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MICROSOFT

AI-900T00: Microsoft Azure AI Fundamentals

Course Overview

Phoenix TS' 1-day instructor-led Microsoft Azure AI Fundamentals training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online introduces fundamentals concepts related to artificial intelligence (AI), and the services in Microsoft Azure that can be used to create AI solutions. The course is not designed to teach students to become professional data scientists or software developers, but rather to build awareness of common AI workloads and the ability to identify Azure services to support them.

What You'll Learn

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

Who Should Attend

The Azure AI Fundamentals course is designed for anyone interested in learning about the types of solution artificial intelligence (AI) makes possible, and the services on Microsoft Azure that you can use to create them. You don't need to have any experience of using Microsoft Azure before taking this course, but a basic level of familiarity with computer technology and the Internet is assumed. Some of the concepts covered in the course require a basic understanding of mathematics, such as the ability to interpret charts. The course includes hands-on activities that involve working with data and running code, so a knowledge of fundamental programming principles will be helpful.

Prerequisites

Familiarity with computers and using a web browser

Exam Information

AI-900: Microsoft Azure AI Fundamentals

Describe AI workloads and considerations	15-20%
Describe fundamental principles of machine learning on Azure	30-35%
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 conversational AI workloads on Azure	15-20%

You can purchase the exam voucher separately through Phoenix TS. Phoenix TS is an authorized testing center for Pearson VUE and Prometric websites. Register for exams by calling us or visiting the Pearson VUE and Prometric websites.

Course Outline

Module 1: Introduction to AI

In this module, you'll learn about common uses of artificial intelligence (AI), and the different types of workload associated with AI. You'll then explore considerations and principles for responsible AI development.

- Artificial Intelligence in Azure
- Responsible AI

After completing this module you will be able to:

- Describe Artificial Intelligence workloads and considerations

Module 2: Machine Learning

Machine learning is the foundation for modern AI solutions. In this module, you'll learn about some fundamental machine learning concepts, and how to use the Azure Machine Learning service to create and publish machine learning models.

- Introduction to Machine Learning
- Azure Machine Learning

After completing this module you will be able to:

- Describe fundamental principles of machine learning on Azure

Module 3: Computer Vision

Computer vision is a the area of AI that deals with understanding the world visually, through images, video files, and cameras. In this module you'll explore multiple computer vision techniques and services.

- Computer Vision Concepts
- Computer Vision in Azure

After completing this module you will be able to:

- Describe features of computer vision workloads on Azure

Module 4: Natural Language Processing

This module describes scenarios for AI solutions that can process written and spoken language. You'll learn about Azure services that can be used to build solutions that analyze text, recognize and synthesize speech, translate between languages, and interpret commands.

- Describe features of Natural Language Processing (NLP) workloads on Azure

Module 5: Conversational AI

Conversational AI enables users to engage in a dialog with an AI agent, or *bot*, through communication channels such as email, webchat interfaces, social media, and others. This module describes some basic principles for working with bots and gives you an opportunity to create a bot that can respond intelligently to user questions.

- Conversational AI Concepts
- Conversational AI in Azure

After completing this module you will be able to:

- Describe features of conversational AI workloads on Azure

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