespaces New

Clone

HTTPS SSH GitHub CLI

https://github.com/zaalion/oreilly-az-204.git

Use Git or checkout with SVN using the web URL.

Open with GitHub Desktop

Open with Visual Studio

Download ZIP

Develop Azure Compute Solutions

Develop Azure Compute Solutions

- Implement containerized solutions
- Create Azure App Service Web Apps
- Implement Azure functions

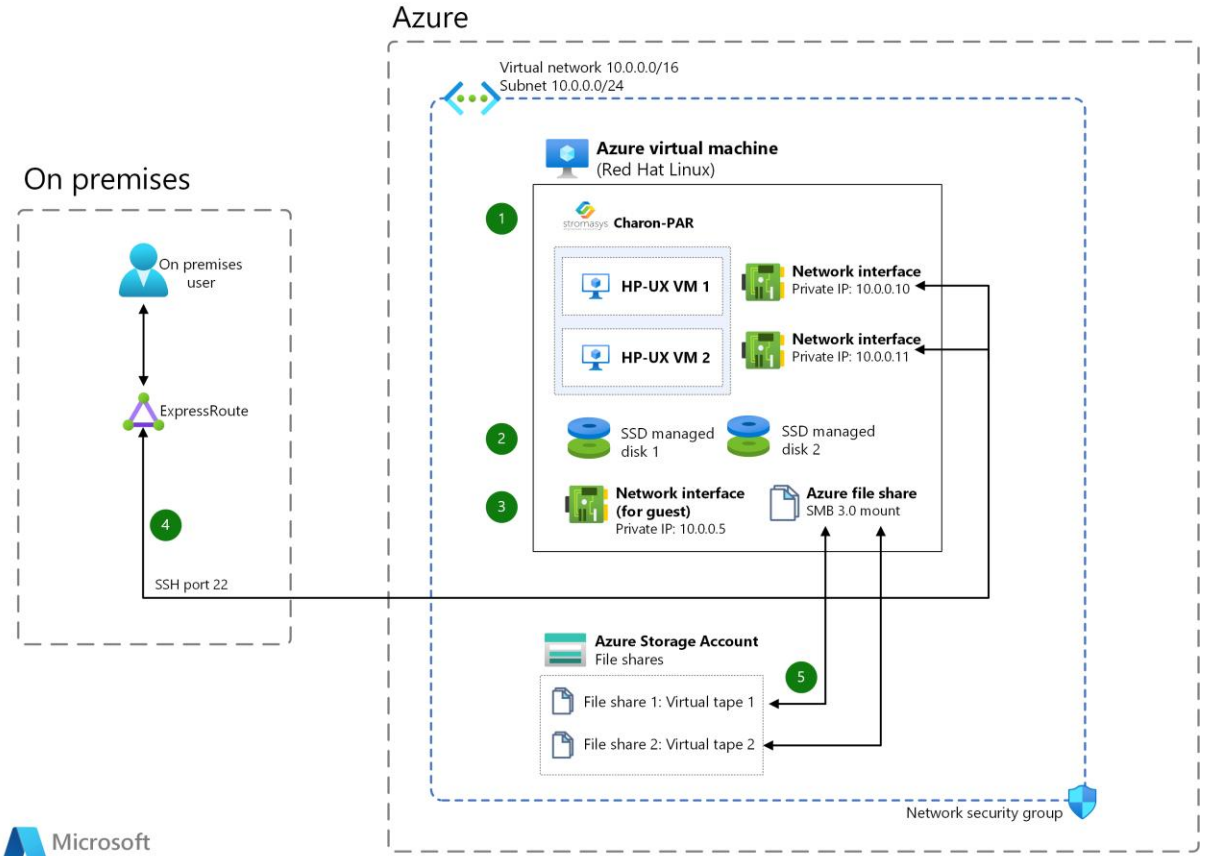
Poll 1 (21): You need to deploy a containerized application without managing infrastructure, while ensuring quick startup and per-second billing. Which Azure service should you use?

- Virtual Machines
- Azure Kubernetes Service (AKS)
- Azure Container Instances (ACI)
- Azure App Service

Implement containerized solutions

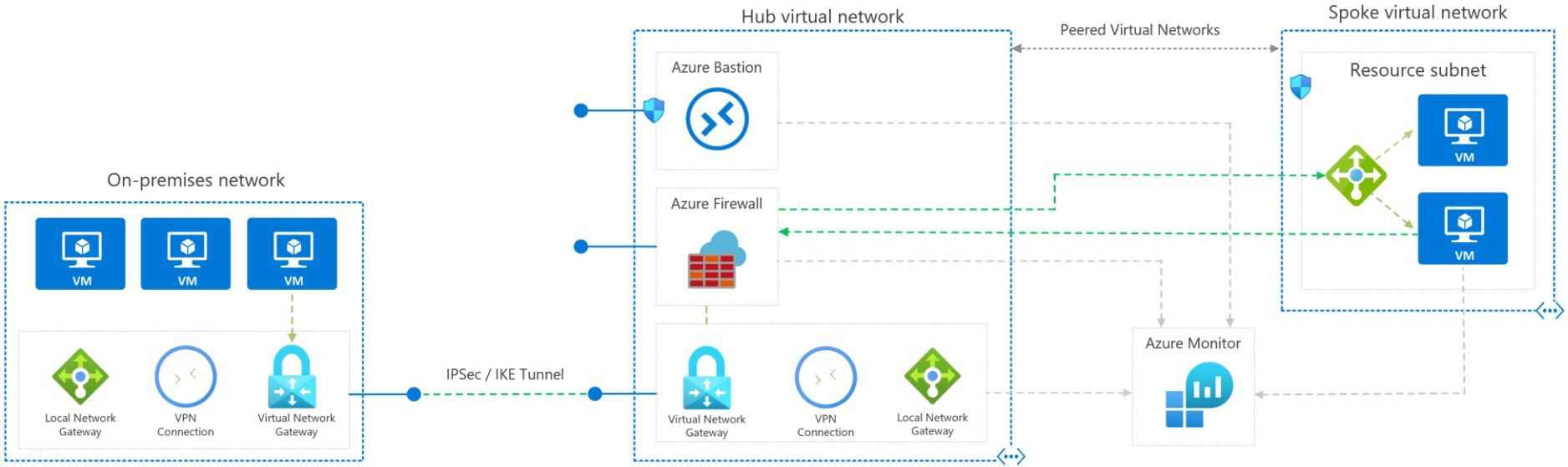
- Create and manage container images for solutions [see 1 2]
- Publish an image to the Azure Container Registry [see 1 2 3 4]
- Run containers by using Azure Container Instance [see 1 2 3]
- Create solutions by using Azure Container Apps [see 1 2]

Implement IaaS solutions



Microsoft Azure

Implement IaaS solutions

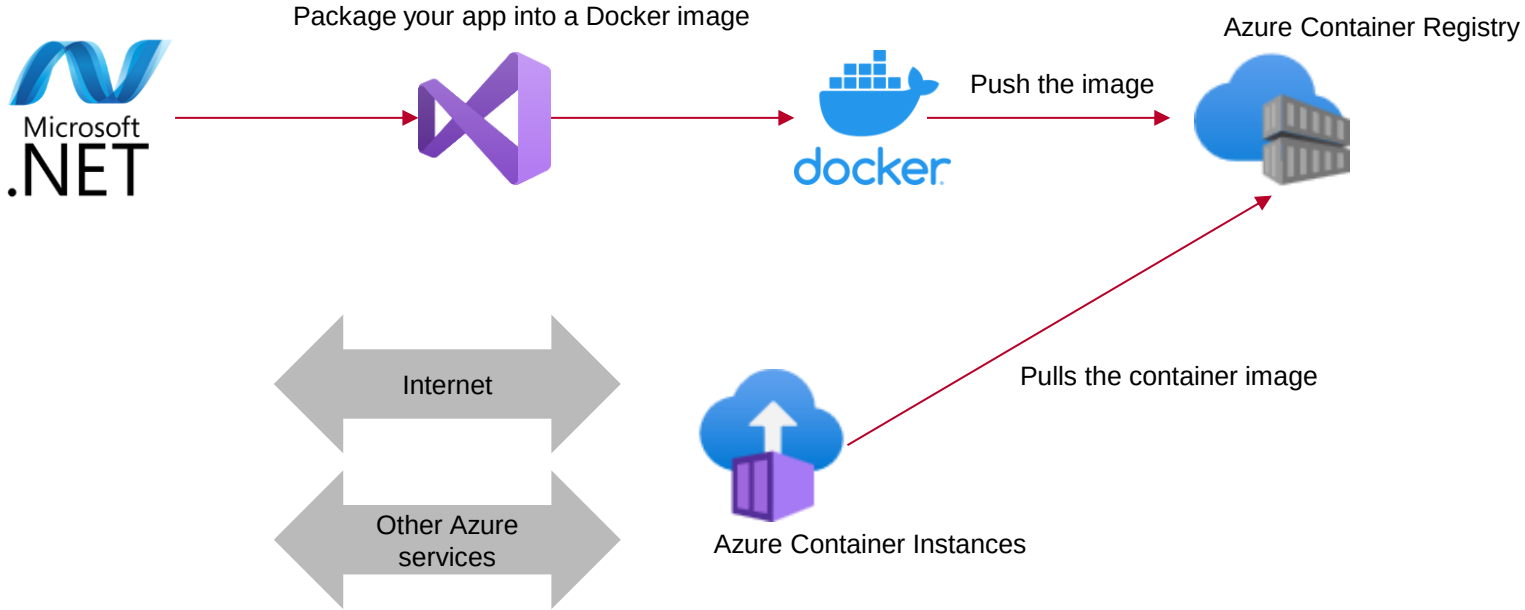


ARM Templates

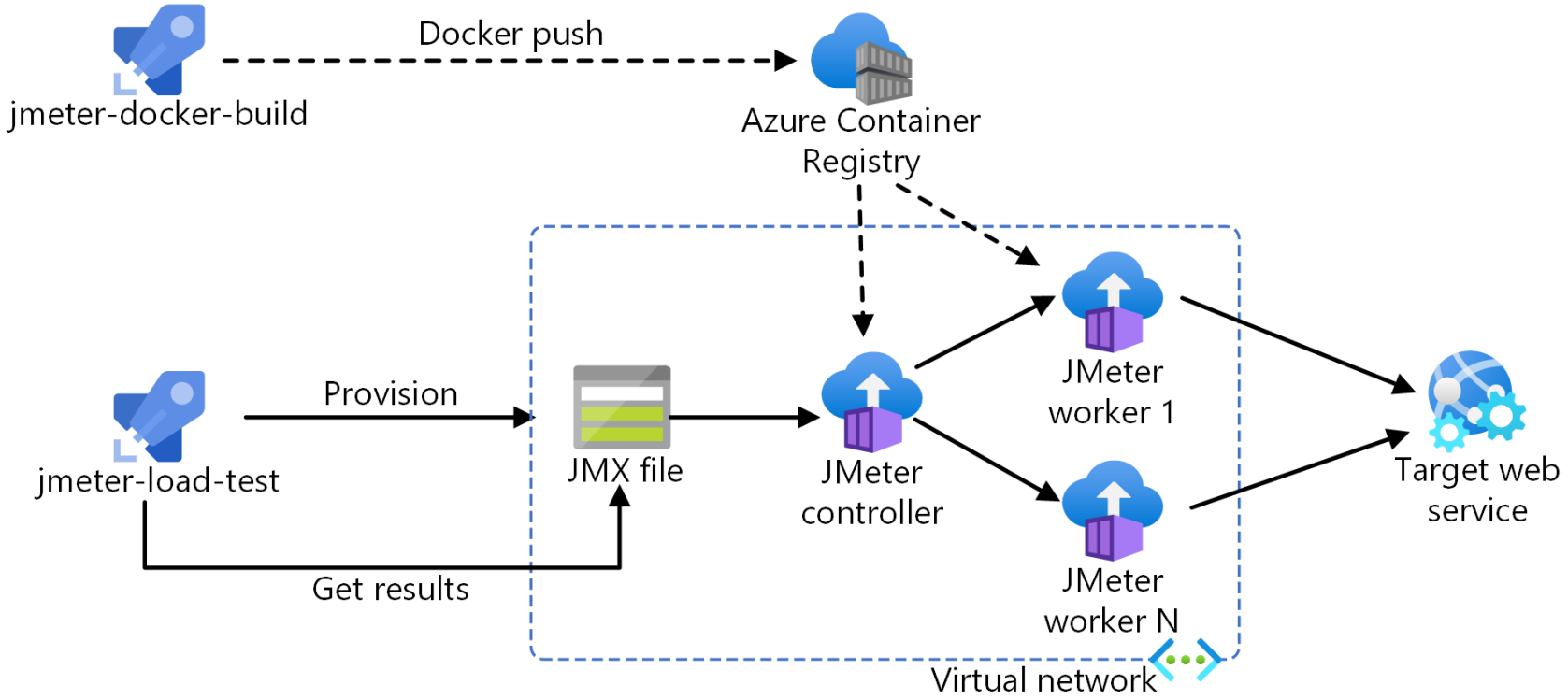
JSON Copy

```
{
  "$schema": "https://schema.management.azure.com/schemas/2019-04-01/deploymentTemplate.json#",
  "contentVersion": "",
  "apiProfile": "",
  "parameters": {  },
  "variables": {  },
  "functions": [  ],
  "resources": [  ],
  "outputs": {  }
}
```

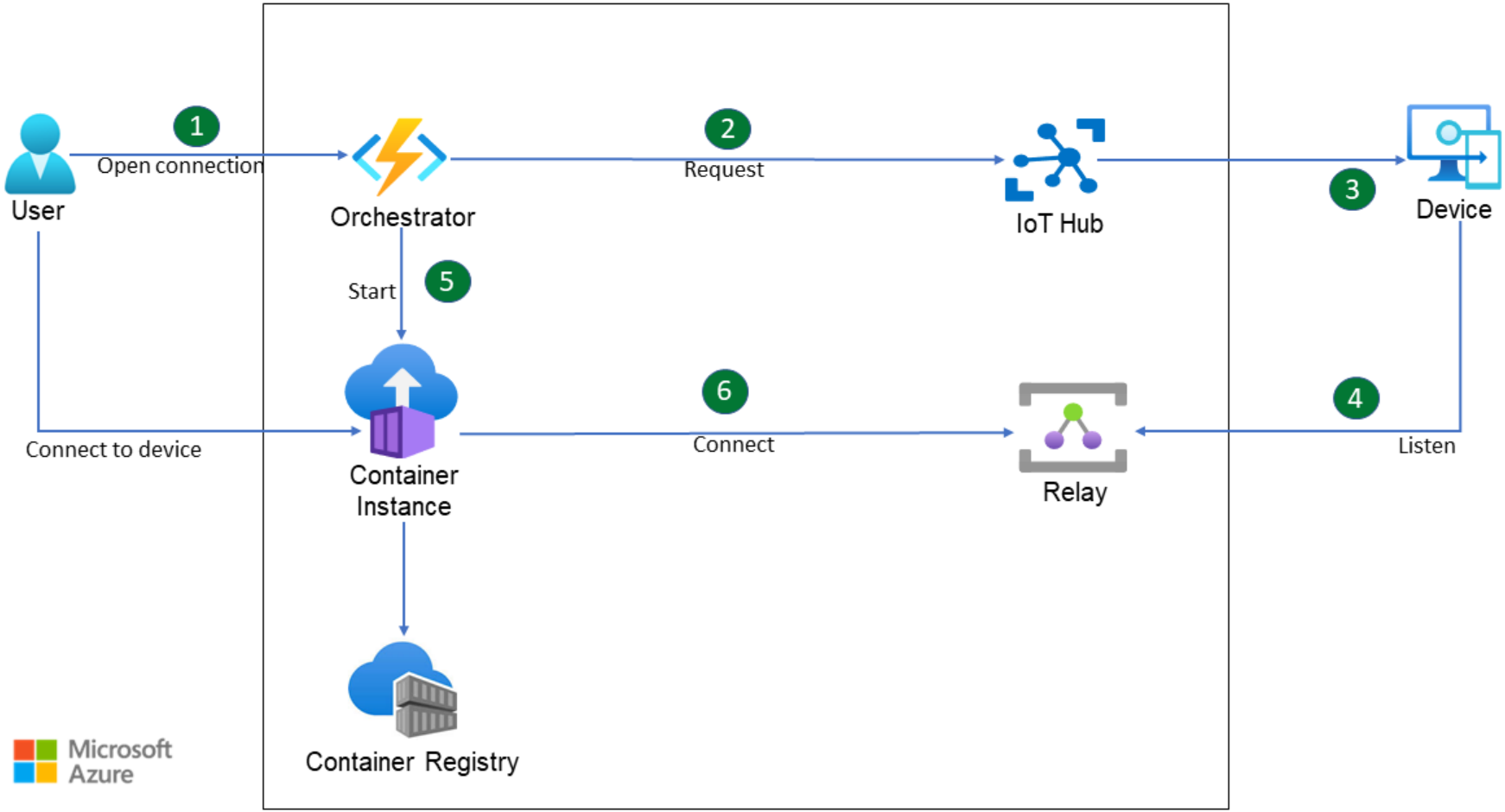
Host Your Code in ACI

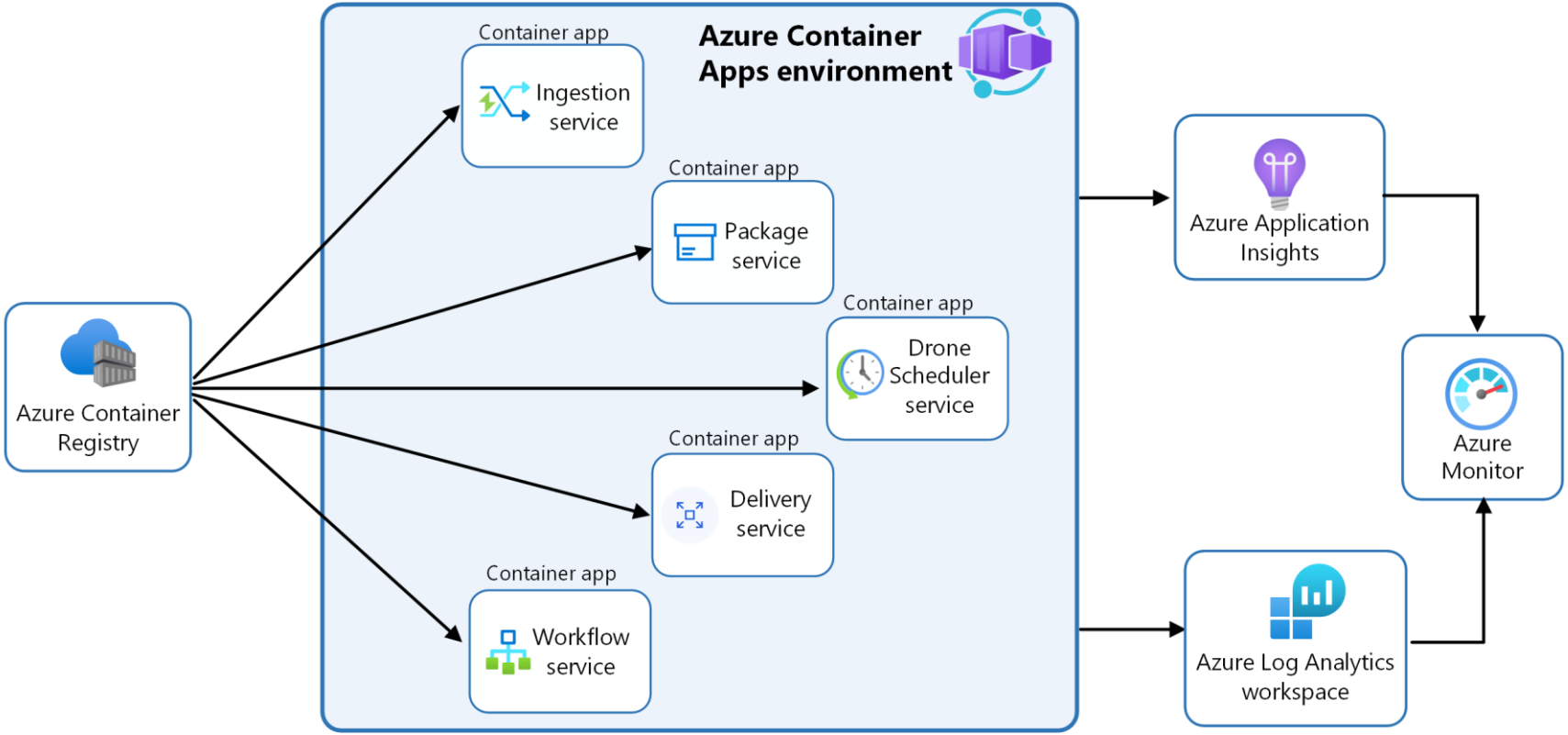


https://docs.microsoft.com/en-us/azure/container-instances/container-instances-overview

