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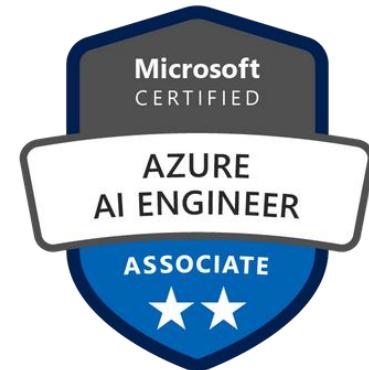
Microsoft Azure AI Fundamentals (AI-900) Crash Course





Reza Salehi

Cloud Consultant and Trainer





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

With your instructor

[Reza Salehi](#)

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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

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4h 55m remaining

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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Azure Cookbook

Recipes to Create and Maintain Cloud Solutions
in Azure



Reza Salehi

Course Overview





AI-900 Crash Course

- Describe Artificial Intelligence workloads and considerations (15-20%)
- Describe fundamental principles of machine learning on Azure (20-25%)
- Describe features of computer vision workloads on Azure (15-20%)
- Describe features of Natural Language Processing (NLP) workloads on Azure (15-20%)
- Describe features of generative AI workloads on Azure (15-20%)



Course Repository

<https://github.com/zaalion/oreilly-ai-900>



Congratulations, you passed!

You've renewed your Microsoft Certified: Azure Security Engineer Associate and have extended it by one year.



[See your results](#)



oreilly-ai-900

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 rezasalehinewsig	Q&A + white board	1160ea8 · 2 months ago	25 Commits
 Demo	Q&A + white board	2 months ago	
 Q&A	Q&A + white board	2 months ago	
 Whiteboard	Q&A + white board	2 months ago	
 .gitignore	Updated slide deck	2 years ago	
 OReilly-Branded-RezaSalehi-AI-900.pdf	Oct 2024	4 months ago	



CERTIFICATION

Microsoft Certified: Azure AI Fundamentals

Demonstrate fundamental AI concepts related to the development of software and services of Microsoft Azure to create AI solutions.

At a glance

Level

Beginner

Role

Product

Azure

Last Updated

Prepare for the exam



COURSE

Microsoft Azure AI Fundamentals

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Training in this course



Microsoft Azure AI Fundamentals: AI Overview

⌚ 3 hr 6 min • Learning Path • 3 units



Microsoft Azure AI Fundamentals: Computer Vision

⌚ 1 hr 40 min • Learning Path • 3 units



Microsoft Azure AI Fundamentals: Natural Language Processing

⌚ 2 hr 22 min • Learning Path • 4 units



Microsoft Azure AI Fundamentals: Document Intelligence and Knowledge Mining

⌚ 1 hr 31 min • Learning Path • 2 units



Azure solutions for integrating AI into applications



Azure Machine Learning



Azure AI services



Choose a service to train a machine learning model

[1]

Icon	Description
	Azure Machine Learning gives you many different options to train and manage your machine learning models. You can choose to work with the Studio for a UI-based experience, or manage your machine learning workloads with the Python SDK, or CLI for a code-first experience. Learn more about Azure Machine Learning .
	Azure Databricks is a data analytics platform that you can use for data engineering and data science. Azure Databricks uses distributed Spark compute to efficiently process your data. You can choose to train and manage models with Azure Databricks or by integrating Azure Databricks with other services such as Azure Machine Learning. Learn more about Azure Databricks .
	Azure Synapse Analytics is an analytics service, which uses distributed compute for big data analytics. Azure Synapse Analytics is primarily designed to ingest and transform data at scale but also includes several machine learning capabilities. To train models with Azure Synapse Analytics, you can train models on Spark pools with MLlib or use the integrated Automated Machine Learning feature from Azure Machine Learning. Learn more about Azure Synapse Analytics , and specifically about the machine learning capabilities in Azure Synapse Analytics .
	Azure AI Services is a collection of prebuilt machine learning models you can use for common machine learning tasks such as object detection in images. The models are offered as an application programming interface (API), so you can easily integrate a model with your application. Some models can be customized with your own training data, saving time and resources to train a new model from scratch. Learn more about Azure AI Services .



Choose a service to train a machine learning model

[1]

- **Use Azure AI Services** whenever one of the customizable pre-built models suits your requirements, to save time and effort.
- **Use Azure Synapse Analytics or Azure Databricks** if you want to keep the data, models, etc. (data engineering and data science) within the same service.
- **Use Azure Synapse Analytics or Azure Databricks** if you need distributed compute for working with large datasets. You'll need to work with PySpark to use the distributed compute.
- **Use Azure Machine Learning or Azure Databricks** when you want full control over model training and management.
- **Use Azure Machine Learning** when Python (or R) is your preferred programming language.
- **Use Azure Machine Learning** when you want an intuitive user interface to manage your machine learning lifecycle.



Choose a service to train a machine learning model

- Azure AI Services (formerly known as Cognitive Services)
 - **Pre-built ML models** and APIs
 - Add AI capabilities to applications without requiring deep ML expertise
 - Cover areas such as vision, speech, language, and decision-making
- Azure Machine Learning
 - Comprehensive platform designed for data scientists and developers
 - Build, train, and deploy **custom ML models**
 - Tools for data preparation, experimentation, and model management
 - Supporting various frameworks and programming languages

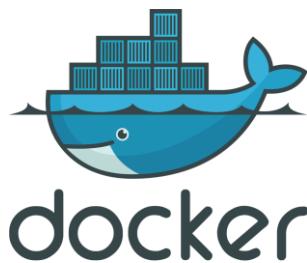


Creating Your Own ML Model with Azure Machine Learning

- 1. Define the problem**
- 2. Collect and prepare data** (Ensure it's clean, well-organized, and relevant)
- 3. Preprocess data** (Handle duplicates, missing values, outliers, etc.)
- 4. Split the data** (training, validation/test)
- 5. Choose a model** (select a ML algorithm/model based on the nature of your problem)
- 6. Set / tune hyperparameters** (settings that affect the learning process & not learned from the data)
- 7. Train the model** (Feed the training data into the model)
- 8. Validate the model**
- 9. Evaluate on test set** (go to 6)
- 10. Deploy the model**
- 11. Monitor and maintain**

