



Practice Questions Edition'22

Prepare Yourself for Exam **AI-102**: Designing and Implementing a Microsoft Azure AI Solution

Enter

Hello learners!

After AI-102 exam training and certification you'll be able to build, manage, and deploy AI solutions that leverage Azure Cognitive Services and Azure Applied AI services.

Your responsibilities will include participating in all phases of AI solutions development—from requirements definition and design to development, deployment, maintenance, performance tuning, and monitoring. With certification in AI-102 you'll work with solution architects to translate their vision and with data scientists, data engineers, IoT specialists, and AI developers to build complete end-to-end AI solutions.

With AI-102 exam training you'll be equipped to perform the following technical tasks: plan and manage an Azure Cognitive Services solutions; implement Computer Vision solutions; implement natural language processing solutions; implement knowledge mining solutions; and implement conversational AI solutions.

Here are the practice questions for you to test yourself!



Here goes the Quiz

① An organization is looking for customer support with few numbers of people. Hence, they want to build a chatbot to interact with the customers. The chatbot should be build in such a way that it should be able to choose the language automatically and perform sentiment analysis on the messages it receives. For designing it should support knowledge base, chit-chat and multilingual models. What are the services that should be integrated into chatbot?

Select one:

A. Text Analytics, QnA Maker and Language Understanding

B. Speech, Translator and Visual perception

C. QnA Maker , Language Understanding and decision making

D. Translator, text Analytics and speech

② Your company has lots of invoices that contains valuable information in English. You need to use a service such that effort required to extract information should be minimal. Suggest a cognitive service that should be used?

Select one:

A. Custom Vision

B. Text Analytics

C. Form Recognizer

D. Personalizer



Here goes the Quiz

3 Your company wants to build a custom Form Recognizer model. The following files are received for training the model. Which of the following files can be processed by the model.

NAME	TYPE	SIZE
File 1	MP4	100 MB
File 2	PDF	10 MB
File 3	GIF	1 MB
File 4	JPG	30 MB
File 5	JPG	40 MB
File 6	GIF	4 MB

Select one:

- A. File 1
- B. File 2
- C. File 3
- D. File 4
- E. File 5
- F. File 6

4 A new sales system must be developed which can process text and video from a public facing website. The users are notified that their data is being processed by the system. Which parameter of responsible AI is met by the system?

Select one:

- A. Inclusiveness
- B. Accountability
- C. Fairness
- D. Transparency

Here goes the Quiz

- 5 Predictive maintenance of 50 industrial machines must be done. Almost 100 IOT sensors are used to collect data at ten-minute interval. Out of 5000 time series datasets, you need to verify unusual values of data to predict machine failure. Which service of Azure should you use?

Select one:

A. Cognitive Search

B. Form Recognizer

C. Custom Vision

D. Anomaly Detector

EXAM AI-102: DESIGNING AND IMPLEMENTING A MICROSOFT AZURE AI SOLUTION

Ideal course to learn implementation of Microsoft Azure AI Solution

AI-102 Training by Cloudthat is intended for software developers wanting to build AI infused applications that leverage Azure Cognitive Services, Azure Cognitive Search, and Microsoft Bot Framework



- 6 You provision a new resource group name ResourceG1 and create an App Service Plan named APSEVR1.If QnA maker service is provisioned in ResourceG1, which two resources are automatically provisioned in Azure?

Select one:

A. Azure Cognitive Search

B. Language Understanding

C. Azure SQL database

D. Azure App Service

Here goes the Quiz

7 In company's website videos you need to provide search interface using video indexer service. Depending on people present in the video, need to be able to search. What should be done?

Select one:

A. Video indexer to be installed on every staff phone

B. Edit the videos faces

C. Create face object and add in video indexer

D. Create person model and relate the model to videos

8 What are the metrics that can be used to evaluate a classifier in Custom Vision Service

Select one:

A. Weighted accuracy

B. Precision

C. Recall

D. F-score

E. Area under the curve (AUC)

9 Using language understanding model, an entity should be constructed to capture billing address for an ecommerce platform. Which type of entity should be created?

Select one:

A. List

B. Regex

C. Machine learned

D. Pattern.any

Here goes the Quiz

10 You must provide speech samples for a speech studio project. How can the files be uploaded?

Select one:

A. Upload a combined .wma format speech samples audio file.

B. Upload collection of audio files in .wma format as a .zip file and its corresponding text transcript file.

C. Upload a combined FLAC format speech samples audio file.

D. Upload .wma format individual files.

11 Using Microsoft Bot Framework, a chatbot has been created. What are the two tools that must be installed on local computer to debug the chatbot endpoint remotely?