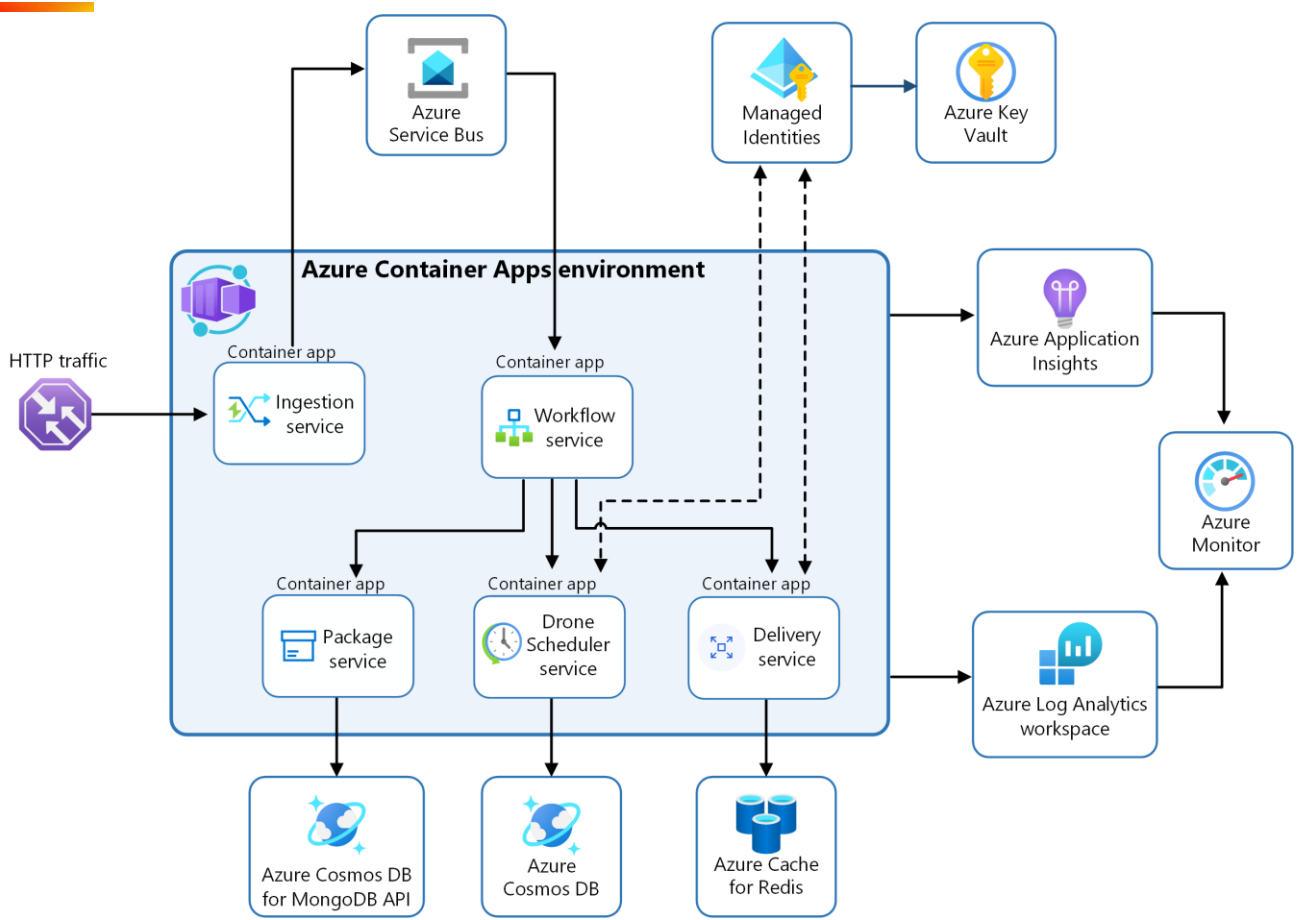


Microsoft Azure


1
Open connection
User
Orchestrator
2
Request
IoT Hub
3
Device
Start
5
Container
Instance
6
Connect
Relay
4
Listen
Connect to device
Container Registry
Microsoft
Azure



Microsoft Azure



Microsoft Azure

Create Azure App Service Web Apps

- Create an Azure App Service Web App [see 1 2 3]
- Configure and implement diagnostics and logging [see 1]
- Deploy code and containerized solutions [see 1 2 3 4]
- Configure settings including Transport Layer Security (TLS), API settings, and service connections [see 1 2]
- Implement autoscaling [see 1]
- Configure deployment slots [see 1 2]

Azure App Services

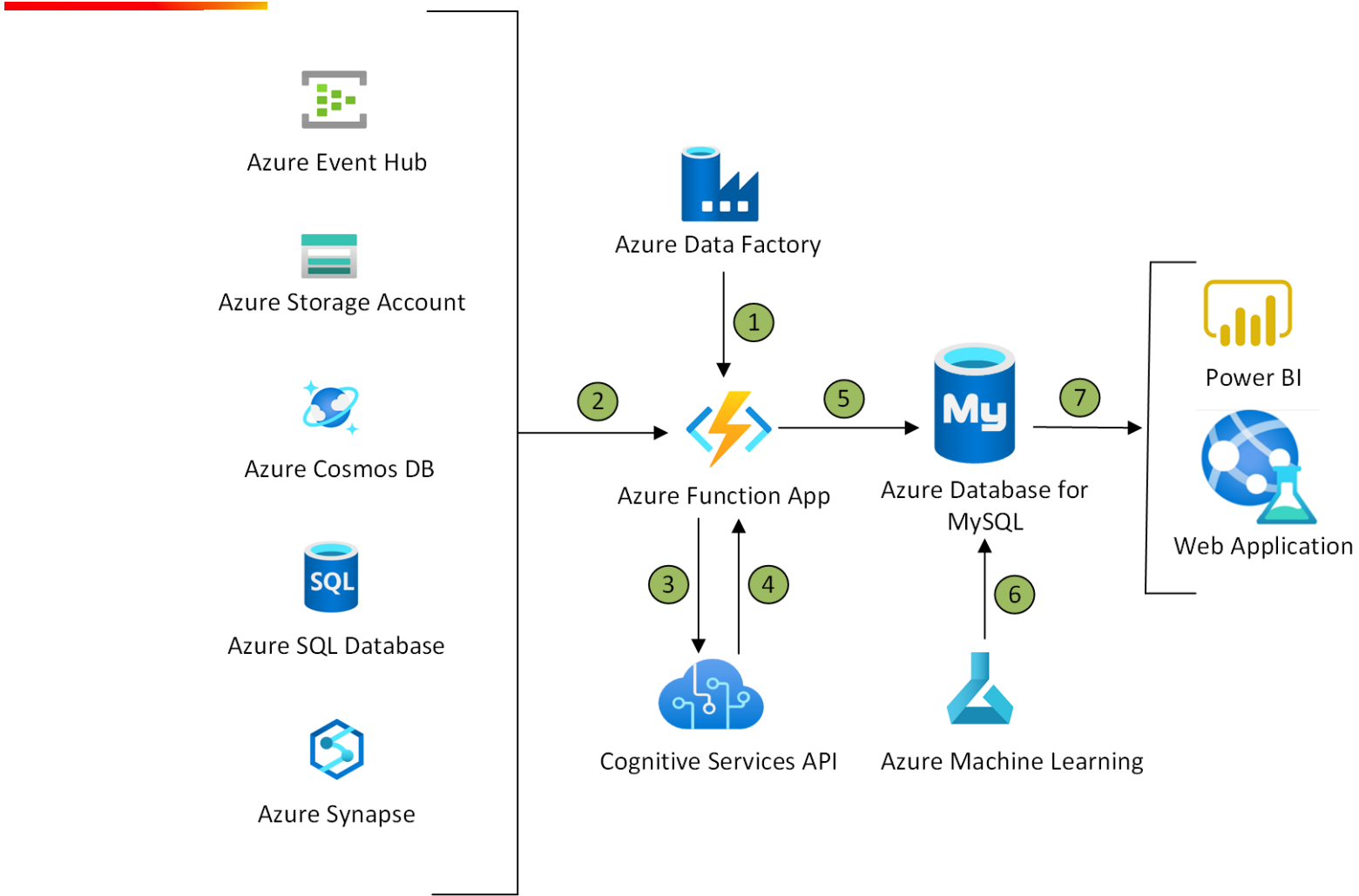
Azure App Service is an HTTP-based service for hosting web applications, REST APIs, and mobile back ends. It can host .NET, .NET Core, Java, Ruby, Node.js, PHP, or Python code

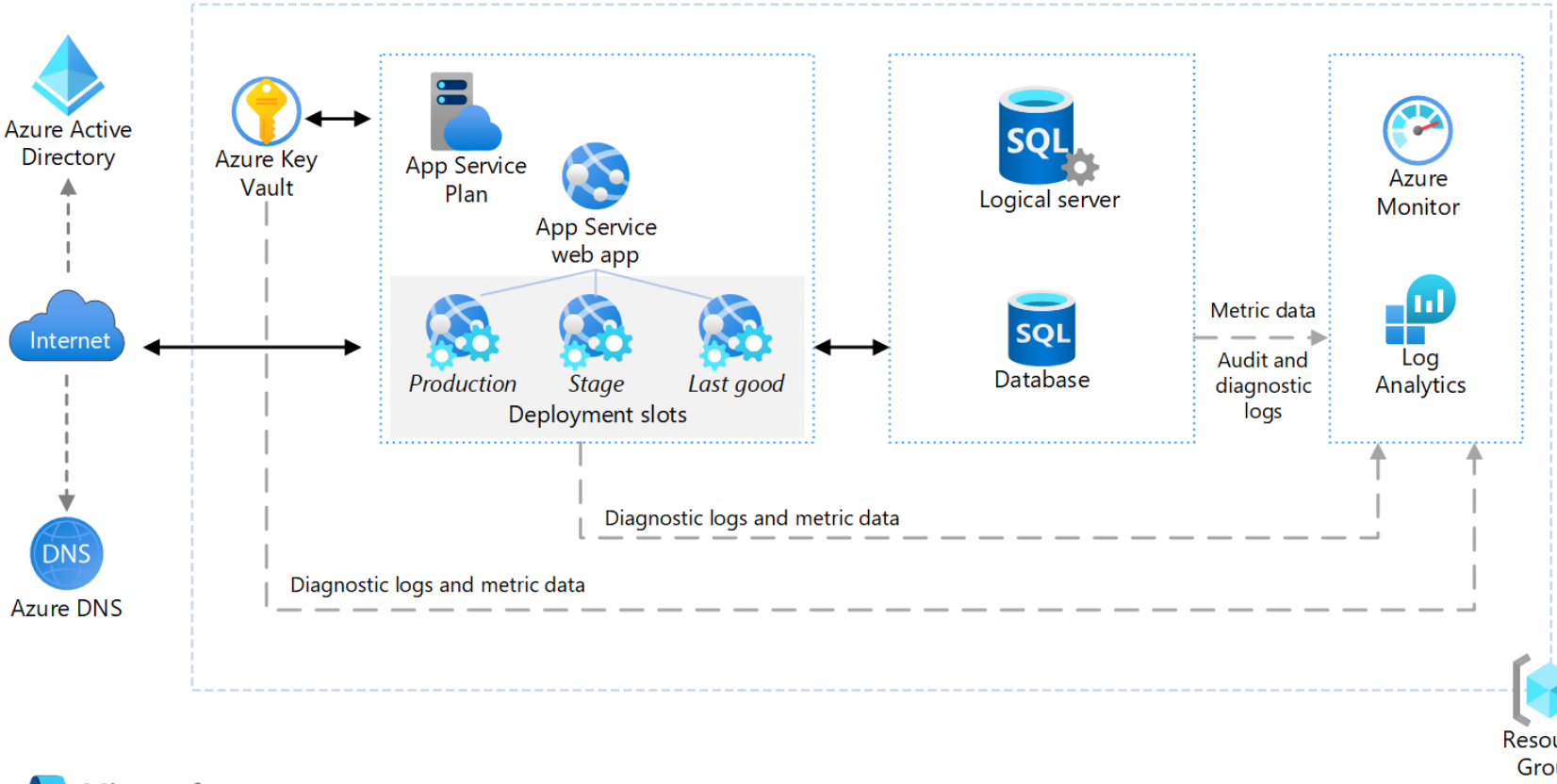
https://docs.microsoft.com/en-us/azure/app-service/overview

Azure App Services

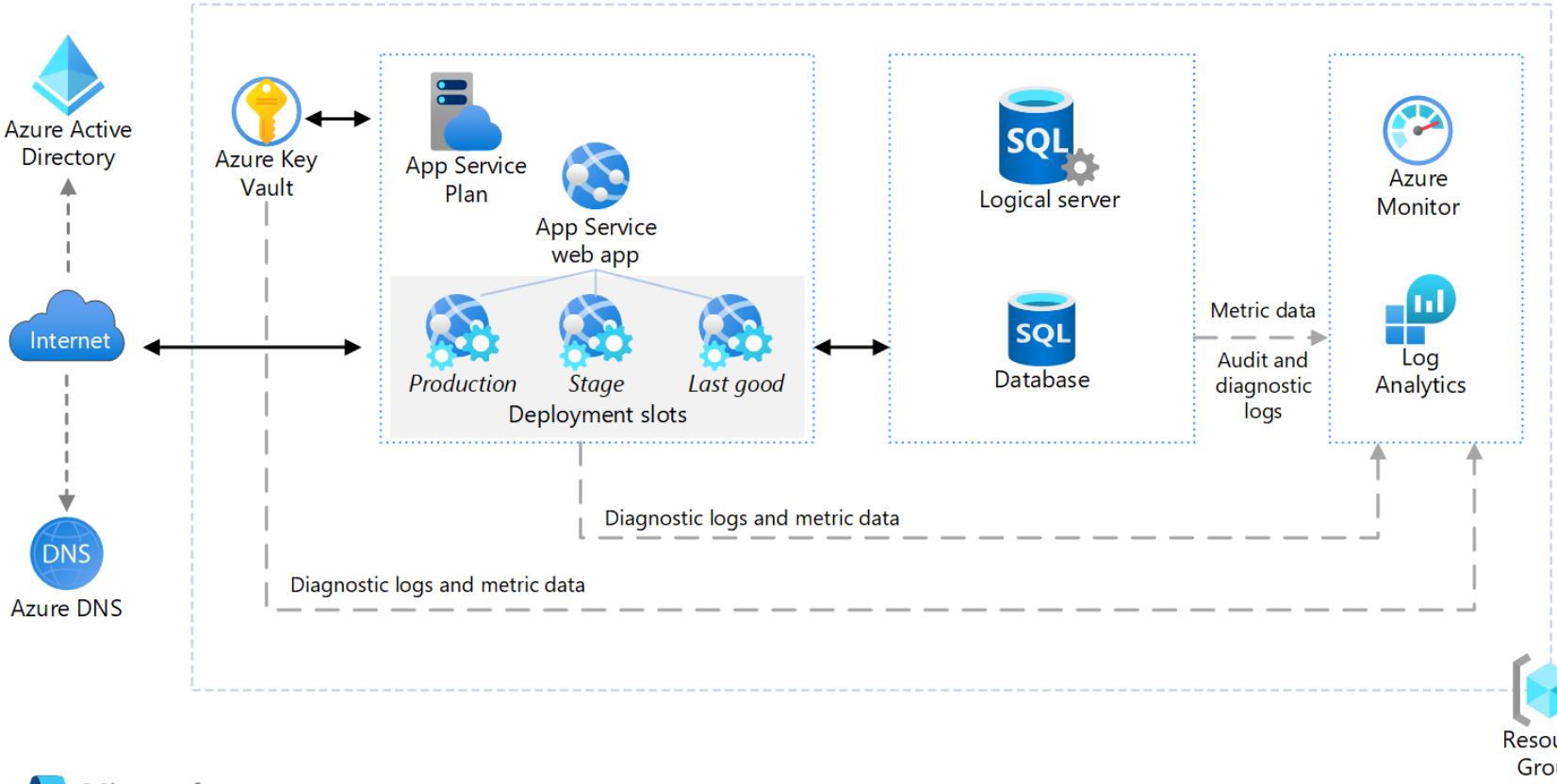
- Is a PaaS service, which means less administrative overhead comparing to IaaS services
- The service is managed by Azure. You just deploy your code and run it
- Host websites and RESTful APIs using the web app feature
- Other apps such as mobile app back ends or automated business processes
- Use for legacy and new applications
- Global scale with high availability

https://docs.microsoft.com/en-us/azure/app-service/overview


Azure Event Hub
Azure Storage Account
Azure Cosmos DB
Azure SQL Database
Azure Synapse
Azure Data Factory
1
2
Azure Function App
3
4
Cognitive Services API
5
Azure Database for MySQL
6
Azure Machine Learning
7
Power BI
Web Application



Microsoft Azure



Microsoft Azure

Implement Azure functions

- Create and configure an Azure Function App [see 1 2 3]
- Implement input and output bindings [see below]
- Implement function triggers by using data operations, timers, and webhooks [see 1 2 3 4]

Poll 2 (39): You need to host a backend HTTP API that handles unpredictable traffic spikes, scales automatically, and minimizes management overhead. Which Azure service is the best choice?