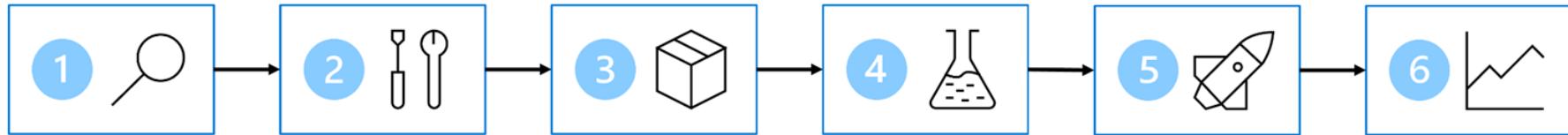


Azure Machine Learning Prerequisites





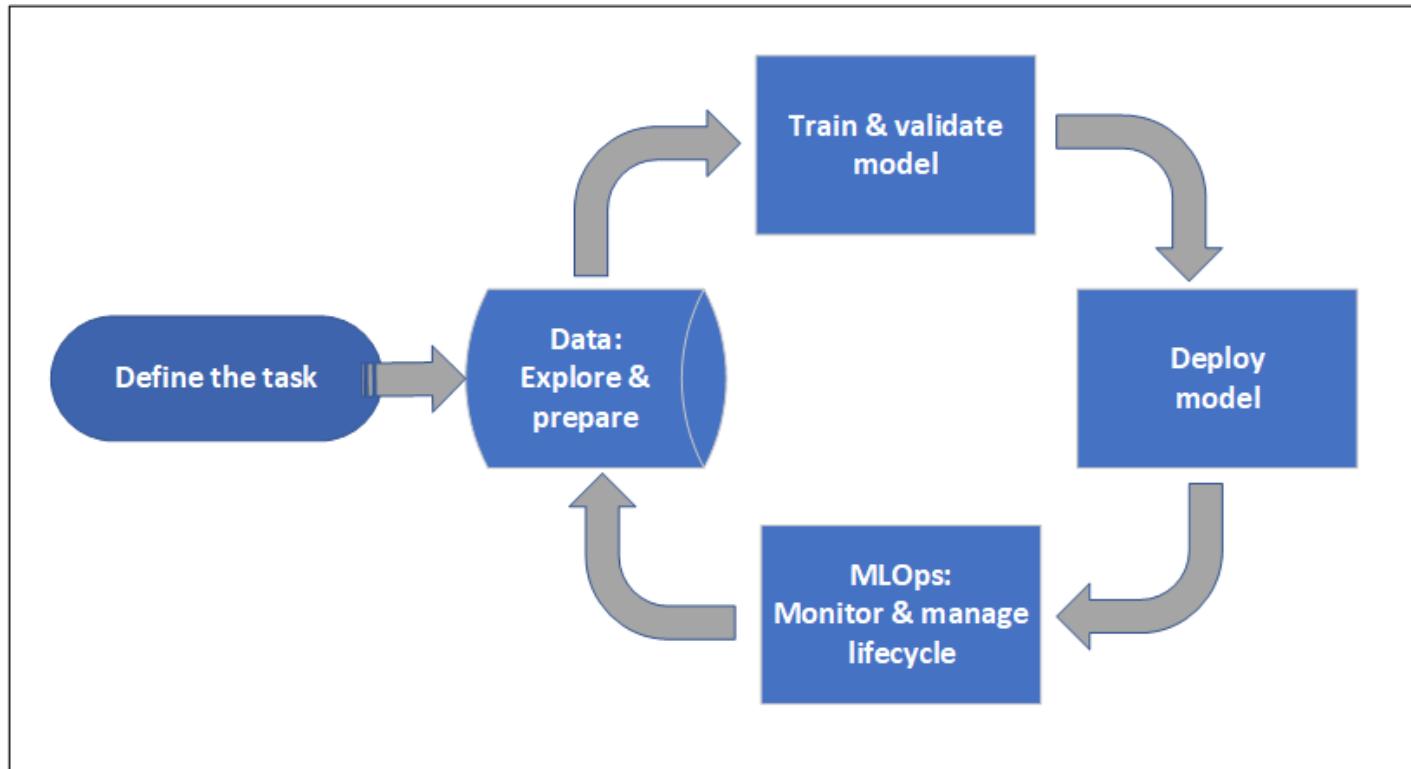
Azure Machine Learning Steps



- 1. Define the problem:** Decide on what the model should predict and when it's successful.
- 2. Get the data:** Find data sources and get access.
- 3. Prepare the data:** Explore the data. Clean and transform the data based on the model's requirements.
- 4. Train the model:** Choose an algorithm and hyperparameter values based on trial and error.
- 5. Integrate the model:** Deploy the model to an endpoint to generate predictions.
- 6. Monitor the model:** Track the model's performance.

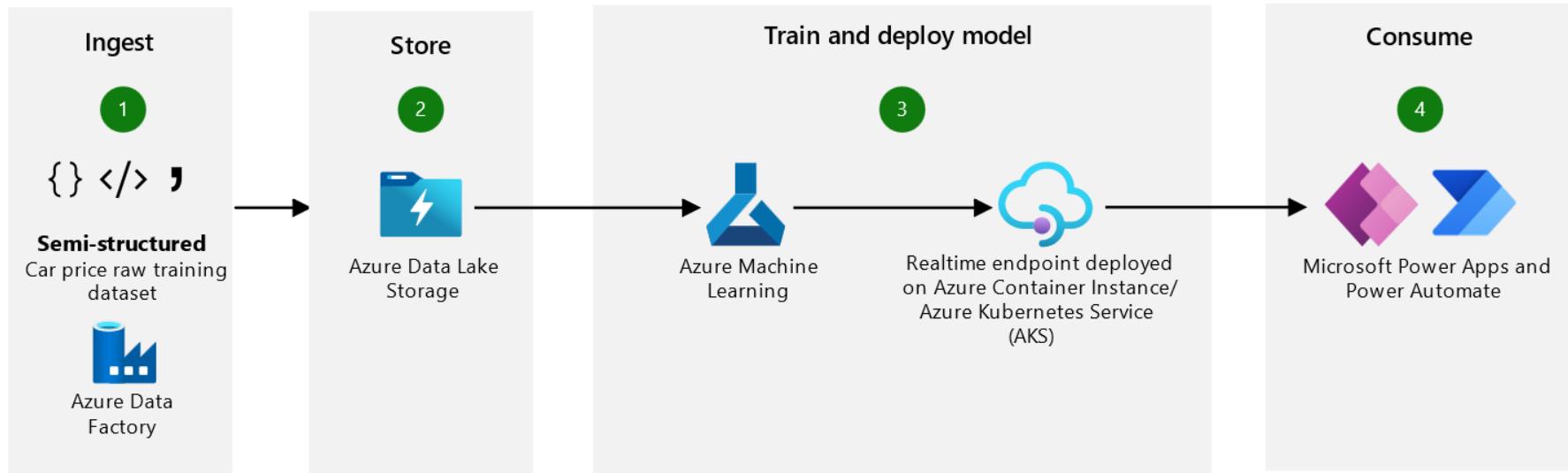


Azure Machine Learning Steps





Creating Your Own ML Model (Azure Machine Learning)





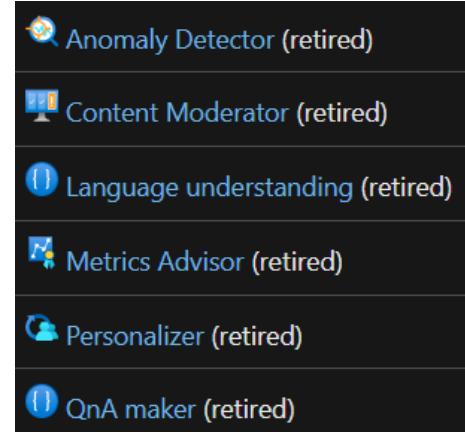
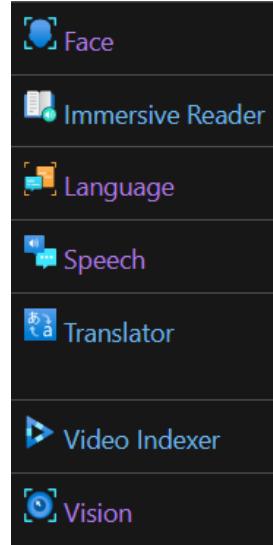
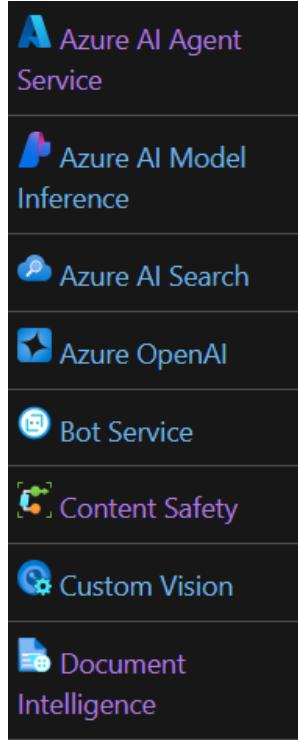
Azure solutions for integrating AI into applications



Azure AI services



Azure solutions for integrating AI into applications



Azure AI services

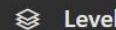
Credentials[Browse Credentials](#) [Certification Renewals](#) [FAQ & Help](#)

CERTIFICATION

Microsoft Certified: Azure Data Scientist Associate

Manage data ingestion and preparation, model training and deployment, and machine learning solution monitoring with Python, Azure Machine Learning and MLflow.

At a glance



Intermediate



Product

Azure

Microsoft Certified Azure Data Scientist Associate (DP-100) Crash Course

Published by [O'Reilly Media, Inc.](#)

Intermediate to advanced

Develop machine learning solutions with Microsoft Azure

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[What you'll learn](#) [Is this live event for you?](#) [Schedule](#)

Course outcomes

- Understand the use cases, scope, and capabilities of Azure Machine Learning
- Learn how to create a suitable working environment for data science workloads
- Explore the objectives of the DP-100 exam and prepare for the test

Course description

Machine learning skills are crucial in today's data-driven world, where businesses and industries rely on machine learning to gain insights, improve efficiency, and innovate. Microsoft Azure offers a rich set of machine learning tools and services and gaining experience managing end-to-end machine learning pipelines in Azure helps propel careers in data science. The DP-100: Designing and Implementing a Data Science Solution on Azure exam is aimed at validating these skills.

Expert Reza Salehi takes you through each of the exam domains and the process of designing Azure Machine Learning solutions. After this course you'll be prepared to take the exam DP-100 to become a Microsoft Certified: Azure Data Scientist Associate.

The Live Course has ended

Unfortunately there are no more sessions scheduled for this course at this time.

Would you like to search for more courses with [Reza Salehi](#) or about [Microsoft Azure](#)?

Notify me when new sessions are added.