Select one:

A. Bot Framework Emulator

B. Bot Framework Composer

C. Bot Framework CLI

D. nginx

E. ngrok

12 Which cognitive service should be used to know the public perception of a brand using natural language processing?

Select one:

A. Form Recognizer

B. Computer Vision

C. Text Analytics

D. Personalizer

Here goes the Quiz

13 You are using the transliteration service to convert text from Japanese using roman script. The url is given as `https://api.cognitive.microsofttranslator.com/transliterate?api-version=3.0`. What are the parameters to be specified?

Select Three:

A. `language=ja&fromScript=Jpan&toScript=Latn`

B. `&from=ja&to=en&to=fr`

C. `&from=ja&to=en&to=jpan`

D. `language=es&fromScript=Jpan&toScript=Latn`

14 How can you enable active learning in language understanding model?

Select one:

A. Enable entity detection

B. Add `log=true` to prediction endpoint query

C. Enable text priming

D. Add `learning_log=true` to prediction endpoint query

15 While creating enrichment pipeline in Azure Cognitive search, what type of projection should be used for JSON data and scanned PDF text documents.

Select one:

A. JSON: Table projection; Scanned data: File projection

B. JSON: File projection; Scanned data: object projection

C. JSON: Object projection; Scanned data: File projection

D. JSON: Object projection; Scanned data: Table projection

Here goes the Quiz

16 Based on a company's product reviews, the developed solution must generate word cloud. Which Text Analytics API should be used?

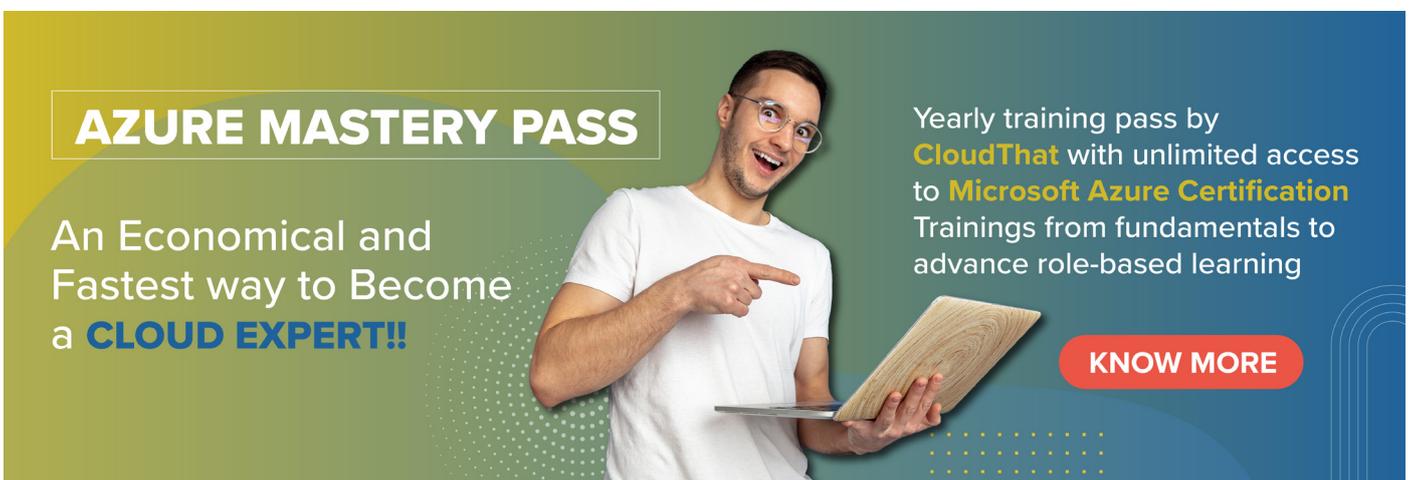
Select one:

A. Languages

B. Entity

C. Intent

D. KeyPhrases



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17 While using a web App that uses Azure Cognitive search, you suspect query key has been compromised. How can you prevent unauthorized access with minimal downtime? Select the three actions in correct sequence.