- Virtual Machines
- Azure Function Apps
- Azure Web Apps
- Azure Container Instances

Azure Functions

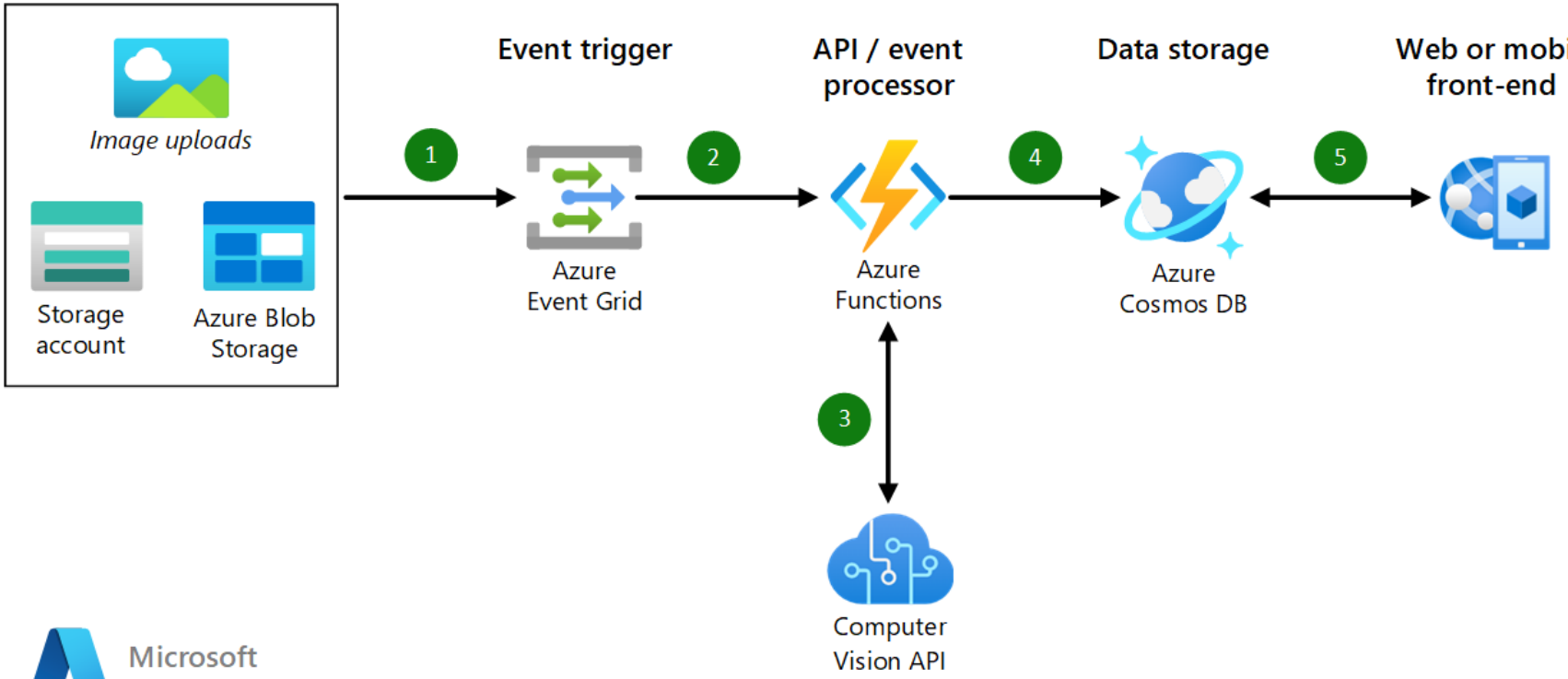
- Run isolated pieces of code in a serverless solution.
- Best to host microservices and APIs (HTTP, and other types)

https://docs.microsoft.com/en-us/azure/azure-functions/functions-overview

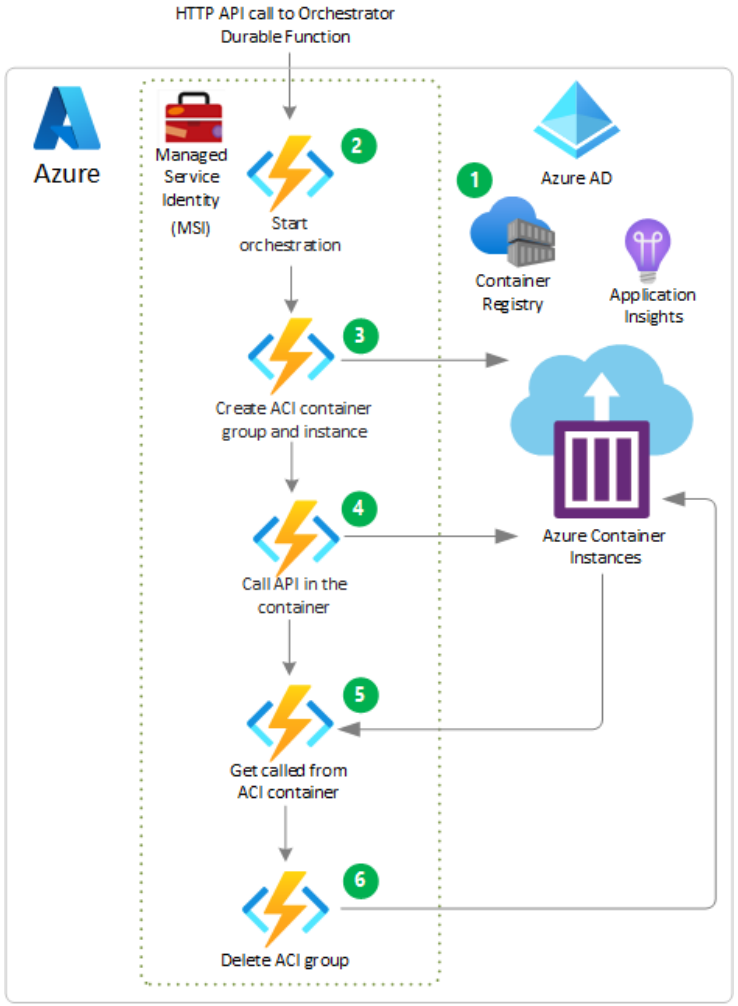
Azure Functions

- A serverless PaaS
- The service is managed by Azure. Just deploy your code and run it
- Host APIs and microservices
- Use for legacy and new applications
- Automatic scale and high availability

https://docs.microsoft.com/en-us/azure/azure-functions/functions-overview



Microsoft Azure


HTTP API call to Orchestrator Durable Function
Azure
Managed Service Identity (MSI)
2
Start orchestration
1
Azure AD
Container Registry
Application Insights
3
Create ACI container group and instance
4
Call API in the container
Azure Container Instances
5
Get called from ACI container
6
Delete ACI group

Develop for Azure Storage

Develop for Azure storage

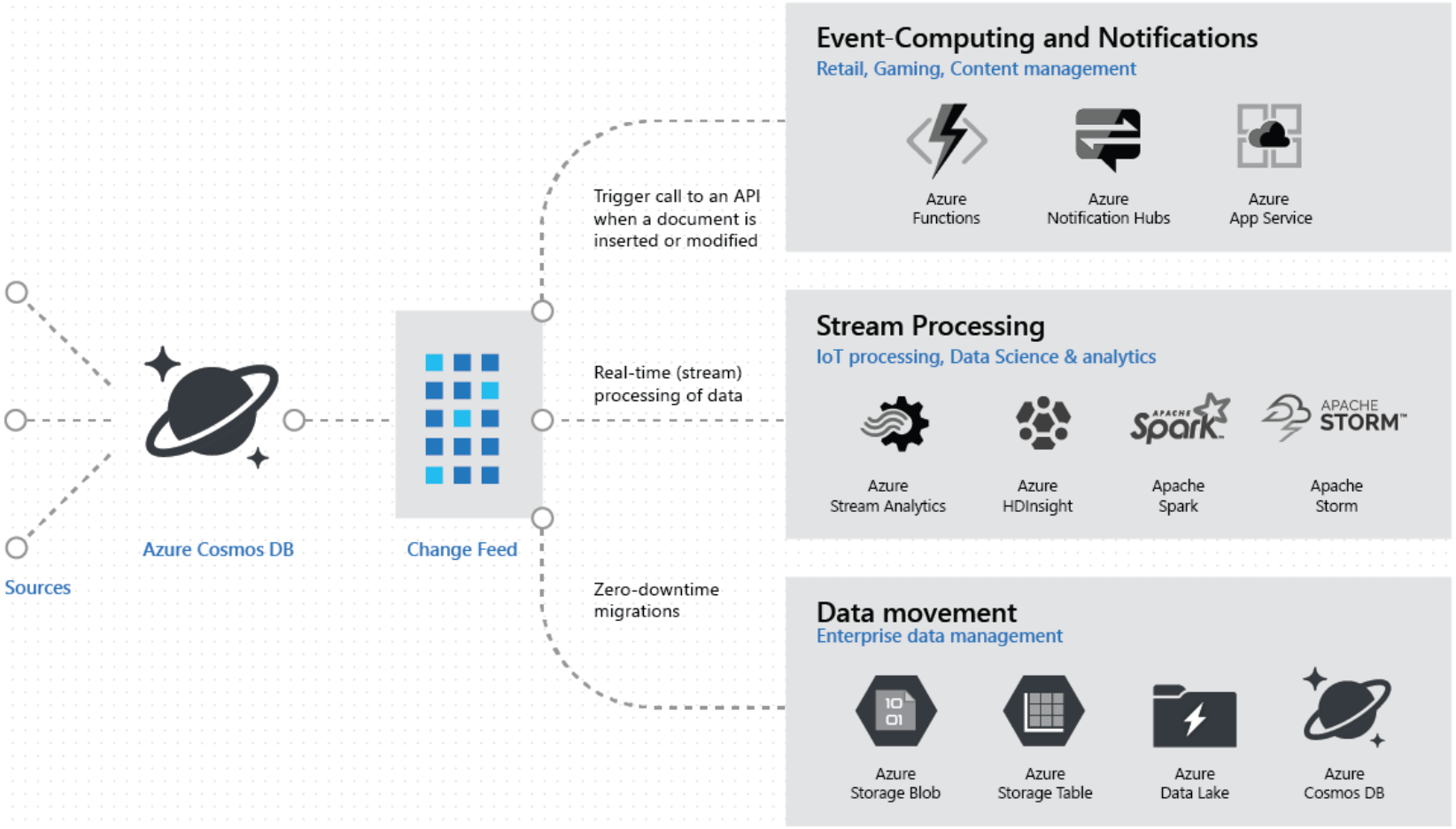
- Develop solutions that use Azure Cosmos DB
- Develop solutions that use Azure Blob Storage

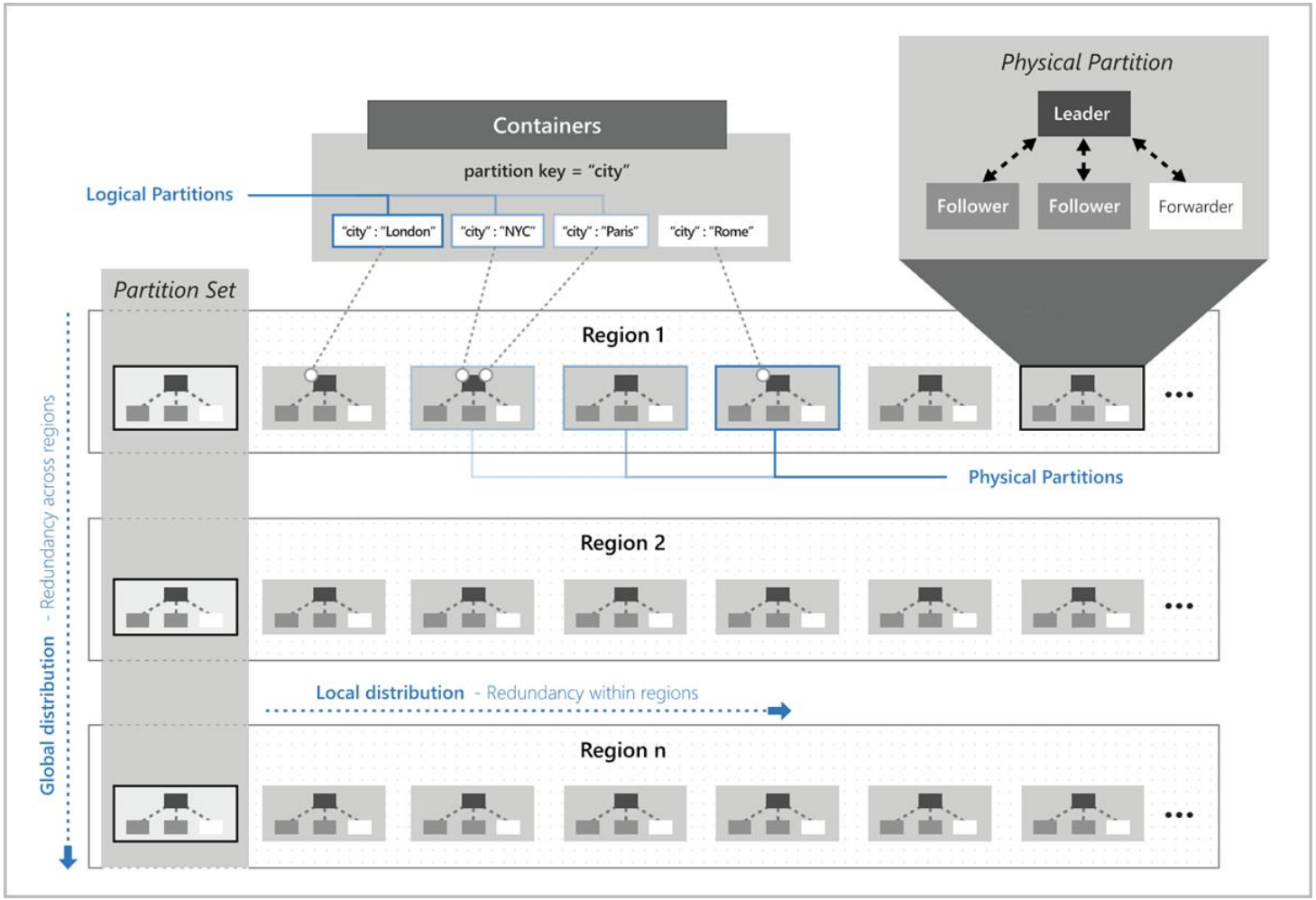
Develop solutions that use Azure Cosmos DB

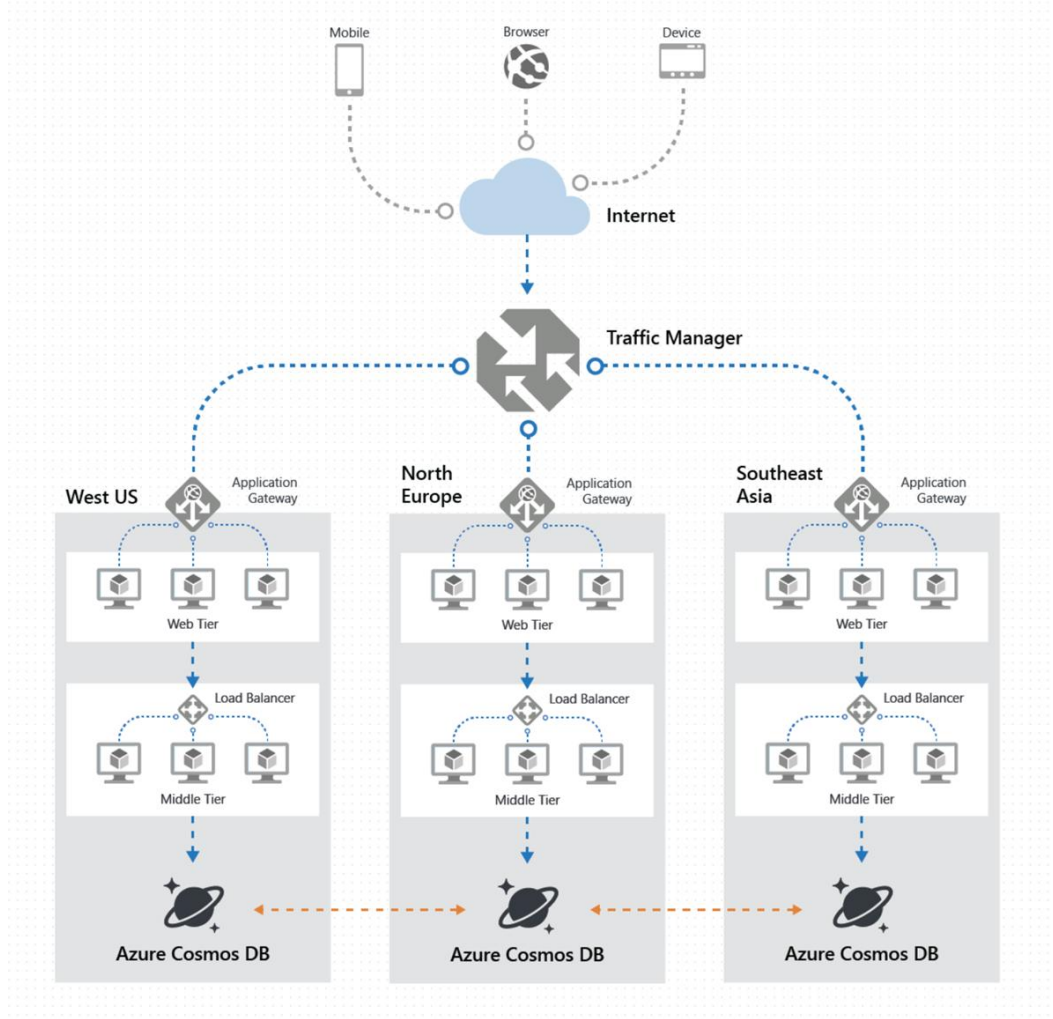
- Perform operations on containers and items by using the SDK [see 1 2]
- Set the appropriate consistency level for operations [see 1]
- Manage change feed notifications [see 1, 2]