Your Instructor



Reza Salehi

Reza Salehi is a consultant, trainer, author and industry expert with over two decades of experience in the professional IT field. Reza has trained thousands of students through various instructional formats, including live ses-...
[Read more](#)



Associated roles

[Cloud native engineer](#)

[Cloud solutions architect](#)

[Data architect](#)

[Database administrator](#)

[+4 more](#)

Skill covered

[Microsoft Azure](#)

Pulse Check: Have you used any Azure AI Services before?

Describe Artificial Intelligence workloads and considerations (15-20%)



Poll: I'm creating an online photo album and need AI to generate image captions. Which service is the easiest to use?

- Azure Computer Vision
- Azure Machine Learning
- Azure Cognitive Search
- Azure OpenAI Service



Describe Artificial Intelligence workloads and considerations (15-20%)



- Identify features of common AI workloads
- Identify guiding principles for responsible AI



AI Vision

- Identify features of content moderation and personalization workloads
- Identify computer vision workloads [see 1 2 3 4 5 6 7]
- Identify natural language processing workloads [see 0 1 2 3 4 5]
- Identify knowledge mining workloads [see 1 2 3 4 5]
- Identify document intelligence workloads [see 1]
- Identify features of generative AI workloads



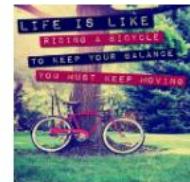
Identify Guiding Principles for Responsible AI

- Describe considerations for fairness in an AI solution [see [1](#) [2](#) [3](#)]
- Describe considerations for reliability and safety in an AI solution [see [1](#)]
- Describe considerations for privacy and security in an AI solution [see [1](#)]
- Describe considerations for inclusiveness in an AI solution [see [1](#)]
- Describe considerations for transparency in an AI solution [see [1](#)]
- Describe considerations for accountability in an AI solution [see [1](#)]



AI Vision

Use one of your own files or choose from a sample below.



Sample form #3



Detected attributes [JSON](#)

Nutrition Facts Amount Per Serving
Serving size: 1 bar (40g)
Serving Per Package: 4
Total Fat 13g
Saturated Fat 1.5g
Amount Per Serving
Trans Fat 0g
Calories 190
Cholesterol 0mg
Calories from Fat 110
Sodium 20mg
Daily Values are based on
Vitamin A 50%
calorie diet.



Content Moderation (Content Safety)

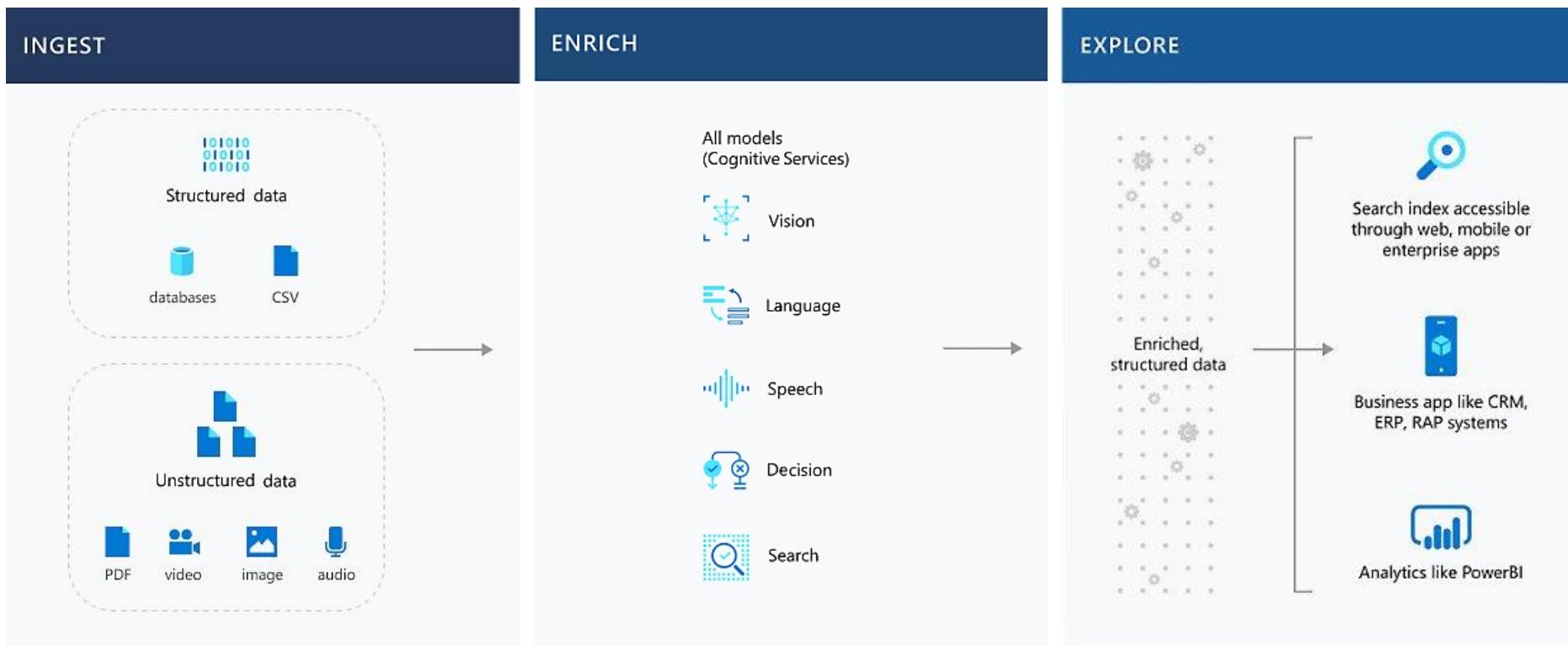
Configure filters Use blocklist [View code](#)

Set the Severity thresholds for each category. Content with a severity level less than the threshold will be allowed.
[Learn more about categories and threshold](#)

Category	Threshold level	↻
Violence	<p>High</p> <p><input checked="" type="checkbox"/> Violence</p> <p>Allow Low and Medium / Block High</p>	
Self-harm	<p>Low</p> <p><input checked="" type="checkbox"/> Self-harm</p> <p>Block Low, Medium and High</p>	



Knowledge Mining Workloads





Knowledge Mining Workloads



[Azure Cognitive Search](#)

Identify and explore relevant content with the only cloud search service with built-in AI capabilities.



[Azure Cognitive Services](#)

Employ cognition capabilities to expand understanding across content types.



[Azure Machine Learning](#)

Apply machine learning models as custom skills for specific requirements like industry-specific regulations.



[Azure Bot Services](#)

Design interactive experiences that enable users to extract information from their data via bot interface.



Azure AI Document Intelligence

Analyze | All pages | Range

Content Result Code

Role Content Polygon

title

NEWS TODAY Latest news and bulletin updates

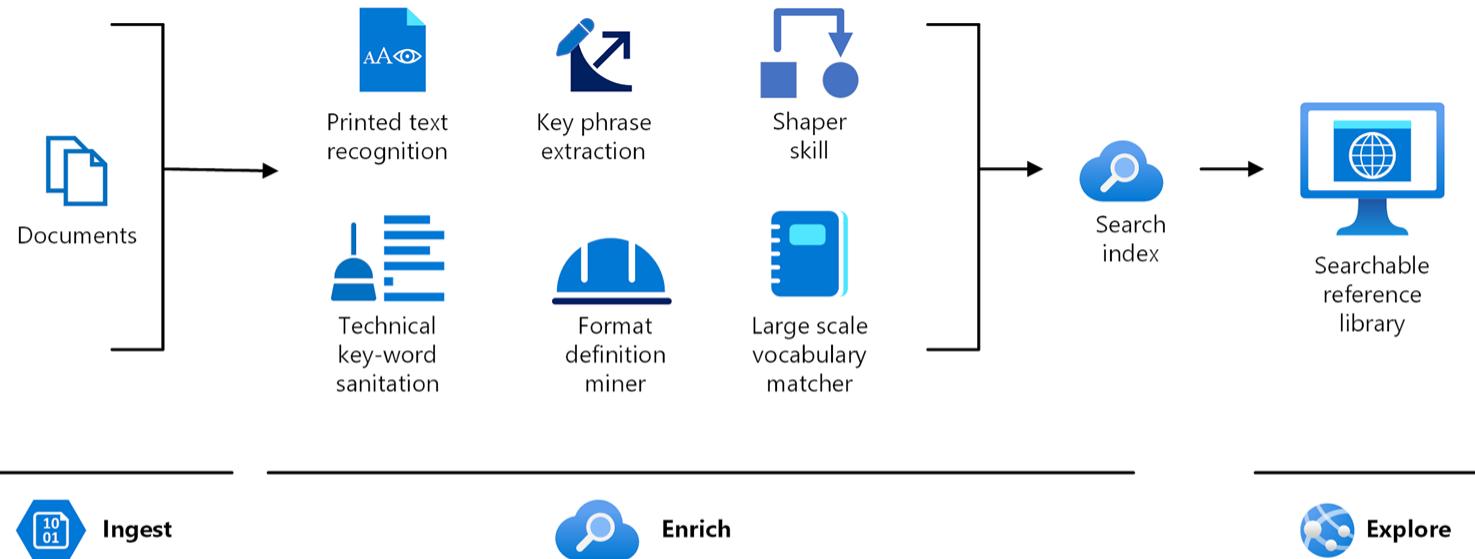
139, 9, 608, 8, 608, 89, 139, 90

5 "succeeded",
6 "dateTime": "2023-02-21T19:39:32Z",
7 "endedDateTime": "2023-02-21T19:39:34Z",
8 "analyzeResult": {
9 "apiVersion": "2022-08-31",
10 "modelId": "prebuilt-layout",
11 "stringIndexType": "utf16CodeUnit",
12 "content": "Tuesday, Sep 20, YYYY\nNEWS TODAY Latest news and bulletin updates",
13 "pages": [
14 {
15 "pageNumber": 1,
16 "angle": 0,
17 "width": 756,
18 "height": 1066,
19 "unit": "pixel",
20 "words": [