Select one:

A. Add a new query key, Change the app to use the new key and delete compromised key

B. Regenerate primary admin key, change the app to use secondary admin key and delete compromised key

C. Add a new query key, change the app to use secondary admin key and delete compromised key

D. Regenerate secondary admin key, change the app to use secondary admin key and change app to use primary key

Here goes the Quiz

18 What are the two parameters required to connect to cognitive services?

Select one:

A. Key and endpoint

B. Key and location

C. Location and endpoint

D. Endpoint and identity

19 If you want to store the keys of cognitive services securely, which Azure resource must be provisioned?

Select one:

A. Azure Storage

B. Azure SQL database

C. Azure Key Vault

D. Azure blob Storage

20 You are planning to use containers for cognitive services. Which of the parameters must be specified to provision the service?

Select one:

A. resource group

B. subscription id

C. app id

D. EULA

Check out the answers below:

1 C

3 BDE

5 D

7 D

9 C

11 AE

13 D

15 C

17 A

19 C

2 C

4 D

6 AD

8 BC

10 B

12 C

14 B

16 D

18 A

20 D



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Disclaimer: These questions are **NOT** appearing in the certification exam. CloudThat does not have any official tie-up with Microsoft regarding the certification or the kind of questions asked. These are the best guesses for the kind of questions to expect with Microsoft in general and with the examination.

Additional resources to support your preparation:

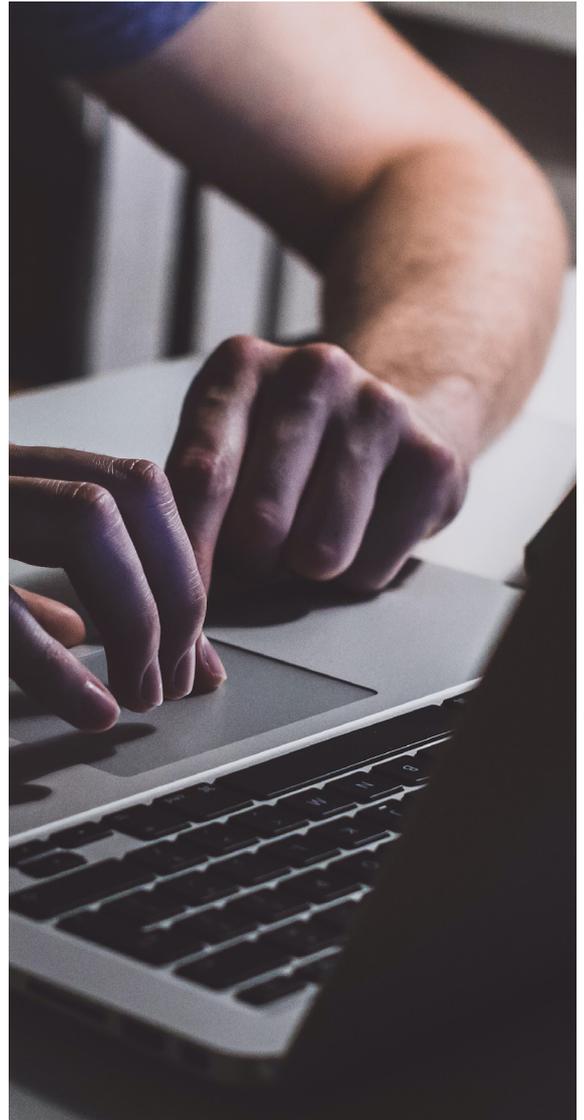
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CloudThat is the first company in India to offer Cloud Training & Consulting services for mid-market & enterprise clients from across the globe. Founded by Bhavesh Goswami, an ex-Amazonian with more than 10 years of experience in Cloud computing space, CloudThat has been empowering tech professionals with best-in-class training and consulting services.

Since, our inception in 2012, we have trained over 350K IT professionals from Fortune 500 companies on technologies such as Microsoft Azure, Amazon Web Services, Artificial Intelligence, Machine Learning, Google Cloud, IoT, OpenStack, OpenShift, DevOps, MongoDB, Big Data and more. We have global presence with offices in Bengaluru, Mumbai, UK, and the USA.

Over the years, CloudThat has proven its excellence in the field and has recently been recognized as the winner of Microsoft 2020 Global Partner of the Year Finalist award. With expertise in major Cloud platforms, CloudThat is a proud Microsoft Gold Partner, AWS Advanced Consulting Partner, Google Cloud Platform Partner, and Databricks Partner.



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We are Microsoft Gold Partner and the winner of Microsoft Learning Partner Year Finalist award, 2020.

CloudThat CEO is the MCT Regional Lead for India.

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We are a dynamic team of Microsoft certified trainers and professionals.

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We offer 200+ cloud certifications in emerging technologies.

Our training modules are equipped with 50%-60% hands-on labs sessions.



**Best
of luck!**

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