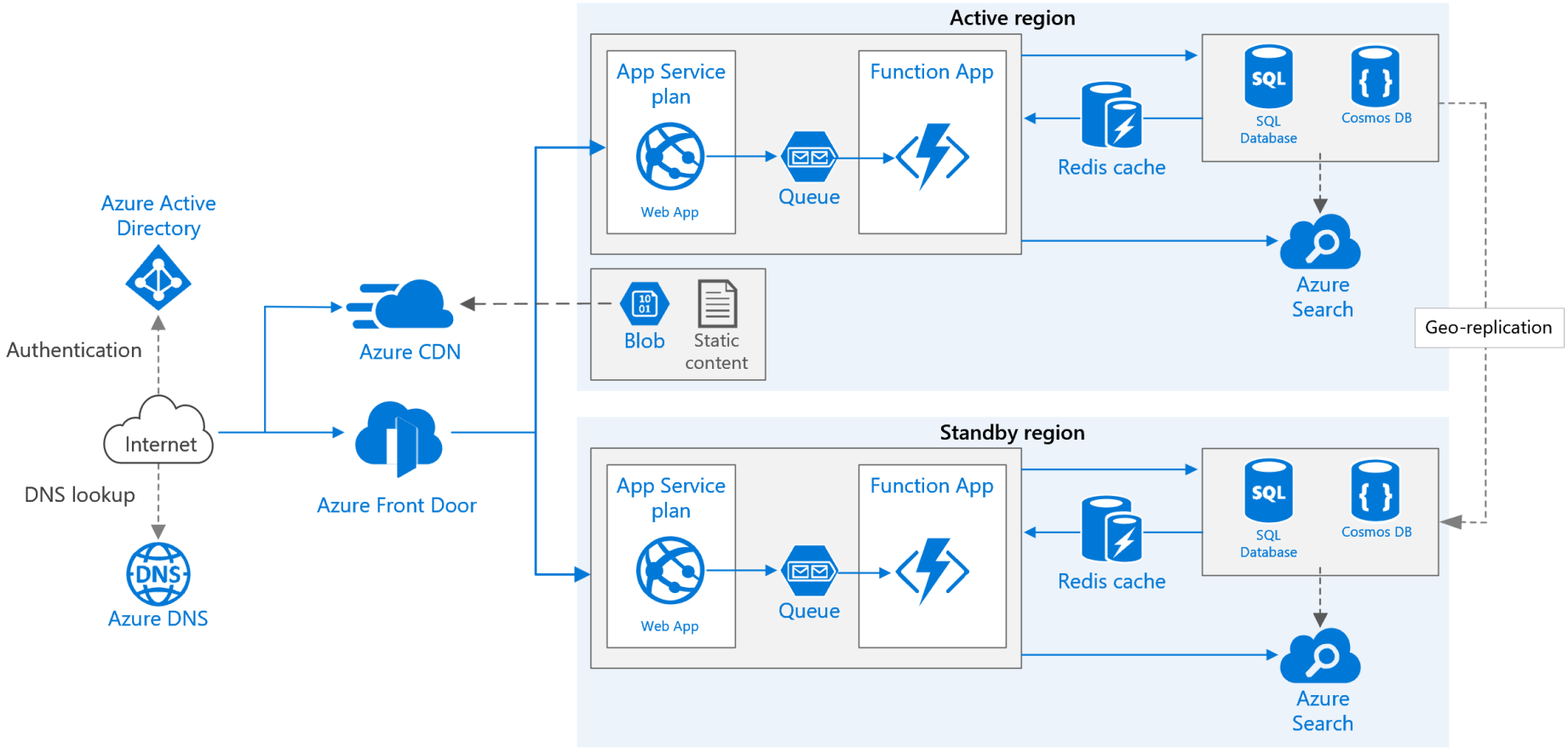
Poll 3 (49): You are developing an application that interacts with an Azure Cosmos DB container using the .NET SDK. Which method should you use to insert or update an item in the container?

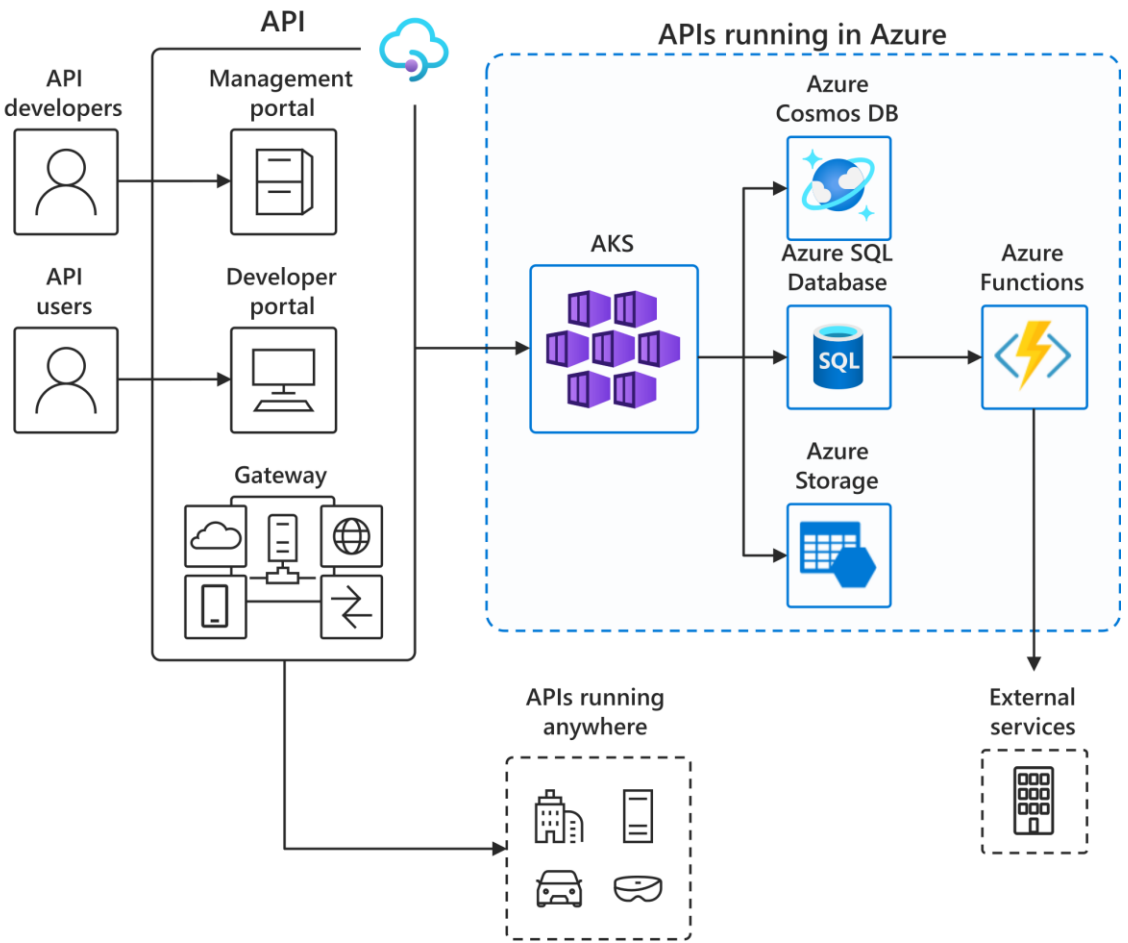
- ReplaceItemAsync
- UpsertItemAsync
- CreateItemAsync
- PatchItemAsync


Event-Computing and Notifications
Retail, Gaming, Content management
Azure Functions
Azure Notification Hubs
Azure App Service
Trigger call to an API when a document is inserted or modified
Stream Processing
IoT processing, Data Science & analytics
Azure Stream Analytics
Azure HDInsight
Apache Spark
Apache Storm
Real-time (stream) processing of data
Data movement
Enterprise data management
Azure Storage Blob
Azure Storage Table
Azure Data Lake
Azure Cosmos DB
Zero-downtime migrations
Sources
Azure Cosmos DB
Change Feed

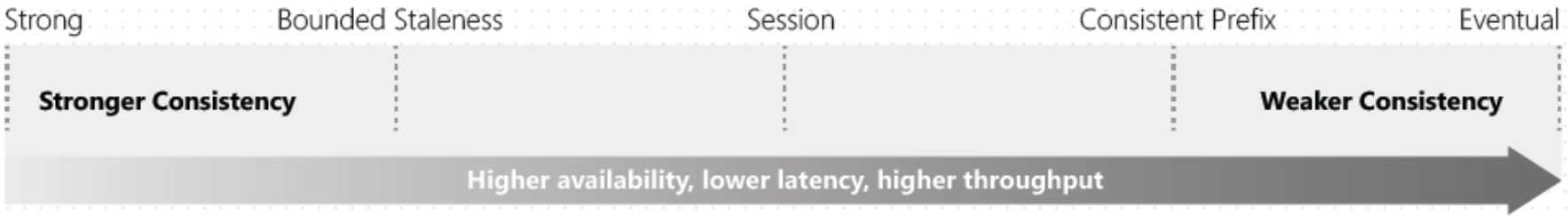

Physical Partition
Leader
Follower
Follower
Forwarder
Containers
partition key = "city"
Logical Partitions
"city" : "London"
"city" : "NYC"
"city" : "Paris"
"city" : "Rome"
Partition Set
Region 1
Physical Partitions
Region 2
Local distribution - Redundancy within regions
Region n
Global distribution - Redundancy across regions


Mobile
Browser
Device
Internet
Traffic Manager
West US
Application Gateway
Web Tier
Load Balancer
Middle Tier
Azure Cosmos DB
North Europe
Application Gateway
Web Tier
Load Balancer
Middle Tier
Azure Cosmos DB
Southeast Asia
Application Gateway
Web Tier
Load Balancer
Middle Tier
Azure Cosmos DB


Active region
App Service plan
Web App
Function App
Queue
Redis cache
SQL
SQL Database
Cosmos DB
Azure Search
Blob
Static content
Azure Active Directory
Authentication
Azure CDN
Internet
DNS lookup
Azure Front Door
DNS
Azure DNS
Geo-replication
Standby region
App Service plan
Web App
Function App
Queue
Redis cache
SQL
SQL Database
Cosmos DB
Azure Search


API
API developers
Management portal
API users
Developer portal
Gateway
APIs running in Azure
Azure Cosmos DB
AKS
Azure SQL Database
Azure Functions
Azure Storage
SQL
APIs running anywhere
External services

Consistency Levels in Azure Cosmos DB



CERTIFICATION

Microsoft Certified: Azure Cosmos DB Developer Specialty

Write efficient queries, create indexing policies, manage, and provision resources in the SQL API and SDK with Microsoft Azure Cosmos DB.

At a glance

Level
Intermediate

Product
Azure

Develop solutions that use Azure Blob Storage

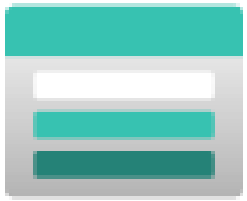
- Set and retrieve properties and metadata [see 1]
- Perform operations on data by using the appropriate SDK [see 1 2]
- Implement storage policies, and data lifecycle management [see 1 2 3 4]

Poll 4 (59): You are developing an application that interacts with an Azure Cosmos DB container using the .NET SDK. Which method should you use to insert or update an item in the container?

- Azure Policy
- Lifecycle Management
- Soft Delete
- Immutable Storage

Azure Storage Account

Contains all Azure Storage data objects, including blobs, file shares, queues, and tables.



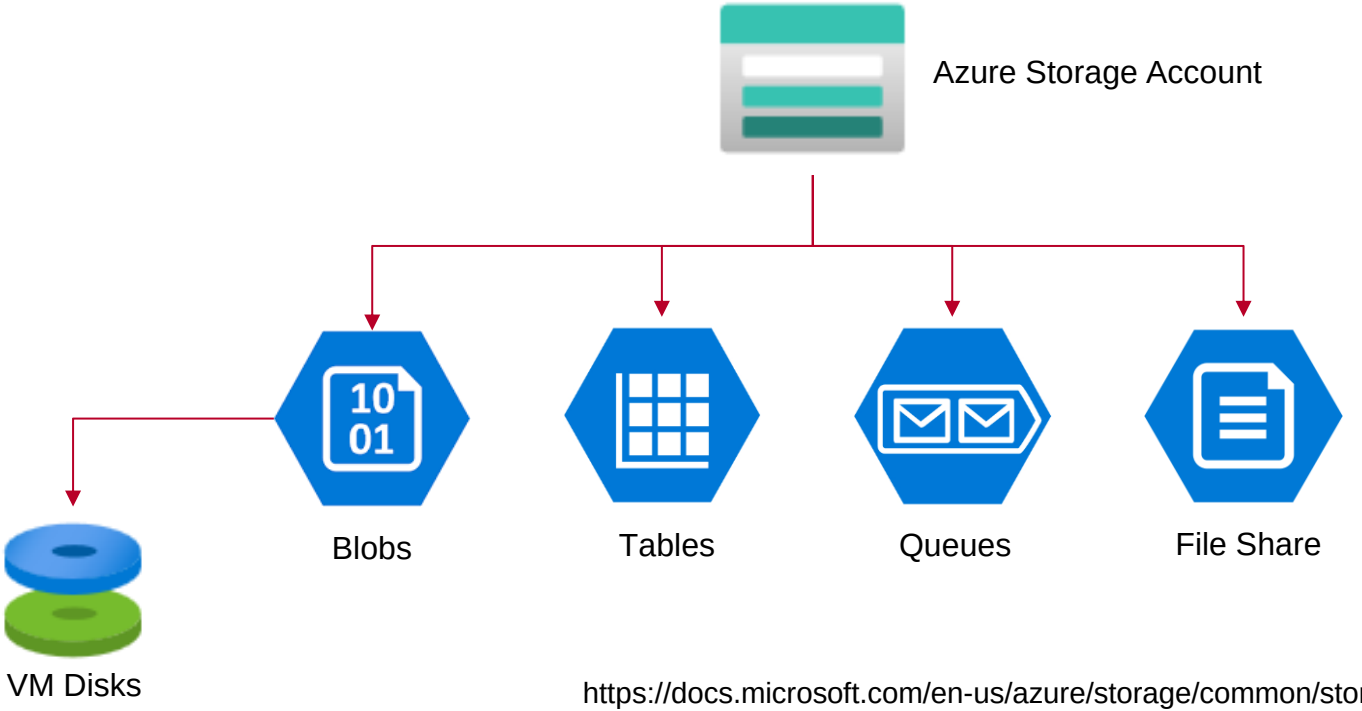
https://docs.microsoft.com/en-us/azure/storage/common/storage-account-overview

Azure Storage Account

- Accessible from around the globe over HTTP(S)
- Store blobs, tables, queues, and file shares
- Access via public and private endpoints
- Financially-backed SLA
- Security-in-depth (firewall, in transit, at rest)

https://docs.microsoft.com/en-us/azure/storage/common/storage-account-overview

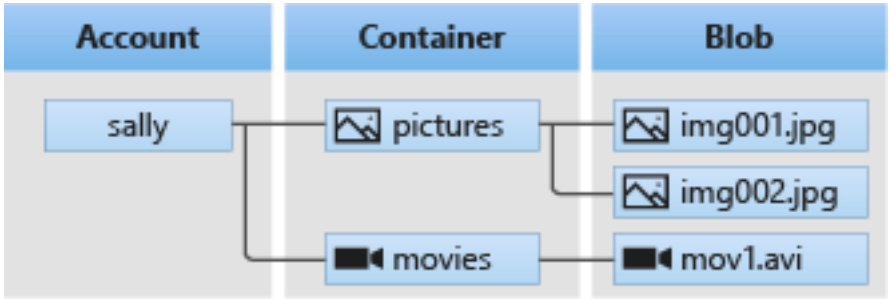
Azure Storage Services



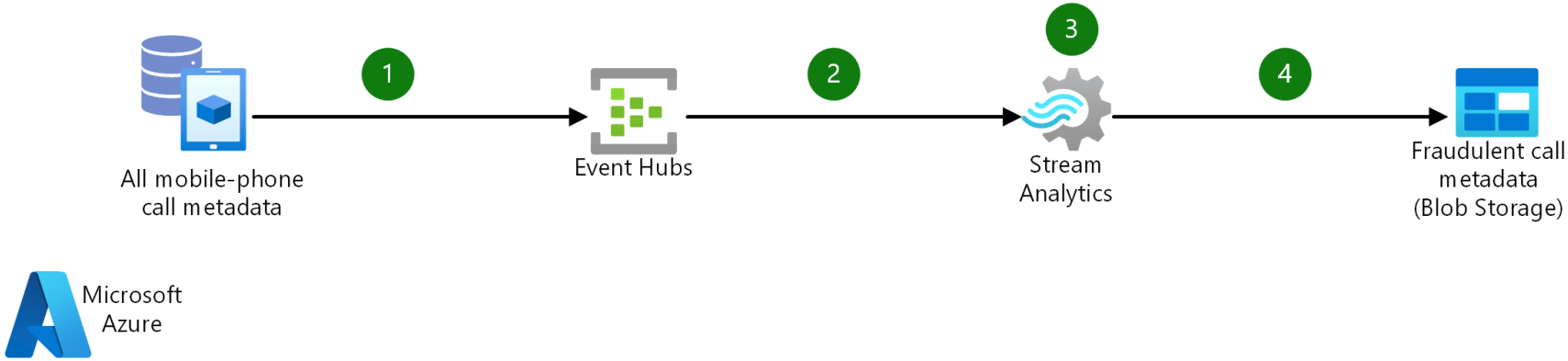
https://docs.microsoft.com/en-us/azure/storage/common/storage-introduction

