Microsoft certification paths
Microsoft Azure Certifications Paths

Microsoft Certification provides access to technical certifications that you can match to your learning and career goals. Individuals earn the certification by passing one or more exams that validate the skills needed for a particular role or need.

There are multiple certifications in Microsoft, choosing the right certification plays a vital role in your career growth.

Beginner

If you wish to take your career to greater heights in the cloud computing world, Microsoft Certified Fundamentals exams provide a solid foundation and are the recommended starting point for some of the next-level certifications.

With the usage of big data and artificial intelligence on the rise, the demand keeps growing for people with the necessary expertise. The supply of data scientists, data analysts, AI engineers, cloud computing professionals, etc. is not keeping pace.

This set of exams provide a comprehensive path forward for those looking to start a career in artificial intelligence, data science, and cloud computing.

The AZ-900 exam is designed for candidates looking to demonstrate foundational knowledge on the considerations and benefits of adopting cloud services. This exam will also cover knowledge of available options and benefits gained by implementing Microsoft Azure cloud service offerings.

The DP-900 exam is designed for candidates looking to build their foundational knowledge of cloud data services in Microsoft Azure. This exam is ideal for candidates who want to start working with data in the cloud and build and get basic skills in cloud data services.

The AI-900 exam is designed for candidates looking to demonstrate foundational knowledge of common ML and AI workloads and how to implement them on Azure. This exam is ideal for people new to the cloud profession and who want to start their career in Artificial Intelligence, Machine Learning, or Data Science.

Intermediate

Microsoft certifications include Intermediate and Advanced levels of certification which provide an opportunity for candidates to continue to learn new skills and validate their expertise. We have provided a description of the Microsoft intermediate certifications in the field of data below.

The DP-100 exam is designed for candidates looking to build their careers in data science. The Azure Data Scientist applies their knowledge of data science and machine learning to implement and run machine learning workloads on Azure; in particular, using Azure Machine Learning Service. This entails planning and creating a suitable working environment for data science workloads on Azure, running data experiments and training predictive models, managing and optimizing models, and deploying machine learning models into production.

The DP-200 exam is suitable for Microsoft Azure data engineers. It is a step towards the Azure Data Engineer Associate certification. It is tailored for data engineers who are in charge of implementing data solutions in Azure. The exam focuses on testing candidates' abilities to implement data solutions using Microsoft Azure services.

The **DP-201 exam** is another certification that is part of the Azure Data Engineer Associate in the Microsoft Azure role-based certification path. To obtain the Azure Data Engineer Associate certification, candidates need to pass both the DP-200 and the DP-201 exams. The exam focuses on testing candidates' abilities to design solutions using Microsoft Azure services.

The DP-300 exam is designed for professionals wishing to pursue the roles of a cloud-based database administrator or database management specialist. The exam tests the candidates ability to manage relational databases on the cloud and on-premises, using Microsoft Azure data services and Microsoft SQL Server. After successfully passing this exam, candidates obtain the Azure Database Associate certification.

The AZ-220 exam is designed for developers who want to specialize in IoT. Responsibilities for this role include managing the device lifecycle–set up, configuration, and maintenance–using cloud services and other tools. You implement designs for Azure IoT solutions including device topology, connectivity, debugging, and security, as well as solutions to manage, monitor, and transform IoT-related data pipelines. You also deploy Azure IoT Edge components and configure device networking on the edge. An Azure IoT Developer works with data engineers and other stakeholders to ensure successful business integration.

The AZ-140 exam is designed for Azure administrators with subject matter expertise in planning, delivering, and managing virtual desktop experiences and remote apps, for any device, on Azure. Candidates for this exam should have experience in Azure technologies, including virtualization, networking, identity, storage, backups, resilience, and disaster recovery. They should understand on-premises virtual desktop infrastructure technologies as they relate to migrating to Windows Virtual Desktop. These professionals use the Azure portal and Azure Resource Manager (ARM) templates to accomplish many of their tasks. They might use PowerShell and Azure Command-Line Interface (CLI) for more efficient automation.

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