AZ-202
Microsoft Azure Developer
Certification Transition

Exam Design

Audience Profile

THIS EXAM IS INTENDED ONLY FOR THOSE CANDIDATES WHO HAVE TAKEN EXAM 532: [DEVELOPING MICROSOFT AZURE SOLUTIONS](). IF YOU HAVE NOT TAKEN EXAM 532, YOU WILL NOT EARN A CERTIFICATION BY TAKING THIS EXAM. THIS EXAM IS AVAILABLE FOR A LIMITED TIME ONLY AND IS SCHEDULED FOR RETIREMENT ON MARCH 31, 2019.

The transition exam is intended for people who have already demonstrated skills in the content domain by passing the existing exam(s) that the new role-based certification exams will be replacing. They cover the delta between the current certification and what we expect people who earn the new certification to be able to do. We don't want to retest people on the same content where they have already demonstrated competence by passing the existing exam.

Transition exams cover net new content, content that wasn't covered in enough depth, and content on aspects of the technology that have likely changed since someone took the exam. As a result, the transition exam is not shorter than a typical exam but more focused on the key tasks and skills that were not assessed in the existing exam or certification that is being replaced.

Candidates for this exam are Azure Developers who design and build cloud solutions such as applications and services. They participate in all phases of development, from solution design, to development and deployment, to testing and maintenance. They partner with cloud solution architects, cloud DBAs, cloud administrators, and clients to implement the solution.

Candidates should be proficient in developing apps and services by using Azure tools and technologies, including storage, security, compute, and communications.

Candidates must have at least one year of experience developing scalable solutions through all phases of software development and be skilled in at least one cloud-supported programming language.

Skills Measured
Note: This document shows tracked changes that are effective as of January 2019.

Objective Domain

Develop for cloud storage (~~10~~15-~~15~~20%)

Develop solutions that use file storage
May include but not limited to: Implement quotas for File Shares in storage account; move items in file shares between containers asynchronously; set file storage container properties in metadata

Develop solutions that use a relational database
May include but not limited to: create, read, update, and delete database tables by using code; implement dynamic data masking

Create Platform as a Service (PaaS) Solutions (~~20~~30-~~25~~35%)

Create an app service Logic App
May include but not limited to: Create a custom connector for Logic Apps, a custom template for a Logic App; create a Logic App; package an Azure App Service Logic App

Create app or service that runs on Service Fabric
May include but not limited to: Develop a stateful Reliable Service and a stateless Reliable Service; develop an actor-based Reliable Service; write code to consume Reliable Collections in your service

Schedule bulk operations
May include but not limited to: Define the batch output and conditions by using Batch Service API; write code to run a batch job; run a batch job by using Azure CLI, Azure Portal, and other tools

Design and develop applications that run in containers
May include but not limited to: Configure diagnostic settings on resources; create a container image by using a Docker file; create an Azure Container Service (ACS/AKS) cluster by using the Azure CLI and Azure Portal; publish an image to the Azure Container Registry; implement an application that runs on an Azure Container Instance; implement container instances by using Azure Container Service (ACS/AKS), Azure Service Fabric, and other tools; manage container settings by using code

Secure cloud solutions (5-10%)

Implement access control
May include but not limited to: Implement Claims-Based Access Control (CBAC) and Role-Based Access Control (RBAC) authorization

Develop for an Azure cloud model (~~20~~25-~~25~~30%)

Develop for asynchronous processing
May include but not limited to: Implement parallelism, multithreading, processing, durable functions, Azure logic apps, interfaces with storage, interfaces to data access, and appropriate asynchronous compute models

Develop for autoscaling
May include but not limited to: Implement autoscaling rules and patterns (schedule, operational/system metrics, code that addresses singleton application instances, and code that addresses transient state

Implement distributed transactions
May include but not limited to: Identify tools to implement distributed transactions (e.g., ADO.NET, elastic transactions, multi-database transactions); manage transaction scope; manage transactions across multiple databases and servers

Implement cloud integration solutions (~~10~~15-~~15~~20%)

Configure a message-based integration architecture
May include but not limited to: Configure an app or service to send emails, Event Grid, and the Azure Relay Service; create and configure a Notification Hub, an Event Hub, and a Service Bus; configure queries across multiple products; configure an app or service with Microsoft Graph

Develop an application message model
May include but not limited to: Create a message schema and a message exchange; create an event model; create topics and subscriptions

Develop AI, Machine Learning, and IoT solutions

Integrate Azure Cognitive Services in an application
May include but not limited to: Develop solutions by using intelligent algorithms that identify items from images and videos; develop solutions by using intelligent algorithms related to speech, natural language processing, Bing Search, and recommendations and decision making

Create and integrate bots
May include but not limited to: Create a bot by using the Bot Framework; create a natural language conversation flow; manage bots by using the Azure Portal; register a bot by using the Bot Framework

Integrate machine learning solutions in an app
May include but not limited to: Deploy a model; prepare data and data sources; work with data scientists to refine models

Create and implement IoT solutions
May include but not limited to: Configure Azure Time Series Insights; configure Stream Analytics service for inputs and outputs; establish bidirectional communication with IoT devices by using IoT Hub; register devices with IoT Hub Device Provisioning Service