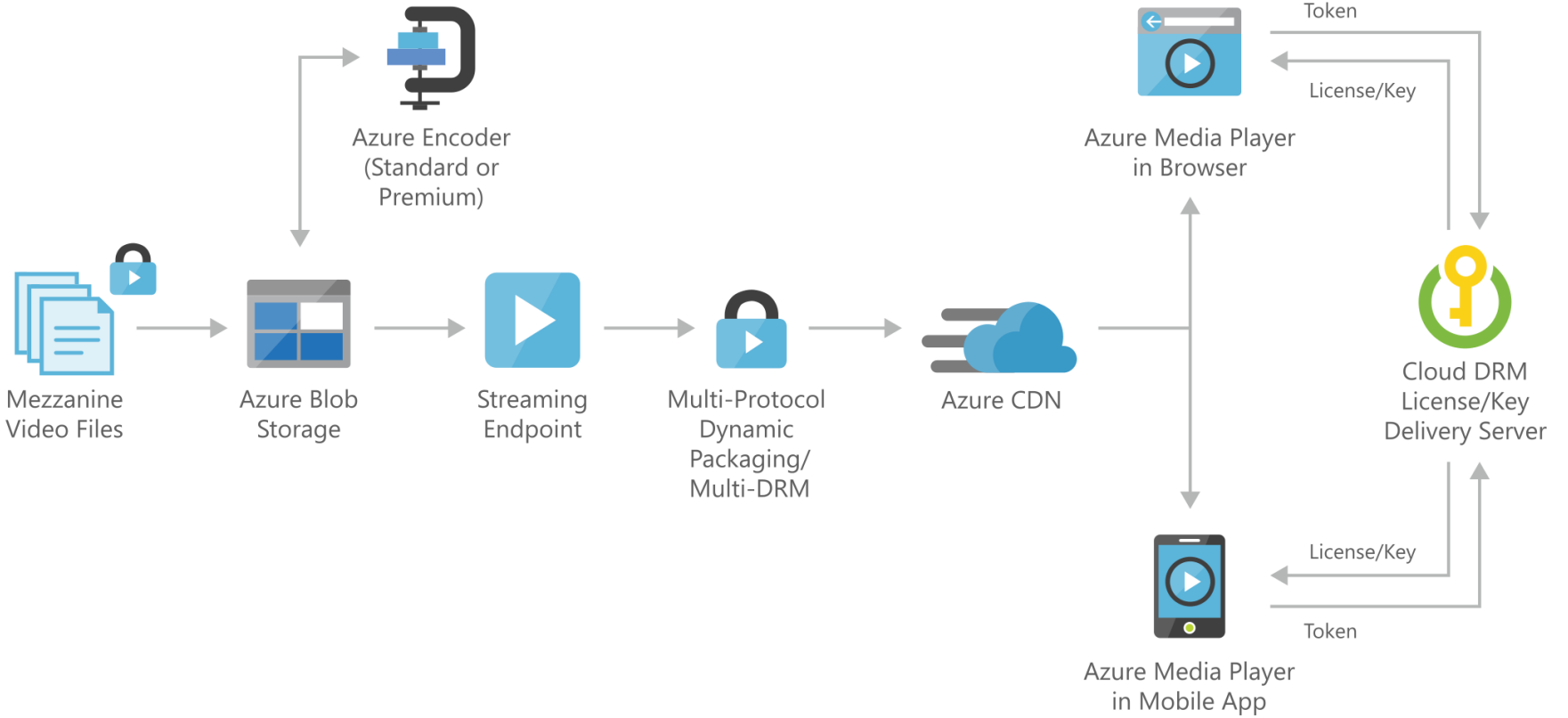
Azure Storage Account: Blobs

A scalable object store for text/binary files (unstructured data). Also includes support for big data analytics through Data Lake Storage Gen2



https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blobs-introduction


1
2
3
4
All mobile-phone call metadata
Event Hubs
Stream Analytics
Fraudulent call metadata (Blob Storage)
Microsoft Azure


Azure Encoder
(Standard or
Premium)
Mezzanine
Video Files
Azure Blob
Storage
Streaming
Endpoint
Multi-Protocol
Dynamic
Packaging/
Multi-DRM
Azure CDN
Azure Media Player
in Browser
Token
License/Key
Cloud DRM
License/Key
Delivery Server
License/Key
Token
Azure Media Player
in Mobile App

Implement Azure Security

Implement Azure Security

- Implement user authentication and authorization
- Implement secure cloud solutions

Implement user authentication and authorization

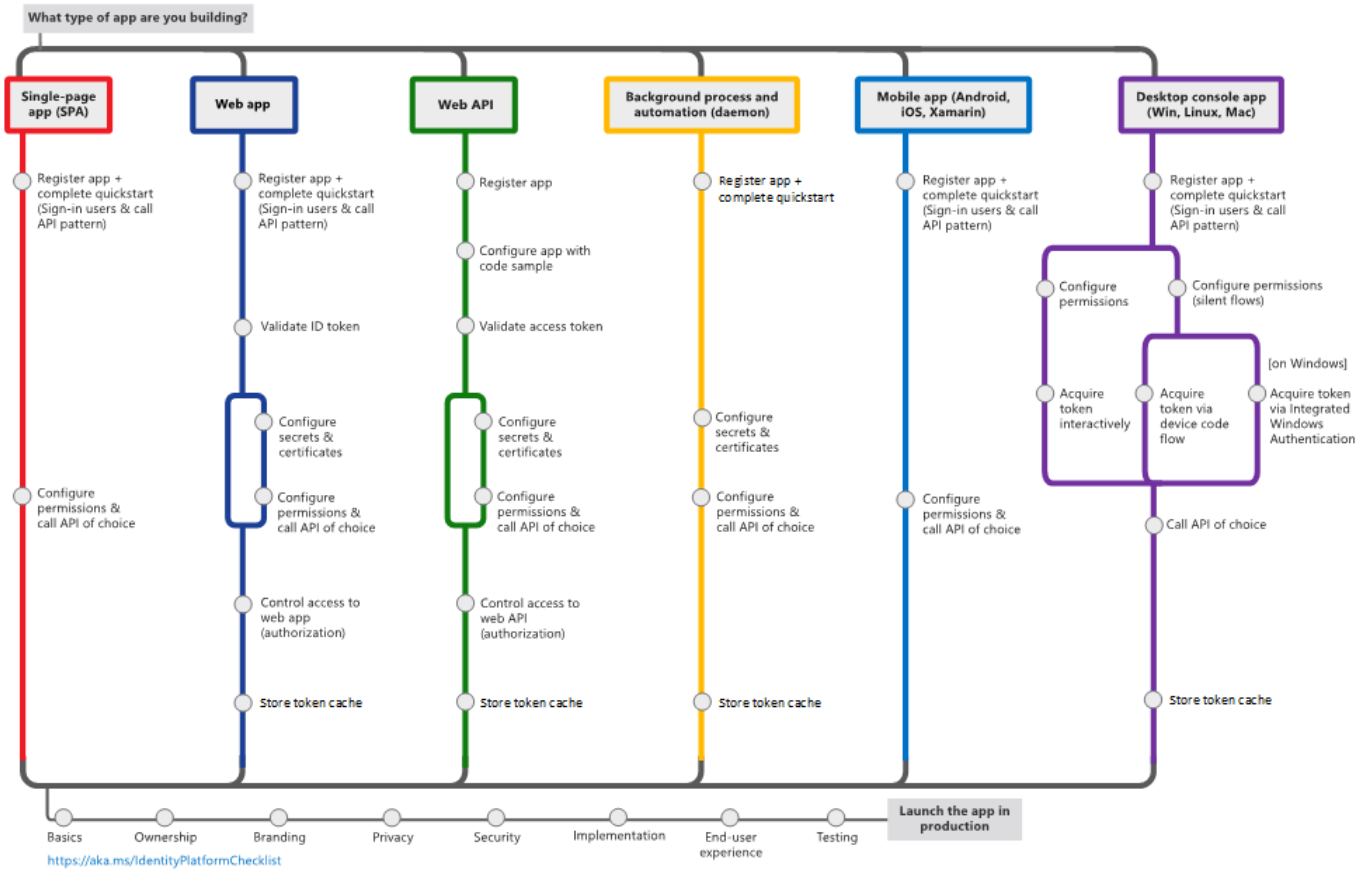
- Authenticate and authorize users by using the Microsoft Identity Platform [see 1 2 3 4 5 6]
- Authenticate and authorize users and apps by using Microsoft Entra ID [see 1 2]
- Create and implement shared access signatures [see 1 2]
- Implement solutions that interact with Microsoft Graph [see 1 2 3 4 5]

Poll 5 (70): You need to retrieve a list of users from Microsoft Entra ID using Microsoft Graph API in a .NET application. Which HTTP method and endpoint should you use?

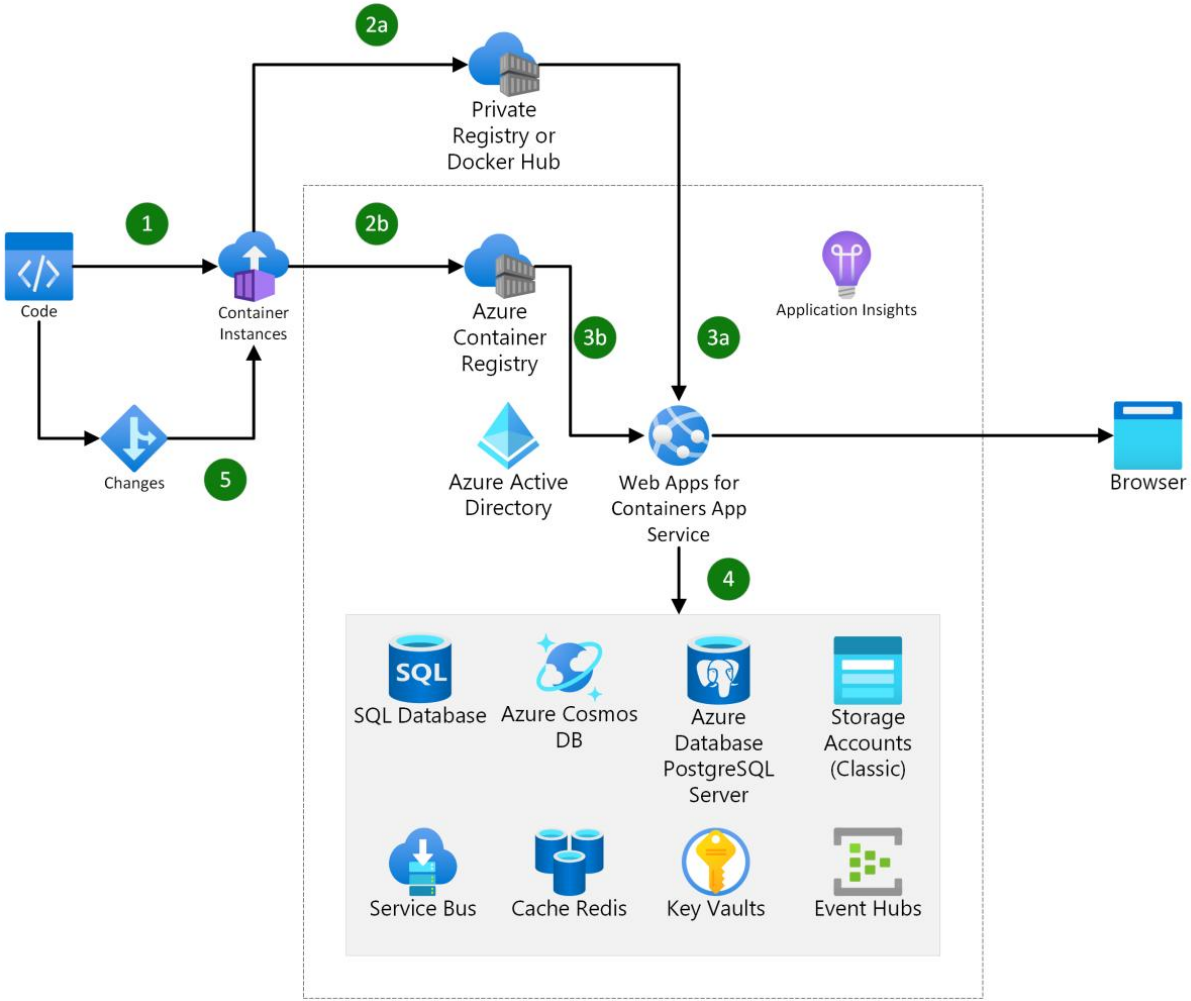
- POST /users
- GET /users
- PUT /users
- DELETE /users

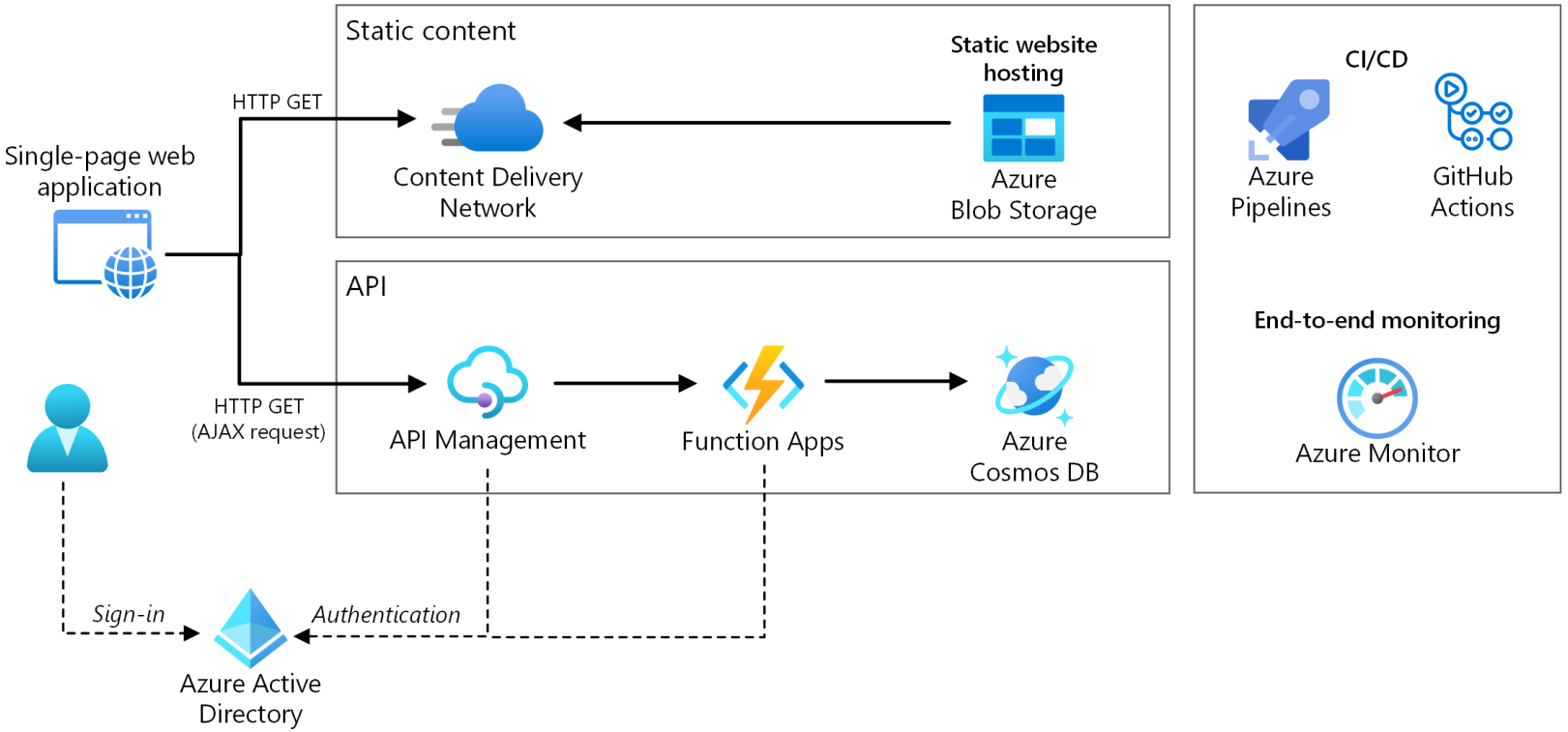
Microsoft identity platform

http://aka.ms/IdentityPlatform



Microsoft


2a
Private Registry or Docker Hub
1
2b
Code
Container Instances
Azure Container Registry
3b
3a
Application Insights
Changes
5
Azure Active Directory
Web Apps for Containers App Service
Browser
4
SQL Database
Azure Cosmos DB
Azure Database PostgreSQL Server
Storage Accounts (Classic)
Service Bus
Cache Redis
Key Vaults
Event Hubs



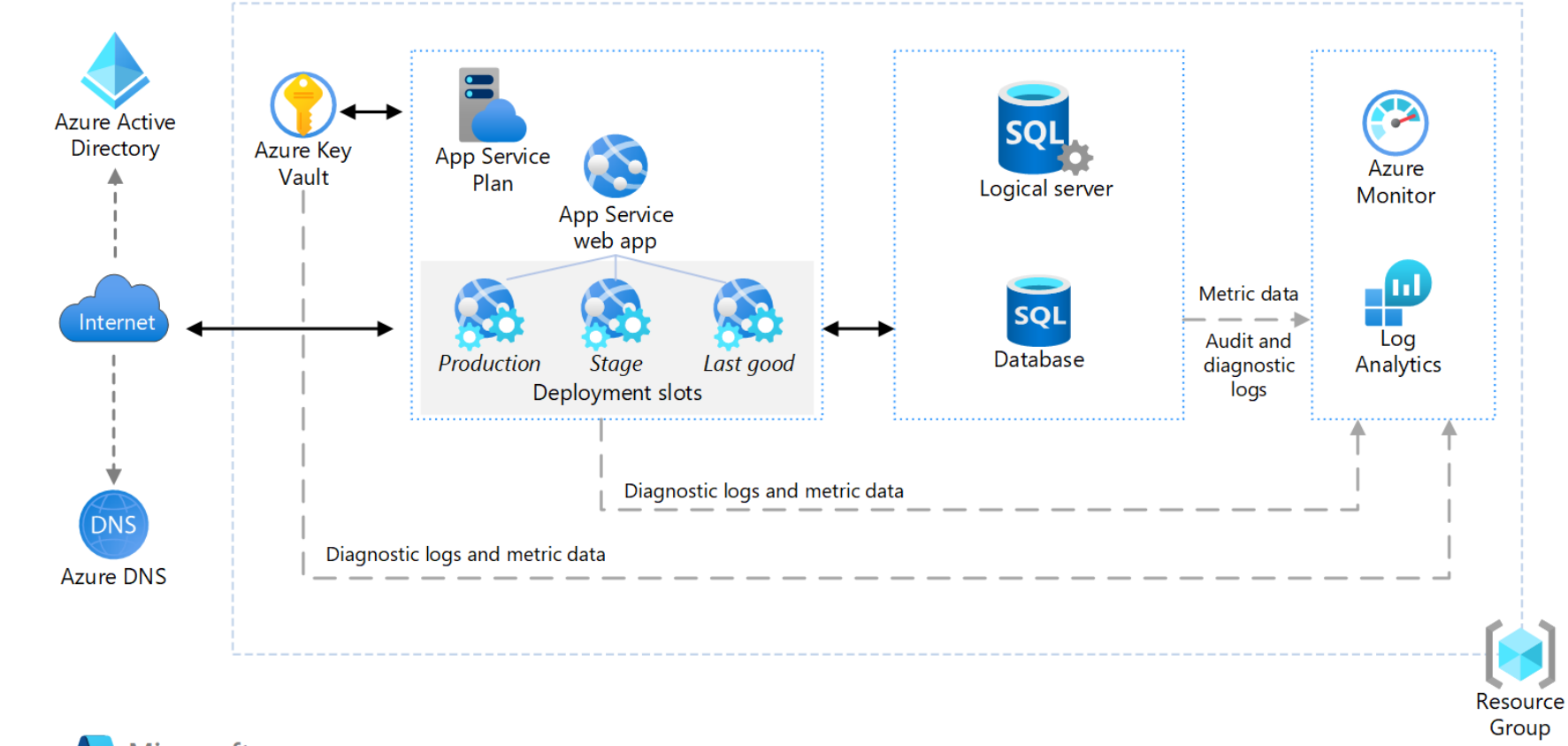
Microsoft Azure

Implement secure cloud solutions

- Secure app configuration data by using App Configuration or Azure Key Vault [see 1 2 3]
- Develop code that uses keys, secrets, and certificates stored in Azure Key Vault [see 1 2 3]
- Implement Managed Identities for Azure resources [see 1 2]

Poll 6 (76): You are developing an application that retrieves a secret from Azure Key Vault using the Azure SDK for .NET. Which method should you use?