The screenshot shows the Azure AI Document Intelligence interface. On the left, there's a preview of a news article titled 'NEWS TODAY' with the subtitle 'Latest news and bulletin updates'. The article features a photo of a person walking across a crosswalk. On the right, the 'Result' tab is selected, displaying JSON analysis results. The 'Content' section includes the title and its bounding box coordinates (139, 9, 608, 8, 608, 89, 139, 90). The 'analyzeResult' section contains detailed information about the document's structure, including the API version (2022-08-31), model ID (prebuilt-layout), string index type (utf16CodeUnit), and the extracted content ('Tuesday, Sep 20, YYYY\nNEWS TODAY Latest news and bulletin updates'). The 'pages' section shows the layout of the first page with its width (756), height (1066), unit (pixel), and a list of words.

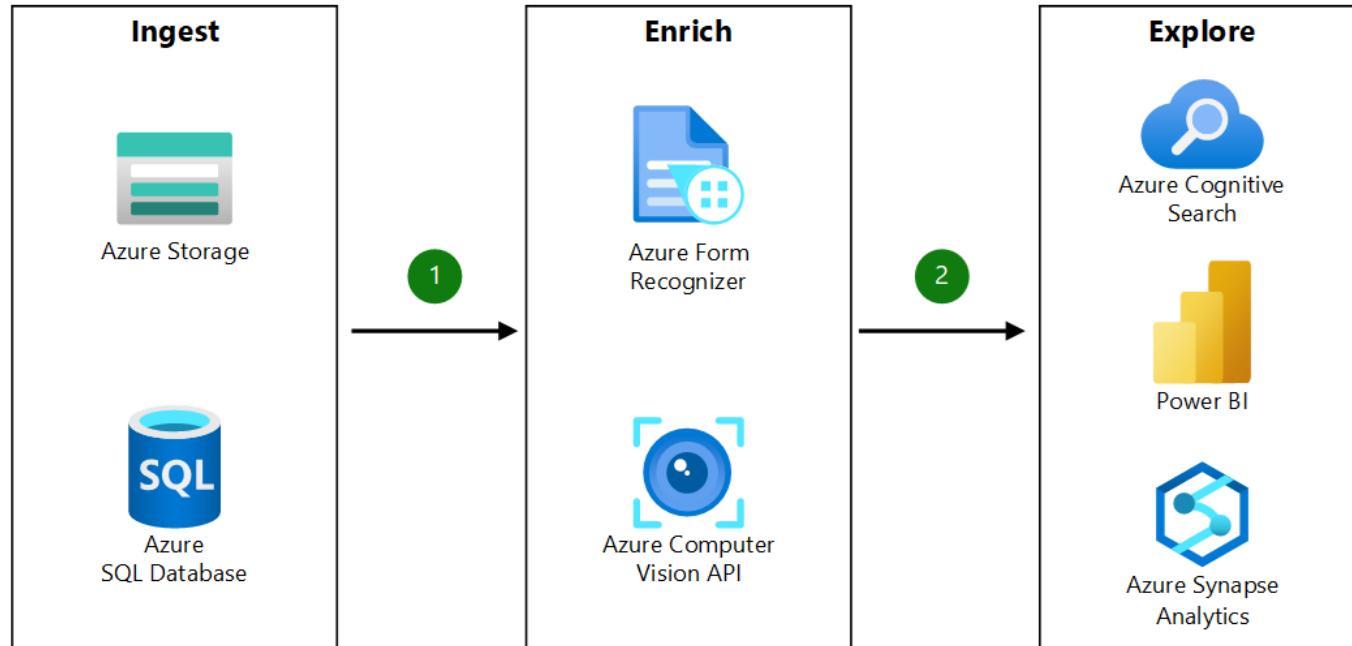


Knowledge Mining Workloads



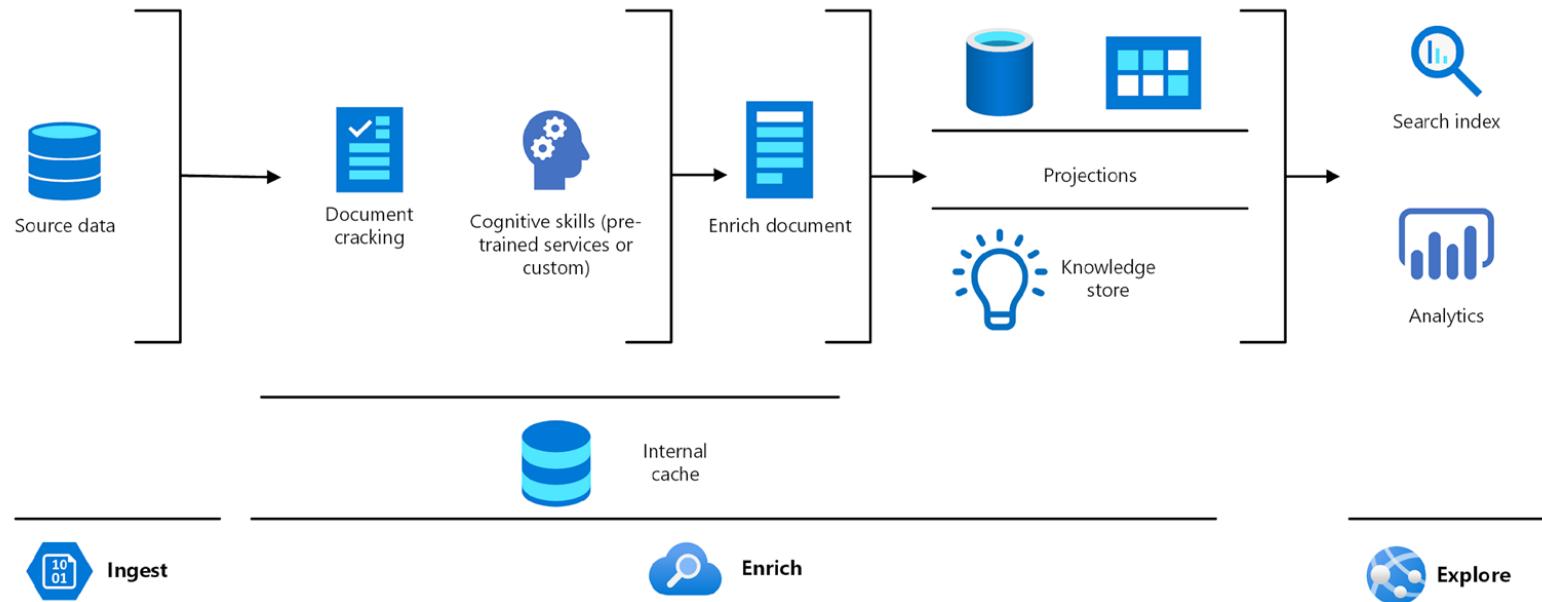


Knowledge Mining Workloads





Knowledge Mining Workloads





Describe Fundamental Principles of Machine Learning on Azure (20-25%)



Poll: I need to predict next summer's ice cream sales using past data. Which ML approach should I use?

- Clustering
- Classification
- Regression
- Deep Learning

Poll: I need to detect humans in online surveillance footage. Which ML approach should I use?

- Classification
- Clustering
- Regression
- Neural Networks

Poll: I need to put several images into cat and dog categories. Which ML approach should I use?