- GetSecretAsync()
- RetrieveSecretAsync()
- FetchSecretAsync()
- ReadSecretAsync()


Azure Active Directory
Azure Key Vault
App Service Plan
App Service web app
Logical server
Azure Monitor
Internet
Production
Stage
Last good
Deployment slots
Database
Metric data
Audit and diagnostic logs
Log Analytics
DNS
Azure DNS
Diagnostic logs and metric data
Diagnostic logs and metric data
Resource Group
Microsoft Azure

Monitor, Troubleshoot, and Optimize Azure Solutions

Monitor and troubleshoot Azure solutions

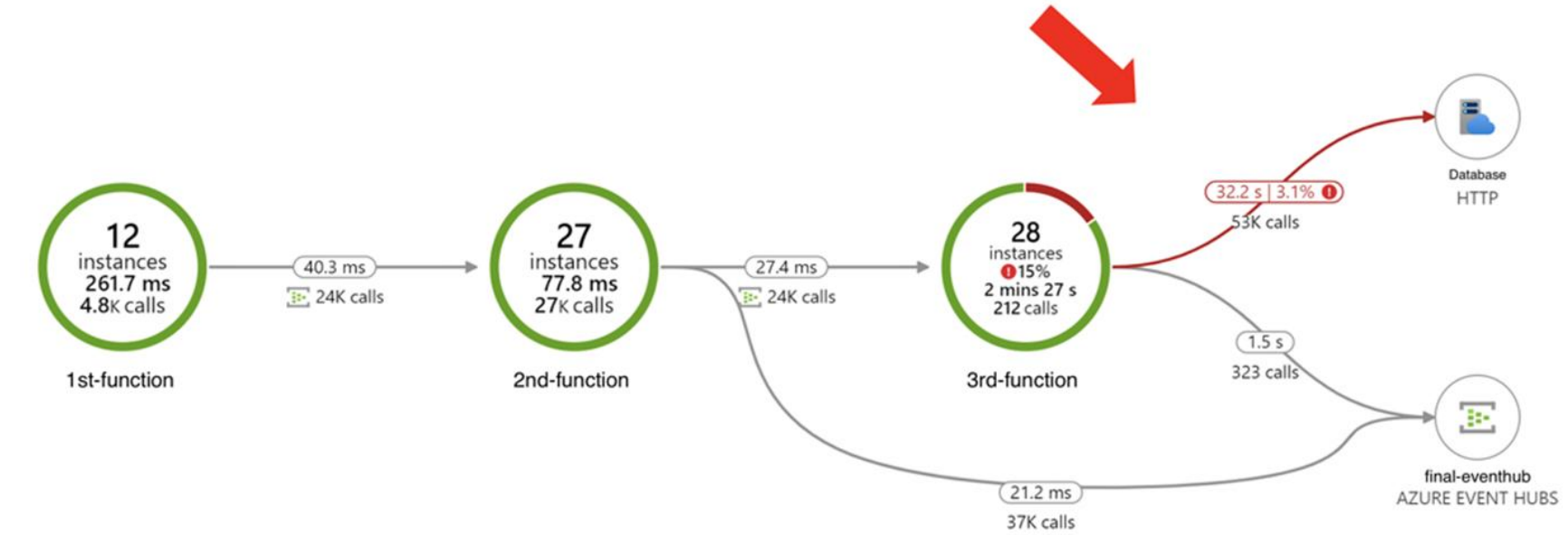
- Monitor and troubleshoot solutions by using Application Insights

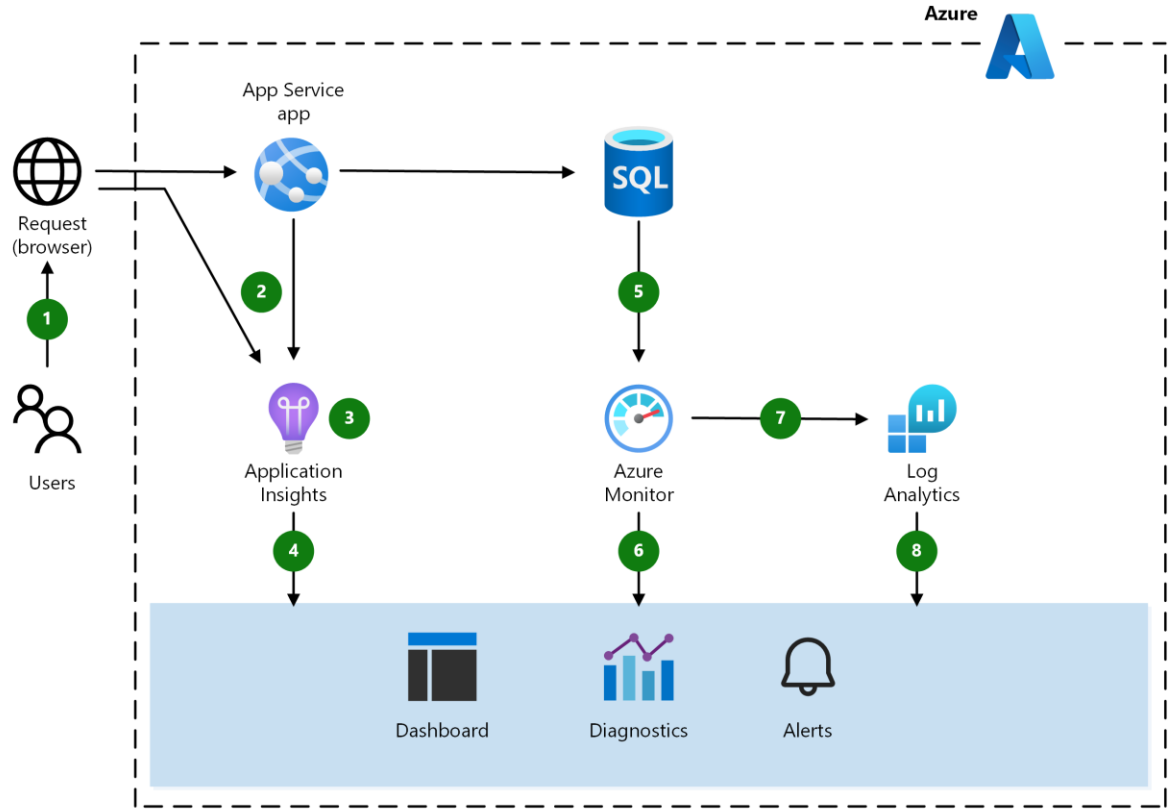
Monitor and troubleshoot solutions by using Application Insights

- Monitor and analyze metrics, logs, and traces [see 1 2 3 4]
- Implement Application Insights web tests and alerts [see 1 2 3]
- Instrument an app or service to use Application Insights [see 1 2]

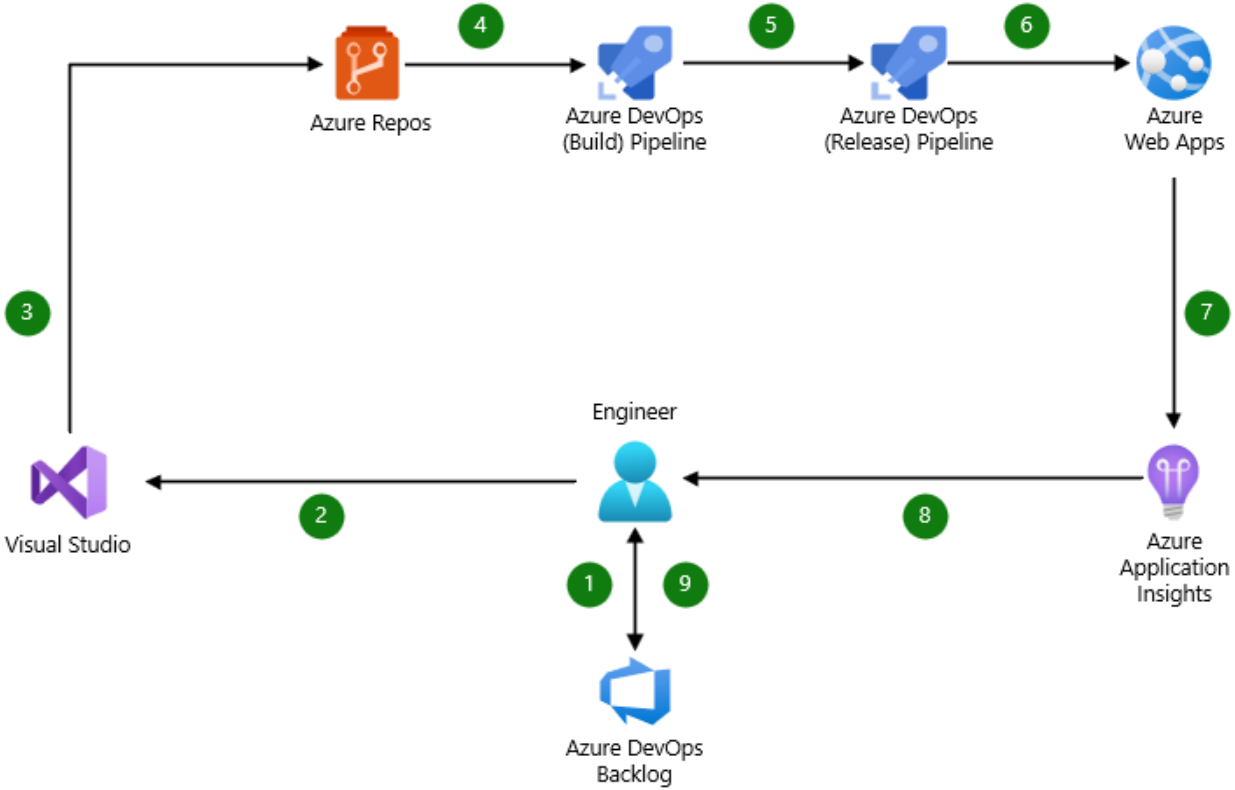
Poll 7 (82): You need to configure availability tests in Azure Application Insights to monitor the uptime of your web application and receive alerts if it becomes unreachable. Which type of test should you use?

- Log-based alerts
- Performance counters
- URL ping test
- Custom events


12
instances
261.7 ms
4.8K calls
1st-function
40.3 ms
24K calls
27
instances
77.8 ms
27K calls
2nd-function
27.4 ms
24K calls
28
instances
15%
2 mins 27 s
212 calls
3rd-function
32.2 s | 3.1%
53K calls
Database
HTTP
1.5 s
323 calls
21.2 ms
37K calls
final-eventhub
AZURE EVENT HUBS



Microsoft Azure



Microsoft Azure

Connect to and Consume Azure Services and Third-party Services

Connect to and consume Azure services and third-party services

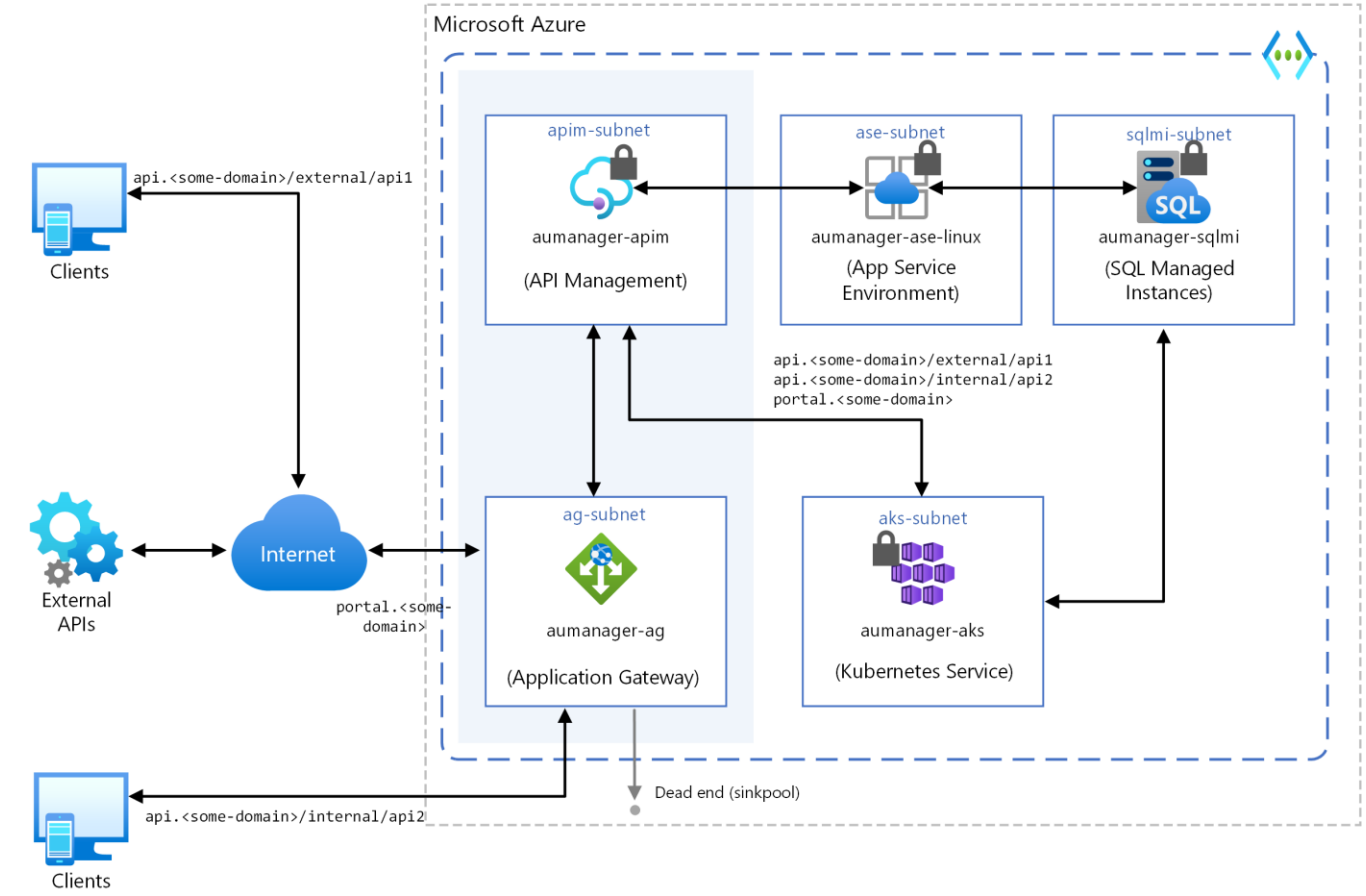
- Implement API Management
- Develop event-based solutions
- Develop message-based solutions

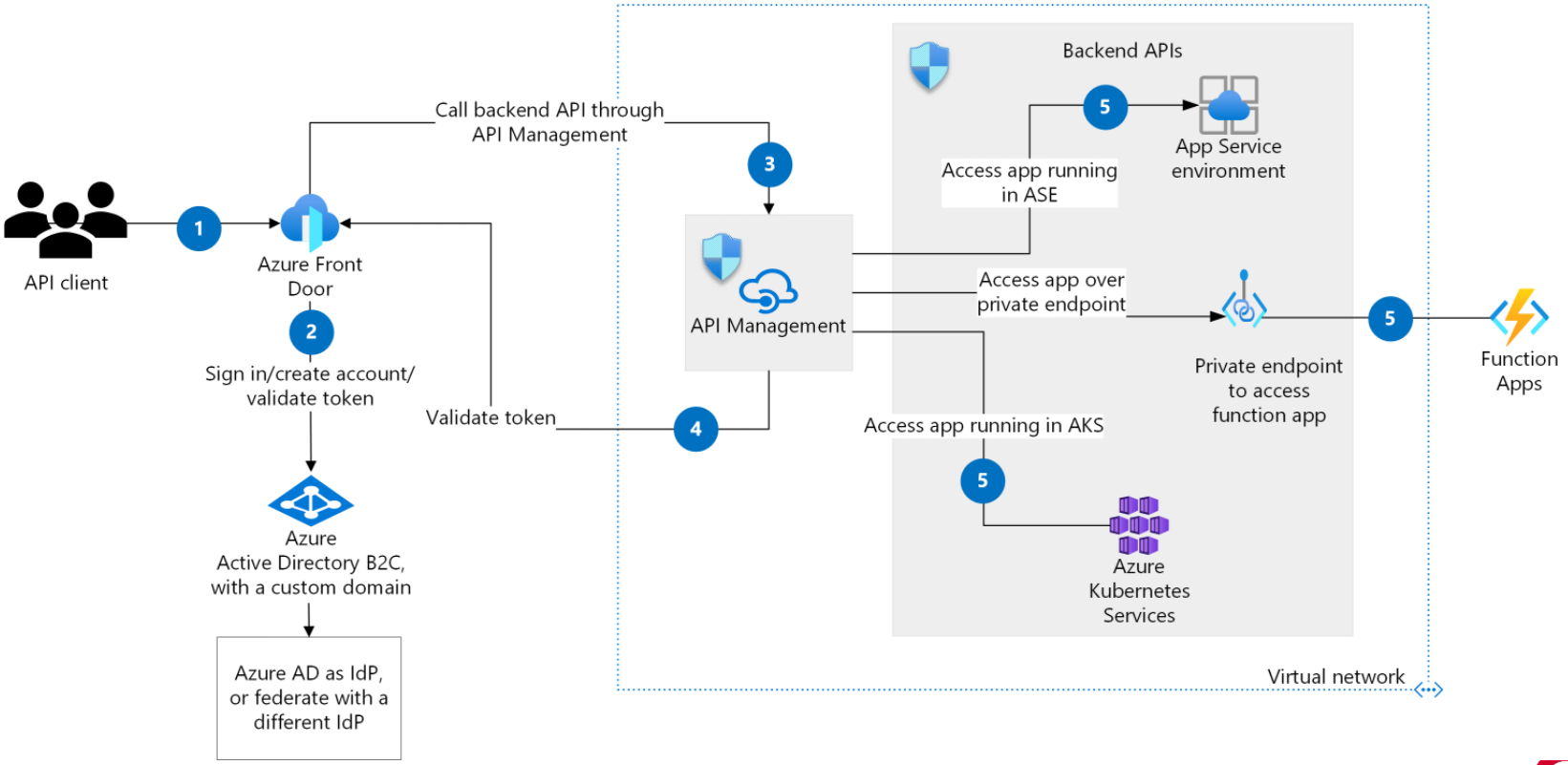
Implement API Management

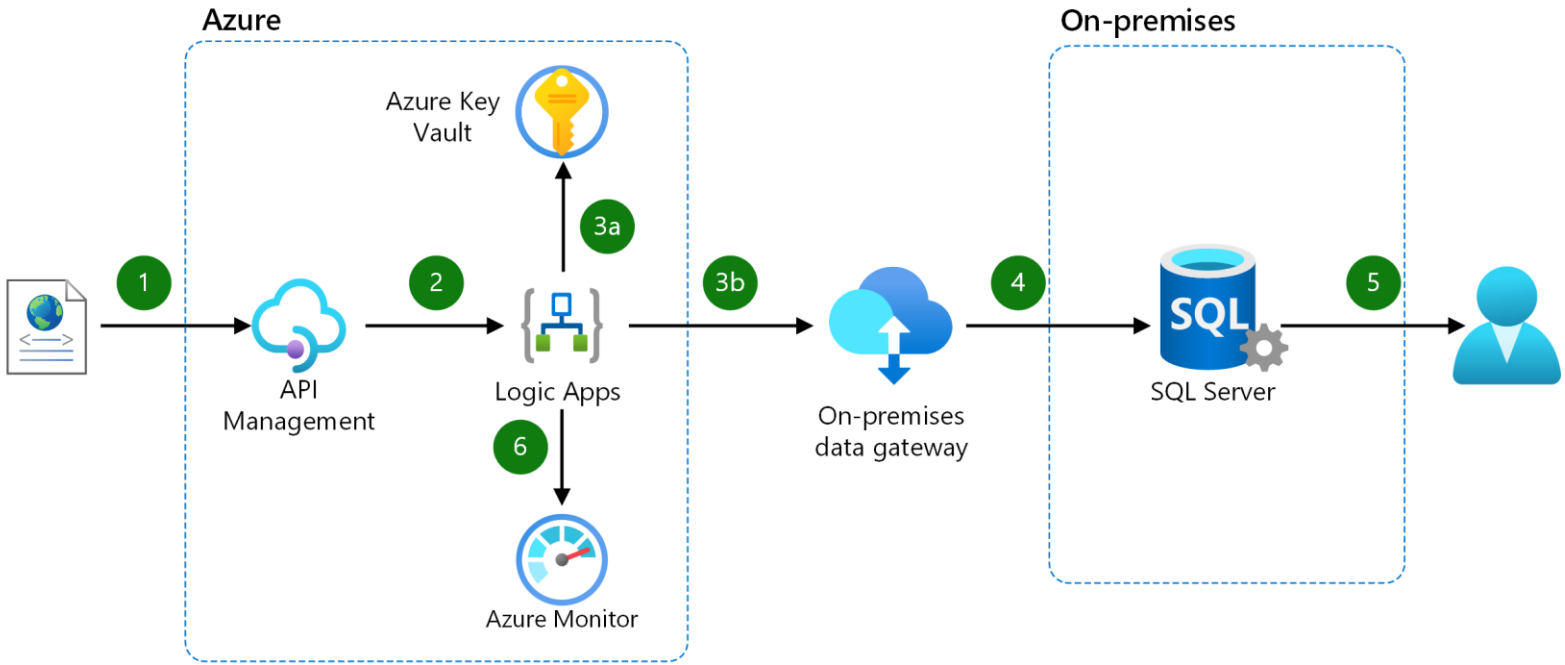
- Create an Azure API Management instance [see 1]
- Create and document APIs [see 1]
- Configure access to APIs [see 1]
- Implement policies for APIs [see 1]

Poll 8 (90): You need to restrict access to an Azure API Management (APIM) API so that only authenticated clients with a valid OAuth 2.0 token can call it. What should you configure?

- Subscription Keys
- IP Restrictions
- OAuth 2.0 Authorization with an Identity Provider
- CORS Policy


Microsoft Azure
apim-subnet
aumanager-apim
(API Management)
ase-subnet
aumanager-ase-linux
(App Service Environment)
sqlmi-subnet
SQL
aumanager-sqlmi
(SQL Managed Instances)
api.<some-domain>/external/api1
Clients
api.<some-domain>/external/api1
api.<some-domain>/internal/api2
portal.<some-domain>
External APIs
Internet
portal.<some-domain>
ag-subnet
aumanager-ag
(Application Gateway)
aks-subnet
aumanager-aks
(Kubernetes Service)
Dead end (sinkpool)
api.<some-domain>/internal/api2
Clients
Microsoft Azure


API client
1
Azure Front Door
2
Sign in/create account/ validate token
Azure Active Directory B2C, with a custom domain
Azure AD as IdP, or federate with a different IdP
Validate token
Call backend API through API Management
3
API Management
4
Backend APIs
5
App Service environment
Access app running in ASE
Access app over private endpoint
Private endpoint to access function app
5
Function Apps
Access app running in AKS
5
Azure Kubernetes Services
Virtual network



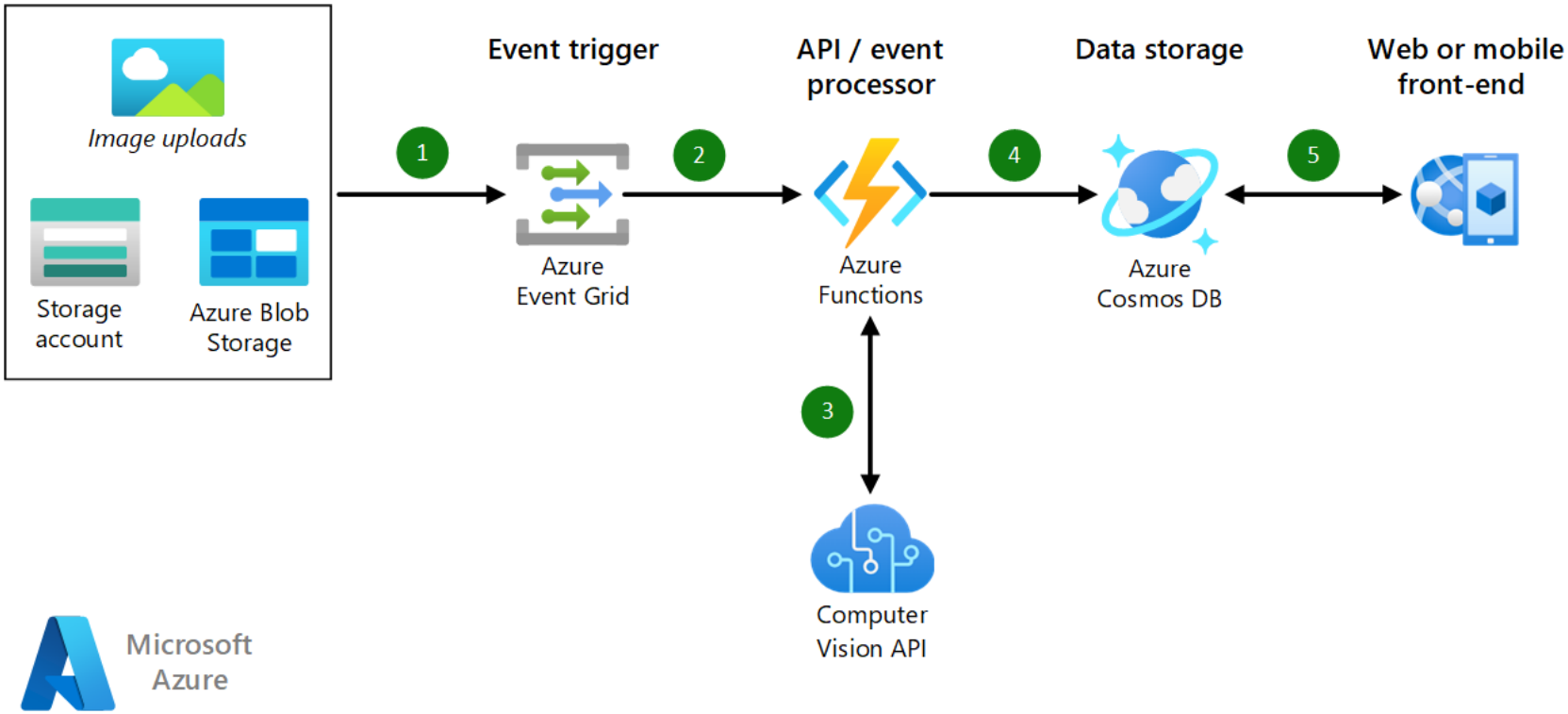
Microsoft Azure

Develop event-based solutions

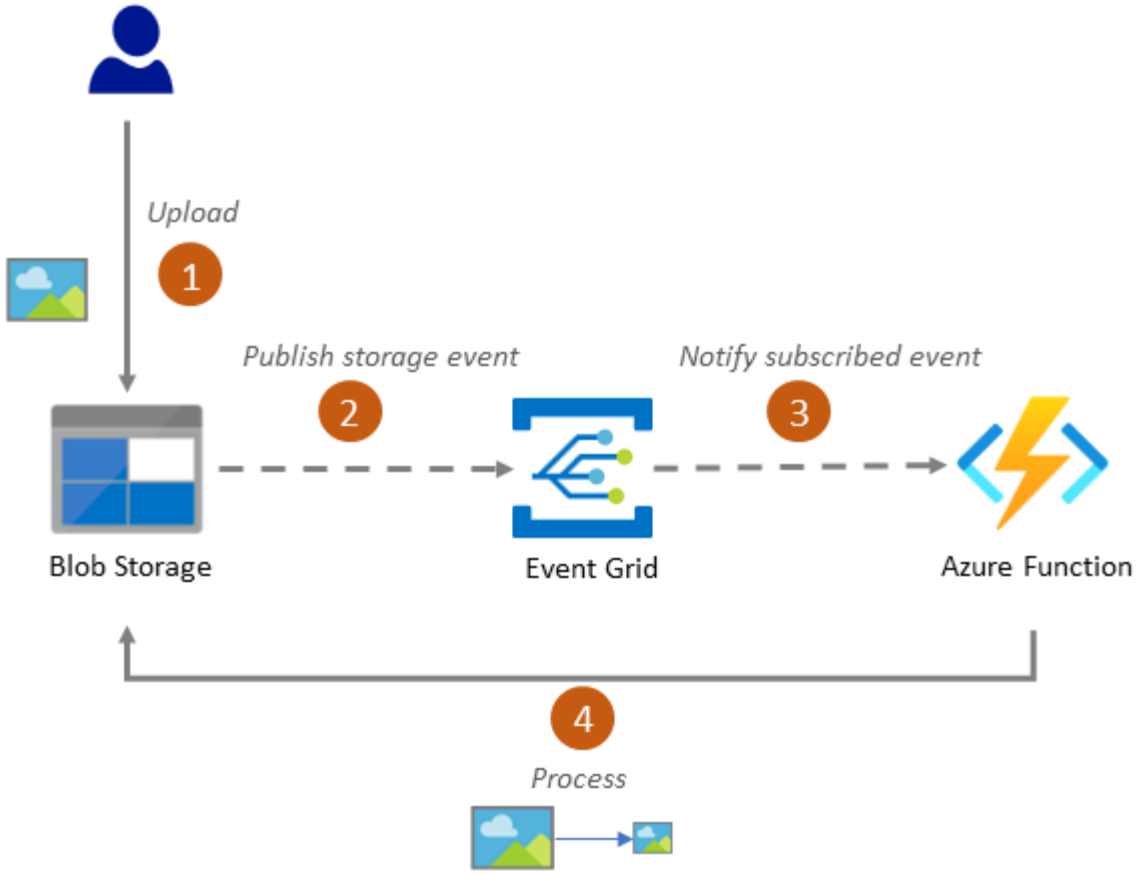
- Implement solutions that use Azure Event Grid [see 1 2]
- Implement solutions that use Azure Event Hubs [see 1 2 3 4]

Poll 9 (96): You are designing an app where multiple services must react to new blob uploads in a Storage Account. Reliable event delivery with minimal management overhead is required. Which service should you use?

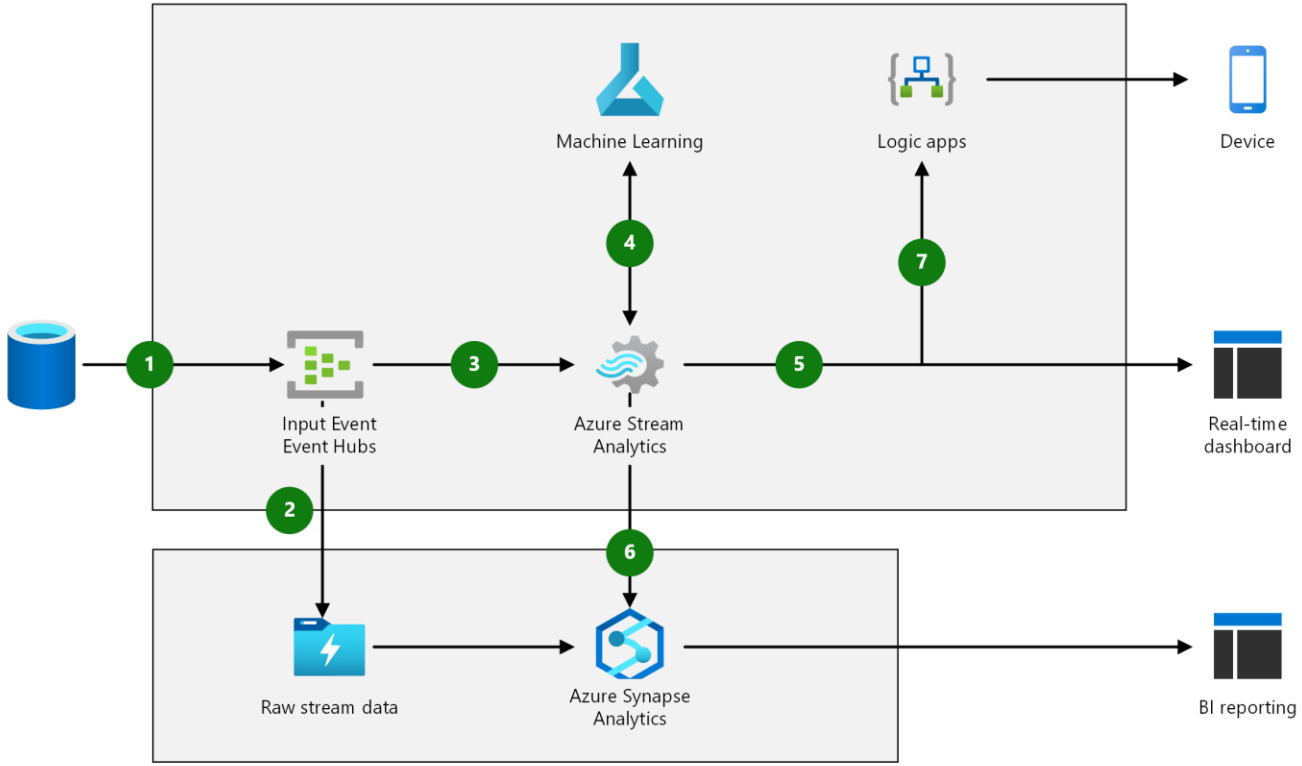
- Azure Service Bus
- Azure Event Grid
- Azure Event Hubs
- Azure Notification Hubs



Microsoft Azure


Upload
1
Publish storage event
2
Notify subscribed event
3
Blob Storage
Event Grid
Azure Function
4
Process