- Classification
- Clustering
- Regression
- Neural Networks



Describe Fundamental Principles of Machine Learning on Azure (20-25%)

- Identify common machine learning techniques
- Describe core machine learning concepts
- Describe Azure Machine Learning capabilities



Identify Common Machine Learning Techniques

- Identify regression machine learning scenarios [see [1](#) [2](#) [3](#) [4](#) [5](#) [6](#)]
- Identify classification machine learning scenarios [see [1](#) [2](#)]
- Identify clustering machine learning scenarios [see [1](#)]
- Identify features of deep learning techniques [see [1](#) [2](#)]



Describe Core Machine Learning Concepts

- Identify features and labels in a dataset for machine learning [see [1](#)]
- Describe how training and validation datasets are used in machine learning [see [1](#) [2](#)]



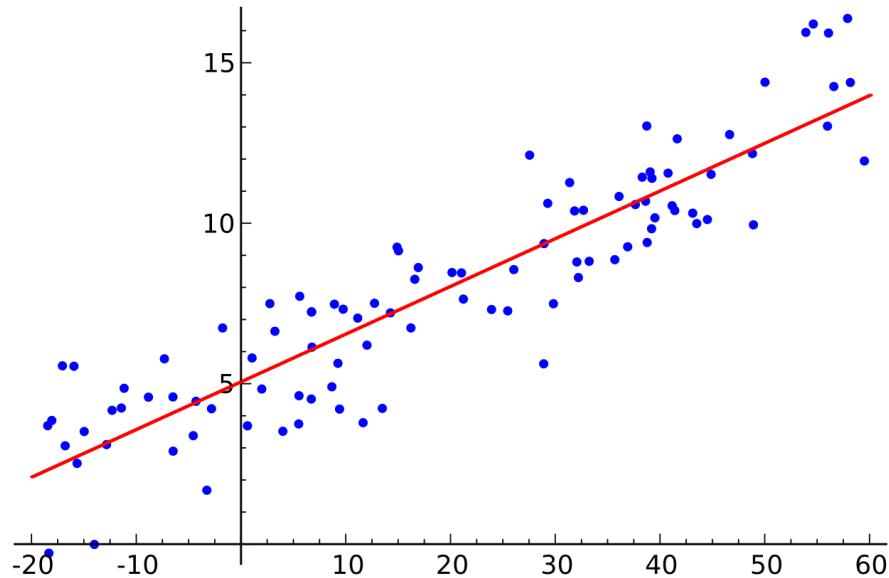
Describe Azure Machine Learning Capabilities

- Describe capabilities of Automated machine learning [see [1](#) [2](#) [3](#)]
- Describe data and compute services for data science and machine learning
- Describe model management and deployment capabilities in Azure Machine Learning [see [1](#) [2](#)]



Regression Machine Learning

- Estimate missing data
- Estimate future data (prediction)





Classification Machine Learning

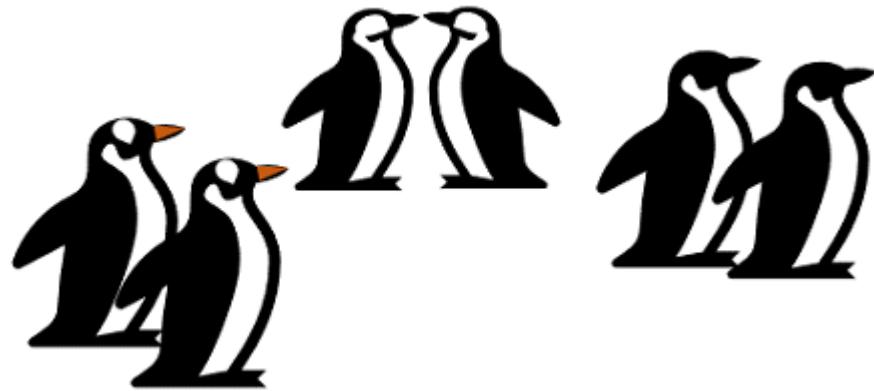
- Group images into categories





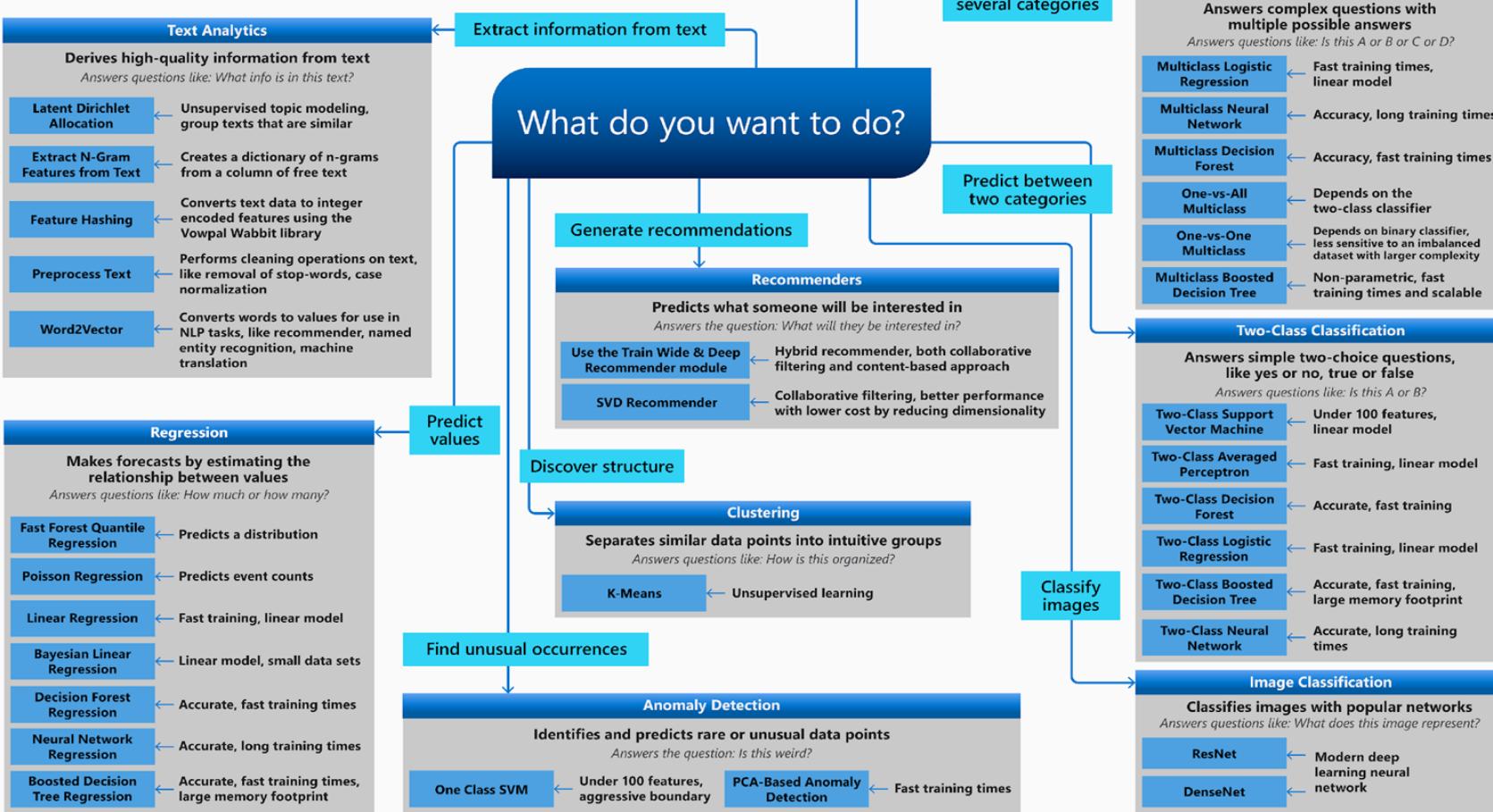
Clustering Machine Learning

- Grouping unlabeled examples



Machine Learning Algorithm Cheat Sheet

This cheat sheet helps you choose the best machine learning algorithm for your predictive analytics solution. Your decision is driven by both the nature of your data and the goal you want to achieve with your data.





Approach	Use Cases	Example Algorithms	Real-World Scenarios
Regression	Predicting a continuous outcome	Linear Regression, Ridge Regression, Lasso Regression	Sales forecasting, demand prediction, financial modeling
Classification	Assigning a label to input data	Logistic Regression, Decision Trees, Support Vector Machines	Email spam detection, sentiment analysis in customer feedback, image recognition in autonomous vehicles
Clustering	Grouping similar data points	K-Means, Hierarchical Clustering, DBSCAN	Customer segmentation for targeted marketing, anomaly detection in network security, organizing news articles into topics
Deep Learning	Complex hierarchical feature learning	Neural Networks, Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN)	Image and speech recognition, natural language processing, self-driving cars



Describe Features of Computer Vision Workloads on Azure (15– 20%)



Poll: How can I use Azure AI Vision APIs in my code?