Microsoft Azure



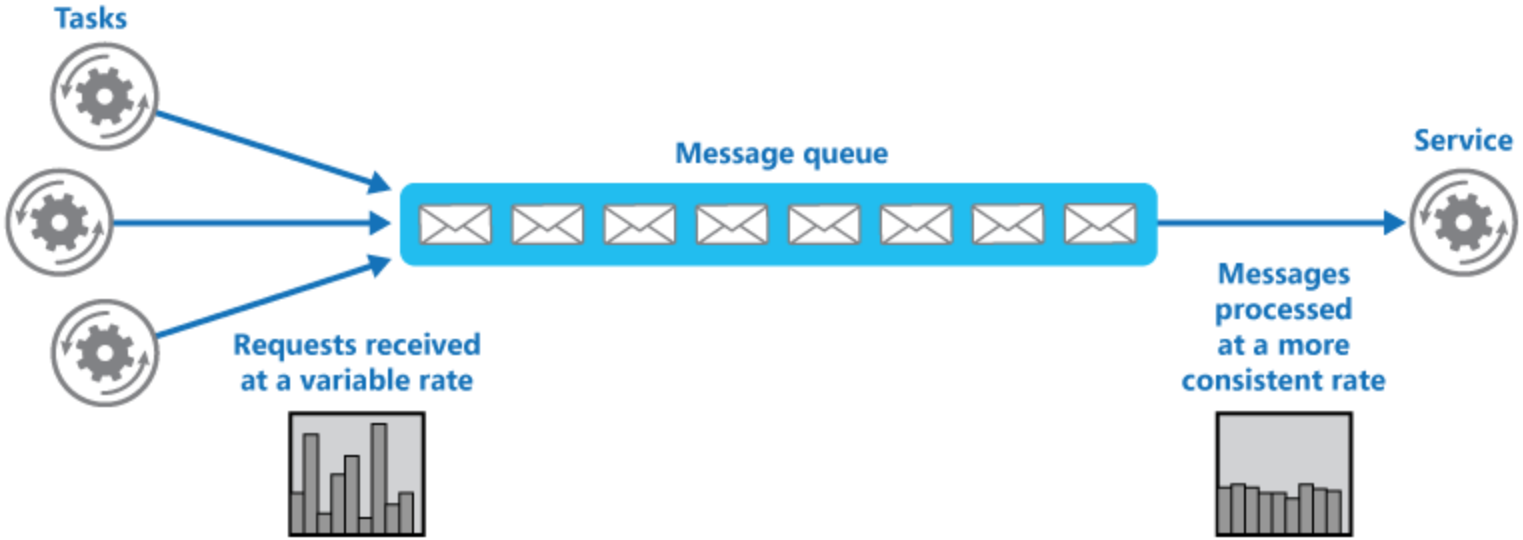
Microsoft Azure

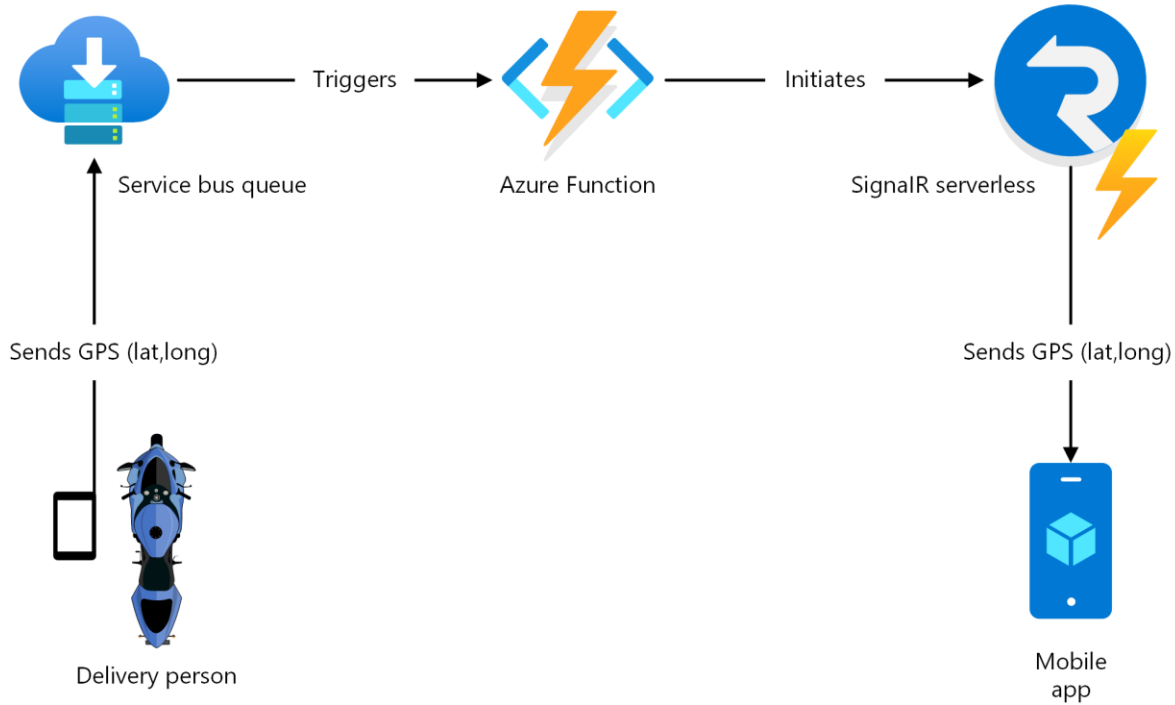
Develop message-based solutions

- Implement solutions that use Azure Service Bus [see 1 2 3 4 5]
- Implement solutions that use Azure Queue Storage queues [see 1 2]

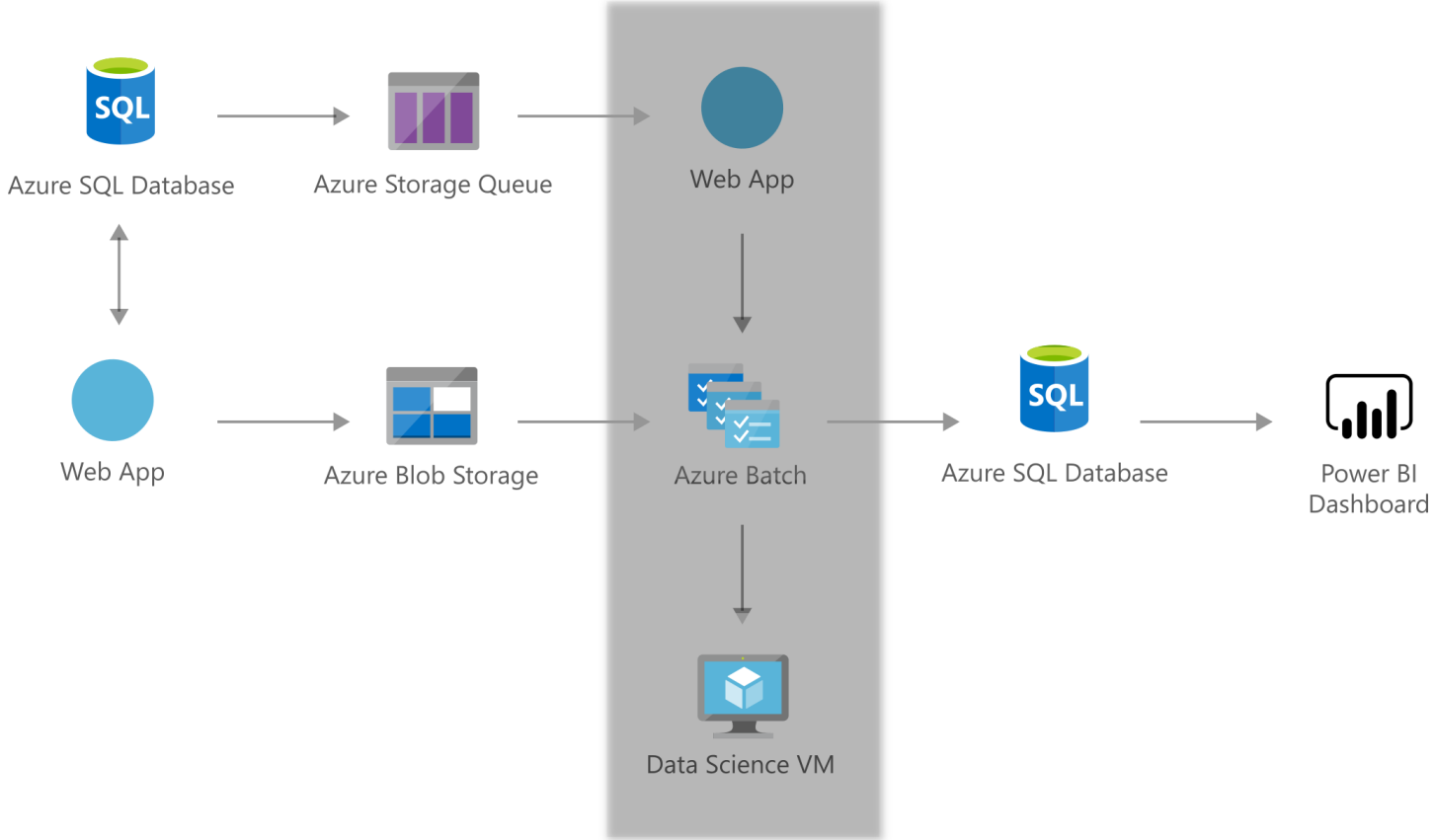
Poll 10 (103): You are developing a .NET application to work with Azure Service Bus Queue. Which method sends a message using the Azure.Messaging.ServiceBus SDK?

- SendAsync()
- PublishAsync()
- SendMessageAsync()
- QueueMessageAsync()


Tasks
Message queue
Service
Requests received
at a variable rate
Messages
processed
at a more
consistent rate



Microsoft Azure


SQL
Azure SQL Database
Azure Storage Queue
Web App
Web App
Azure Blob Storage
Azure Batch
SQL
Azure SQL Database
Power BI
Dashboard
Data Science VM

The Exam

Questions in AZ-204

- 45-55 questions
- Formats (multiple choice, drag and drop, scenario based, and labs) – See the exam sandbox
- There will be hands-on labs

AZ-204

- Exam AZ-204:
  https://docs.microsoft.com/en-us/learn/certifications/exams/az-204
- Skills measured :
  https://query.prod.cms.rt.microsoft.com/cms/api/am/binary/RE4oZ7B

Prepare for the exam

COURSE

Developing Solutions for Microsoft Azure

Continue course >

Training in this course

AZ-204: Implement Azure App Service web apps

2 hr 3 min • Learning Path • 4 units

AZ-204: Implement Azure Functions

53 min • Learning Path • 2 units

AZ-204: Develop solutions that use Blob storage

1 hr 19 min • Learning Path • 3 units

AZ-204: Develop solutions that use Azure Cosmos DB

Take the exam

You will have **100 minutes** to complete this assessment.

Exam policy

This exam will be proctored, and is not open book. You may have interactive components to complete as part of this exam. To learn more about exam duration and experience, visit: Exam duration and exam experience.

If you fail a certification exam, don't worry. You can retake it 24 hours after the first attempt. For subsequent retakes, the amount of time varies. For full details, visit: Exam retake policy.

Need accommodations?

We offer a variety of accommodations to support you.

Learn More

This exam is offered in the following languages:

English, Japanese, Chinese (Simplified), Korean, French, German, Spanish, Portuguese (Brazil), Russian, Chinese (Traditional), Italian, Indonesian (Indonesia), Arabic (Saudi Arabia)

Schedule through Pearson Vue

United States

Where do you want to take your exam?

At a test center | OnVUE Online at my home or office | I have a Private Access Code

Prepare for your online exam at your home or office

Your computer

Use a personal computer that has a reliable webcam and internet connection.

Run system test.

Your testing space

The room should be a distraction-free, private place.

See acceptable spaces and view permitted comfort aid list.

Your photo ID

We'll verify your government-issued identification (ID) when you arrive for your exam.

Review admission & ID policies

What to expect

Check in for your OnVUE exam 30 minutes before your appointment time.

Watch our short video to get familiar with the process.

Questions?

Check out the OnVUE FAQs and minimum technical requirements.

It’s time to test your system

Order #: 0064-8802-7606

Your appointment is confirmed! An order confirmation containing important exam day information has been sent to: zaalion@gmail.com

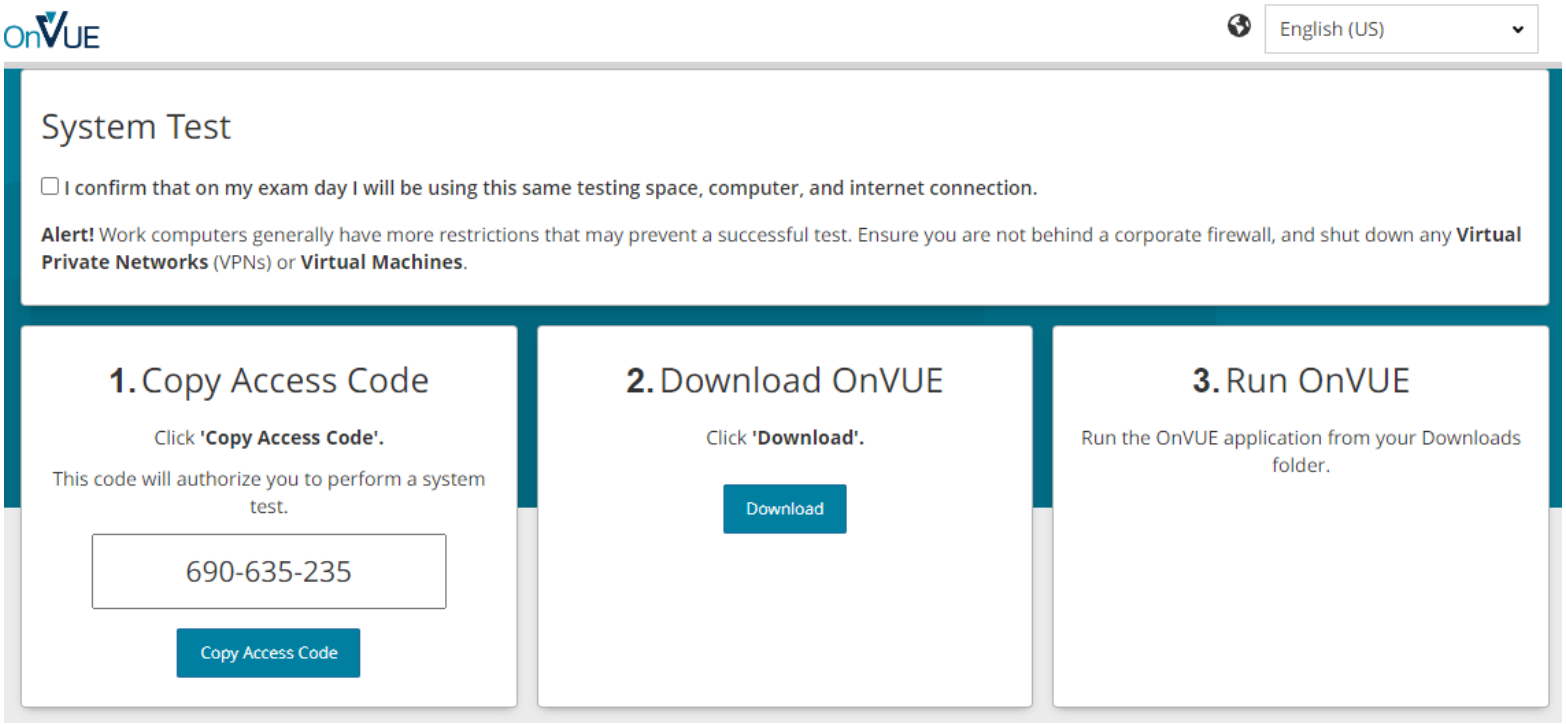
What's next?

Run a system test

We need to verify that the computer and internet connection you plan to use on exam day meet the minimum requirements for online testing. It’ll just take 5 minutes to run:

- Equipment and internet connection checks
- Exam simulation

Description	Details	Order Information	Price
			165.00


OnVUE
English (US)
System Test
I confirm that on my exam day I will be using this same testing space, computer, and internet connection.
Alert! Work computers generally have more restrictions that may prevent a successful test. Ensure you are not behind a corporate firewall, and shut down any Virtual Private Networks (VPNs) or Virtual Machines.
1. Copy Access Code
Click 'Copy Access Code'.
This code will authorize you to perform a system test.
690-635-235
Copy Access Code
2. Download OnVUE
Click 'Download'.
Download
3. Run OnVUE
Run the OnVUE application from your Downloads folder.

Course Repository

https://github.com/zaalion/oreilly-az-204

Microsoft Azure Fundamentals (AZ-900) Certification Course, 2nd Edition

Continue

4h 55m remaining

With your instructor

Reza Salehi

+ Add to playlist

Associated roles

Cloud native engineer | Cloud solutions architect | Cybersecurity engineer | Database administrator

+1 more

Skills covered

AZ-900: Microsoft Azure Fundamentals

AZ-303: Microsoft Azure Architect...

AZ-500: Microsoft Azure Security...

AI-900: Microsoft Azure AI Fundamentals

Includes quizzes

Test your knowledge during the course and with a final quiz.

October 2024

O'Reilly Media, Inc.

Learning Outcomes

- Gain knowledge of Azure cloud concepts and services
- Explore Azure services in greater depth
- Get ready for Exam AZ-900: Microsoft Azure Fundamentals
- Comfortably work with the Azure portal

The Microsoft Azure Fundamentals (AZ-900) exam is one of the most popular certifications for those who are just beginning to work with cloud-based solutions and services or who are new to Azure. The exam certifies knowledge of cloud concepts, Azure services, workloads, security and privacy, and pricing and support.

In this self-paced course, Reza Salehi will help you get familiar with Microsoft Azure's cloud services and begin your Azure certification journey. This course is aligned to the AZ-900 exam objective domains and has recently been updated to reflect the most current version of the exam (2024). It covers all the services and concepts in the Azure ecosystem you need to know in order to prepare for the test.

What you'll learn and how to apply it

By the end of this certification course, you will understand the following:

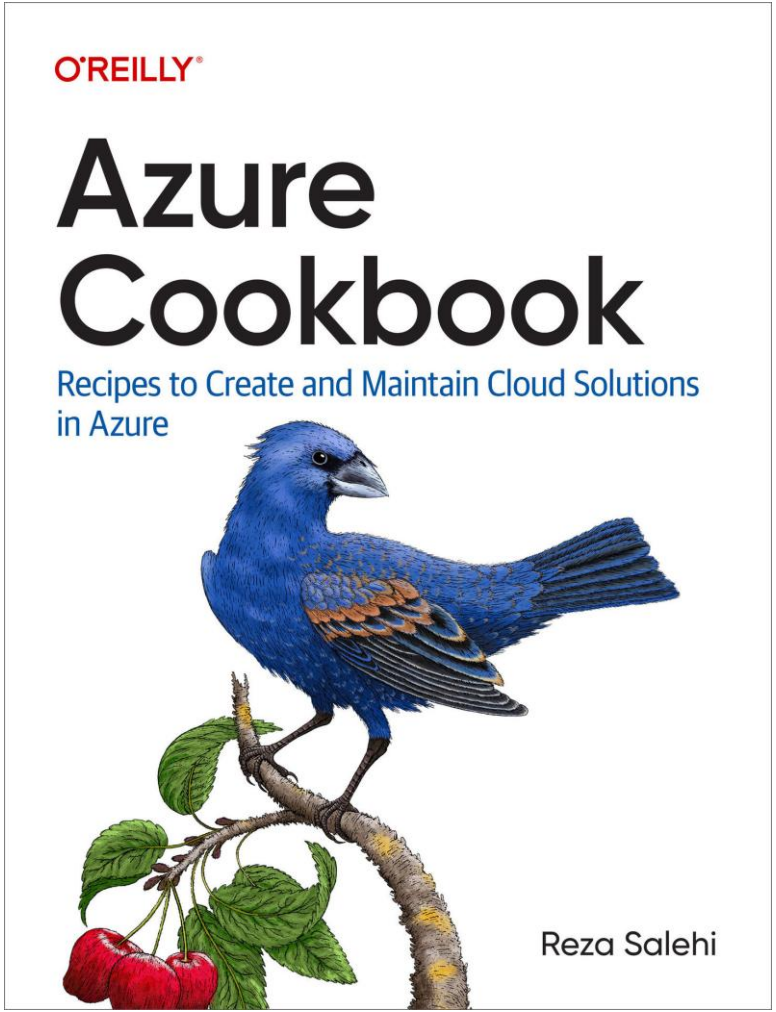
- General cloud concepts
- Core Azure services
- Core solutions and management tools on Azure
- General security and network security features
- Identity, governance, privacy, and compliance features
- Azure cost management and service-level agreements

Azure Cookbook

https://learning.oreilly.com/library/view/azure-cookbook/9781098135782/

https://www.amazon.ca/Azure-Cookbook-Recipes-Maintain-Solutions/dp/1098135792/

https://www.amazon.com/Azure-Cookbook-Recipes-Maintain-Solutions/dp/1098135792



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Thank you!

Reza Salehi

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