- Export, and download the AI model
- Call the RestFul HTTP API
- Use Azure Machine Learning Studio

Poll: Are Azure AI Vision models customizable?

- Yes
- No



Describe Features of Computer Vision Workloads on Azure (15–20%)

- Identify common types of computer vision solutions
- Identify Azure tools and services for computer vision tasks



Identify Common Types of Computer Vision Solutions

- Identify features of image classification solutions [see [1](#) [2](#)]
- Identify features of object detection solutions [see [1](#) [2](#)]
- Identify features of optical character recognition solutions [see [1](#) [2](#)]
- Identify features of facial detection and facial analysis solutions [see [1](#) [2](#) [3](#)]

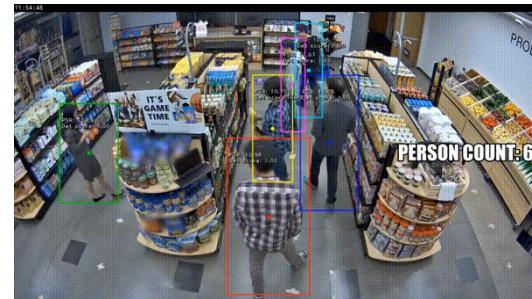


Identify Azure Tools and Services for Computer Vision Tasks

- Describe capabilities of the Azure AI Vision service [see [1](#) [2](#)]
- Describe capabilities of the Azure AI Face detection service [see [1](#) [2](#)]

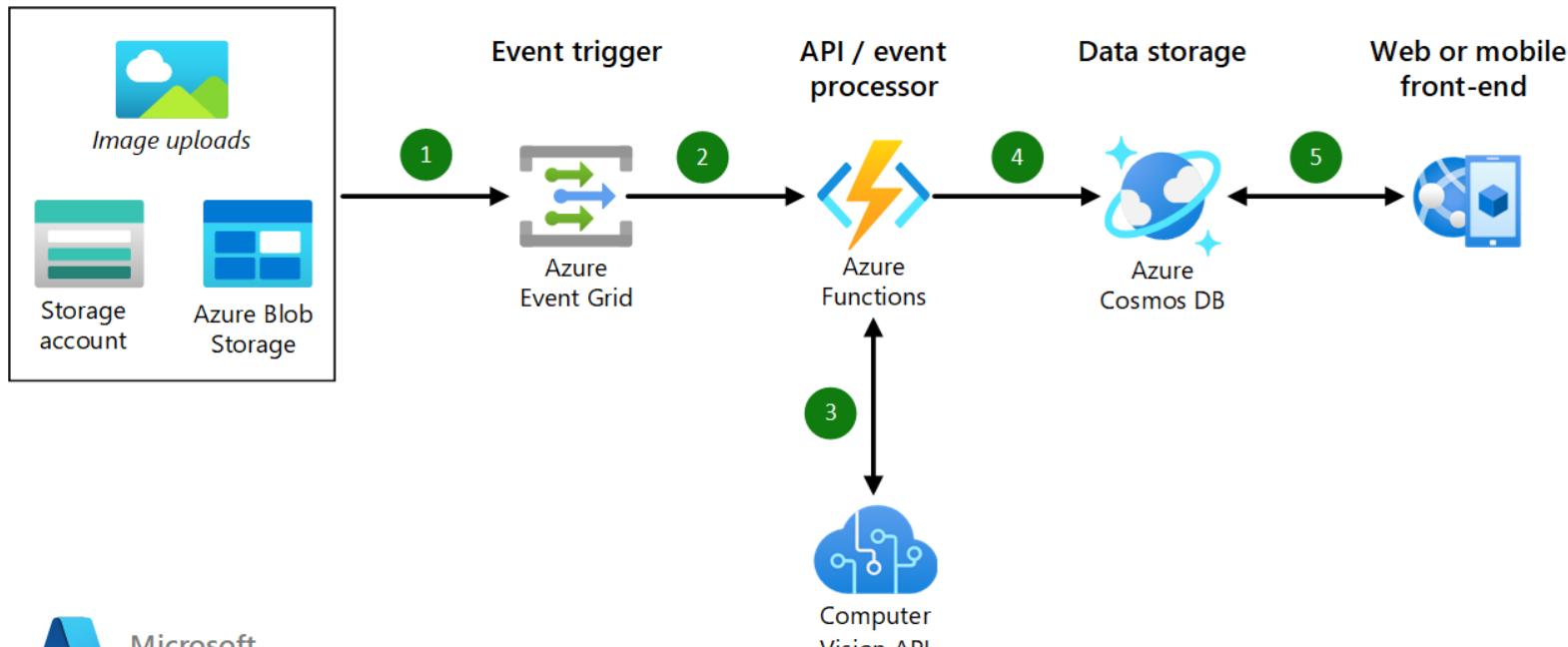


Computer Vision Workloads





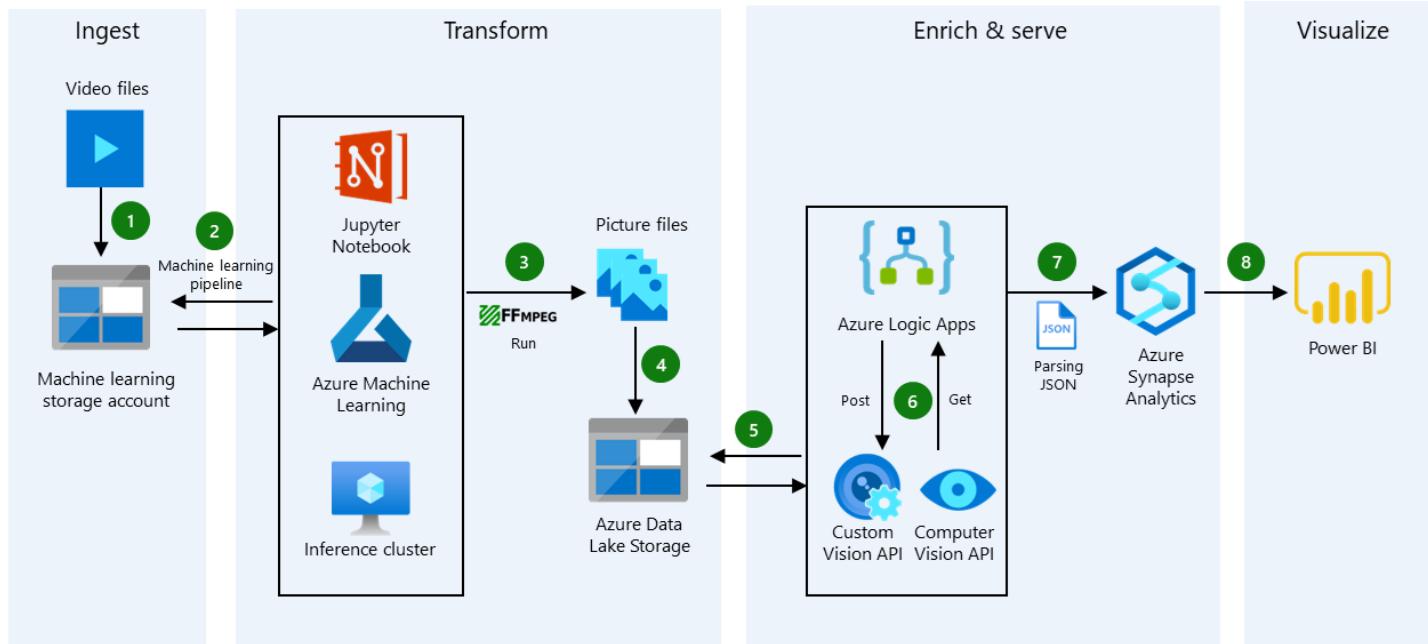
Computer Vision Workloads



Microsoft
Azure

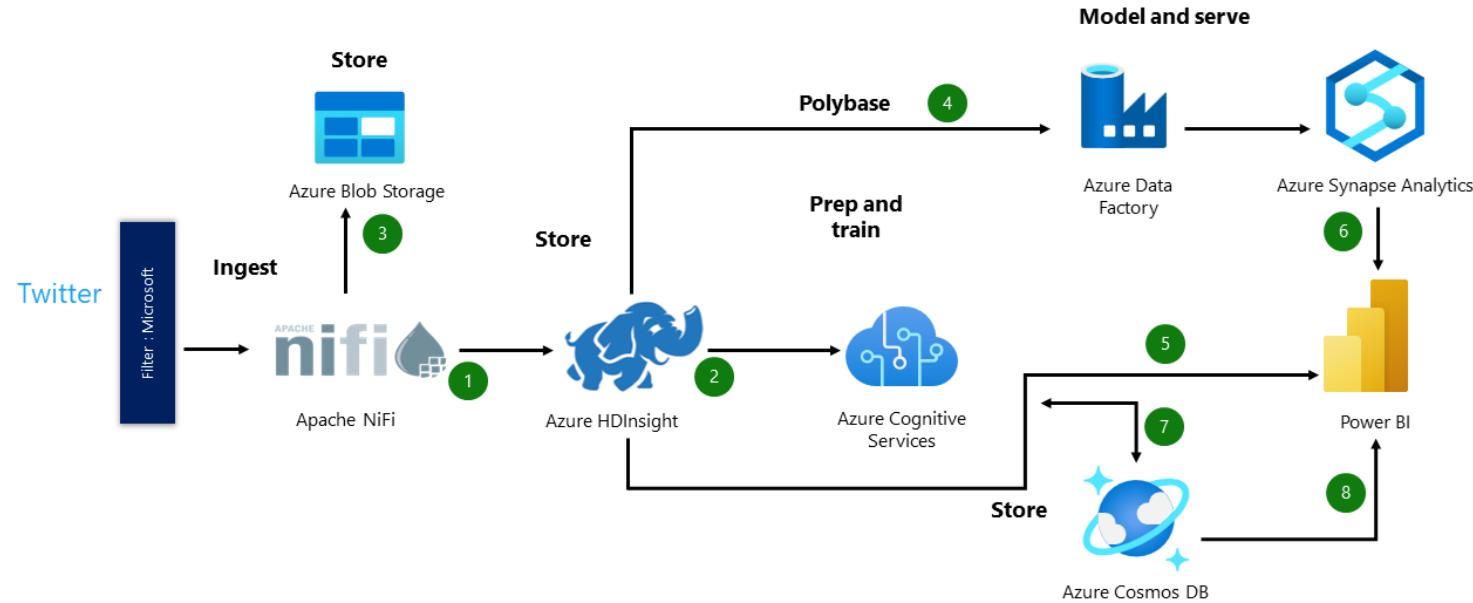


Computer Vision Workloads



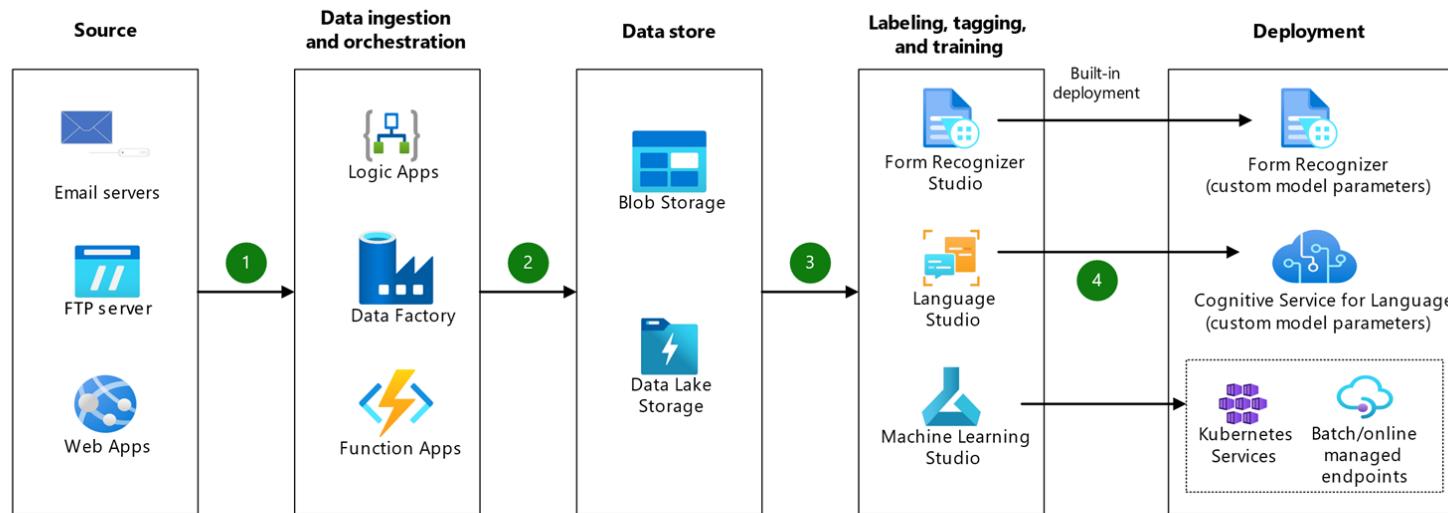


Computer Vision Workloads





Computer Vision Workloads





Describe Features of Natural Language Processing (NLP) Workloads on Azure (15-20%)



Poll: I need sentiment analysis for my product reviews. Which Azure service provides the easiest solution?

- Azure Machine Learning
- Azure AI Language
- Azure AL Speech
- Azure Open AI



Describe Features of Natural Language Processing (NLP) Workloads on Azure (15-20%)

- Identify features of common NLP workload scenarios
- Identify Azure tools and services for NLP workloads



Identify Features of Common NLP Workload Scenarios

- Identify features and uses for key phrase extraction [see [1](#) [2](#)]
- Identify features and uses for entity recognition [see [1](#)]
- Identify features and uses for sentiment analysis [see [1](#)]
- Identify features and uses for language modeling [see [1](#) [2](#)]
- Identify features and uses for speech recognition and synthesis [see [1](#) [2](#)]
- Identify features and uses for translation [see [1](#) [2](#)]

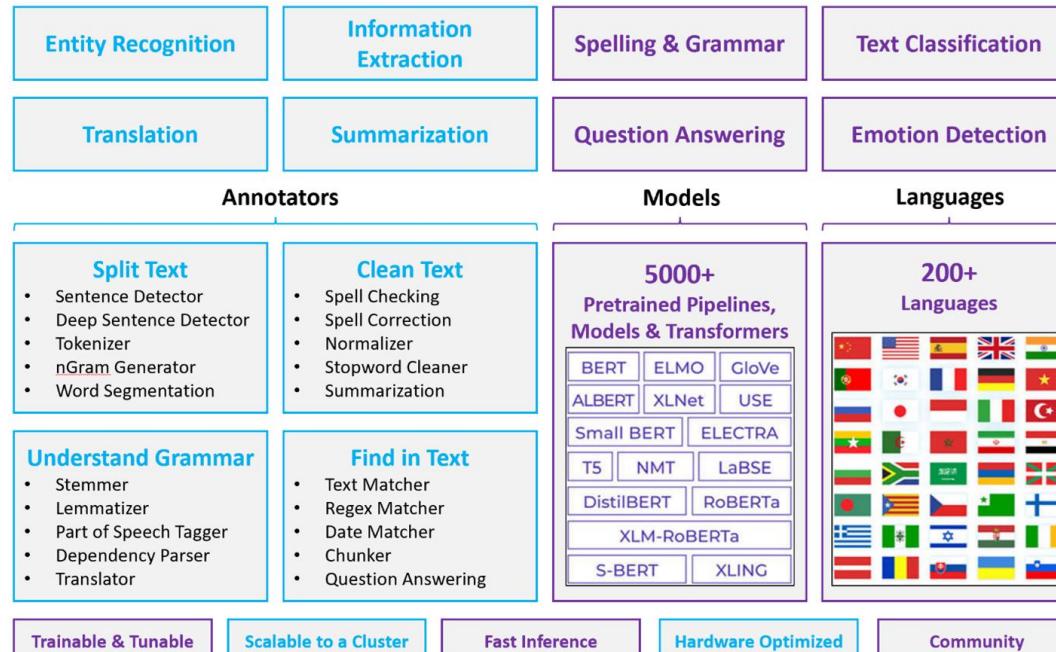


Identify Azure Tools and Services for NLP Workloads

- Describe capabilities of the Azure AI Language service [see [1](#)]
- Describe capabilities of the Azure AI Speech service [see [1](#)]
- Describe capabilities of the Azure AI Translator service [see [1](#)]

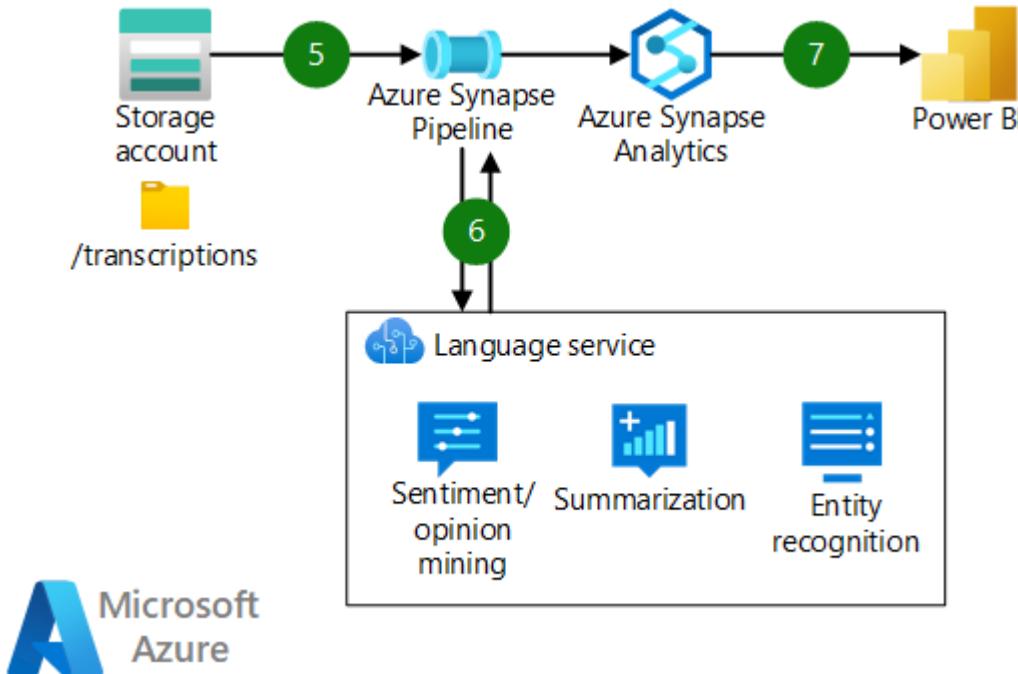


Natural Language Processing Workloads



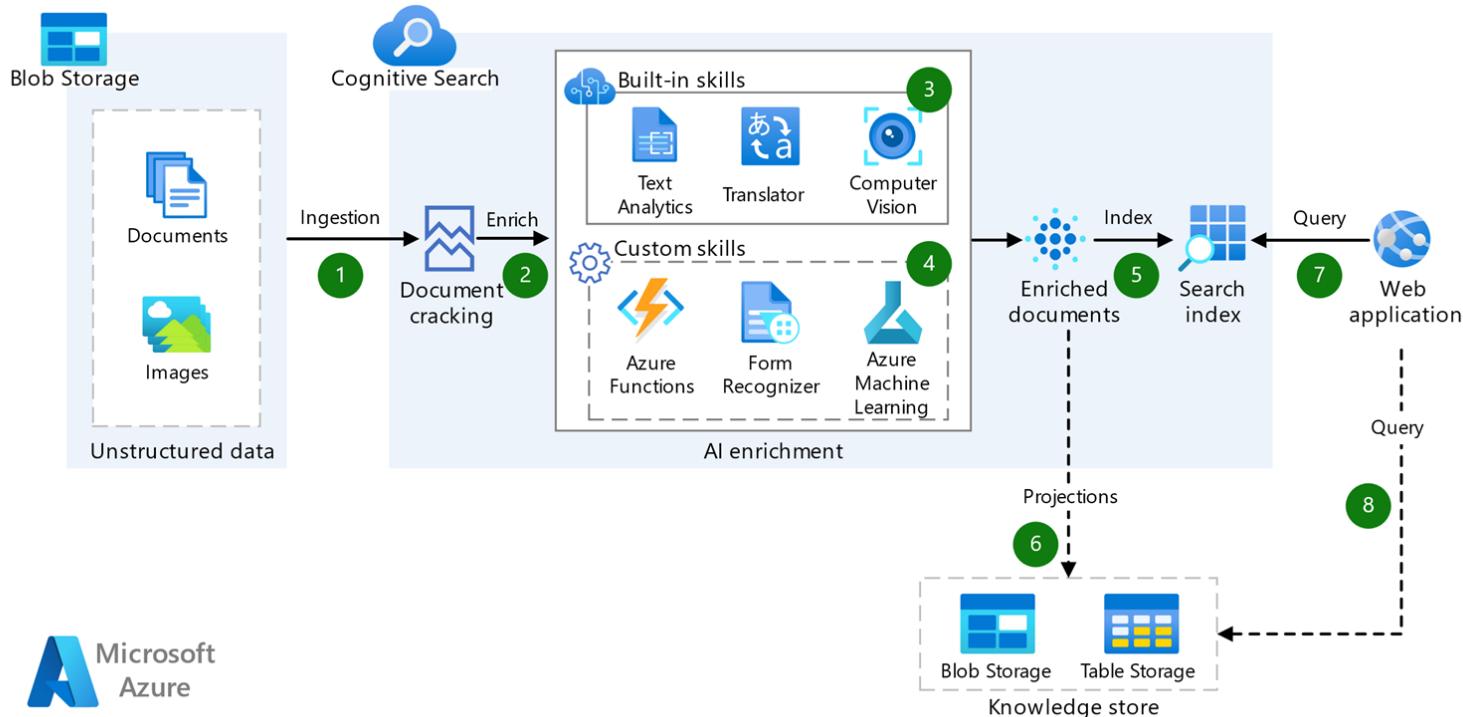


Natural Language Processing Workloads





Natural Language Processing Workloads





Describe features of generative AI workloads on Azure (15–20%)



Poll: I need to generate human-like text responses for a chatbot in my customer support application. Which Azure service should I use?

- Azure Machine Learning
- Azure Cognitive Search
- Azure Bot Services
- Azure OpenAI Service



Describe features of generative AI workloads on Azure (15–20%)

- Identify features of generative AI solutions [see [1](#)]
- Identify capabilities of Azure OpenAI Service [see [1](#)]



Identify Features of Generative AI Solutions

- Identify features of generative AI models [see [1](#)]
- Identify common scenarios for generative AI [see [1](#) [2](#)]
- Identify responsible AI considerations for generative AI



Identify Capabilities of Azure OpenAI Service

- Describe natural language generation capabilities of Azure OpenAI Service
- Describe code generation capabilities of Azure OpenAI Service [see 1]
- Describe image generation capabilities of Azure OpenAI Service



Azure OpenAI Service

- Prompts & completions
- Tokens
- Prompt engineering
- Azure AI Foundry

Feature	Azure OpenAI
Models available	<code>o3-mini</code> & <code>o1</code> - (Limited Access - Request Access ↗) <code>o1-mini</code> <code>GPT-4o</code> & <code>GPT-4o mini</code> <code>GPT-4</code> series (including <code>GPT-4 Turbo with Vision</code>) <code>GPT-3.5-Turbo</code> series Embeddings series Learn more in our Models page.
Fine-tuning	<code>GPT-4o-mini</code> (preview) <code>GPT-4</code> (preview) <code>GPT-3.5-Turbo</code> (0613).
Price	Available here ↗ For details on vision-enabled chat models, see the special pricing information .
Virtual network support & private link support	Yes.
Managed Identity	Yes, via Microsoft Entra ID
UI experience	Azure portal ↗ for account & resource management, Azure AI Foundry ↗ for model exploration and fine-tuning
Model regional availability	Model availability
Content filtering	Prompts and completions are evaluated against our content policy with automated systems. High severity content is filtered.



The Exam



AI-900 Exam FAQ

- Number of Questions: between 40 and 60
- Duration: 120 minutes
- Questions
 - See the [exam sandbox](#)
- There are no hands-on labs
- Pass Score: 700 (on a scale of 1-1000)



AI-900

- Exam AI-900
- Skills measured
- Exam Sandbox



Schedule exam

Exam AI-900: Microsoft Azure AI Fundamentals

United States 

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

Retirement date: none

Prove that you can describe the following: AI workloads and considerations; fundamental principles of machine learning on Azure; features of computer vision workloads on Azure; and features of Natural Language Processing (NLP) workloads on Azure.

\$99 USD*

Price based on the country or region in which the exam is proctored.

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For students or instructors

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[Take a free practice assessment](#)

Test your skills with practice questions to help you prepare for the exam. [Learn more about practice assessments.](#)

 Add



Select exam options

AZ-104: Microsoft Azure Administrator

Where do you want to take your exam?



At a test center



Online at my home or office

I have a Private Access Code



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



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-ai-900>



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

With your instructor

[Reza Salehi](#)

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Associated roles

[Cloud native engineer](#)

[Cloud solutions architect](#)

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[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

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4h 55m remaining

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/>

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Azure Cookbook

Recipes to Create and Maintain Cloud Solutions in Azure



Reza Salehi



Thank you!

Reza Salehi

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