Designed by Microsoft in 2010, Microsoft Azure is one of the widely used cloud computing platforms. Azure provides a wide variety of services, such as cloud storage, compute services, network services, cognitive services, databases, analytics, and IoT. It makes building, deploying, and managing applications very easy. All the Microsoft Azure fundamentals are also described to better understand readers.



Microsoft Azure tutorial is designed for beginners to learn about Microsoft Azure and its various cloud computing services. It covers important concepts and provides a comprehensive understanding of Azure’s services. The tutorial includes a variety of topics that delve into the uses and services of Azure in depth.

**Prerequisites to Learn Azure**

To learn Microsoft Azure there is no need of any extra knowledge any one can easily learn the Azure if they have the below listed set of skills.

* Basic understanding of Azure concept.
* Understanding of Cloud Concepts
* Understanding if basic infrastructure management, database management, and software development.

**Introduction of Microsoft Azure**

Discover how Azure empowers businesses to build, deploy, and manage applications across Microsoft’s global network of data centers, supporting a wide array of programming languages, frameworks, and tools. Whether you’re new to cloud computing or looking to expand your expertise, Azure provides the tools and scalability needed to meet diverse business needs effectively.

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* [Azure Architecture](https://www.geeksforgeeks.org/microsoft-azure-high-level-overview-of-architecture-center/)
* [How Azure Works?](https://www.geeksforgeeks.org/how-microsoft-azure-works/)
* [Microsoft Azure – Using the Azure Quickstart Centre](https://www.geeksforgeeks.org/microsoft-azure-using-the-azure-quickstart-centre/)
* [Microsoft Azure – Getting a Free Trial with Azure Quickstart Center](https://www.geeksforgeeks.org/microsoft-azure-getting-free-trial-with-azure-quickstart-center/)

**Storage**

Here in this section, you will discover how Azure Storage provides durability, scalability, and high availability, making it suitable for a wide array of use cases from simple file sharing to complex big data analytics and disaster recovery solutions.

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* [Microsoft Azure – Storage in Azure Cloud Shell](https://www.geeksforgeeks.org/microsoft-azure-storage-in-azure-cloud-shell/)

**Network**

In this section of Microsoft Azure tutorial you will learn all about Azure network like virtual network, network watcher, and more.

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**Compute**

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**Features of Microsoft Azure**

Microsoft Azure is a comprehensive cloud computing platform developed by Microsoft. Here are some of its key features:

* **Cloud Services:**Azure provides services like [Software as a Service (SaaS)](https://www.geeksforgeeks.org/software-as-a-service-saas/), [Platform as a Service (PaaS)](https://www.geeksforgeeks.org/platform-as-a-service-paas-and-its-types/), and Infrastructure as a Service (IaaS). It supports many programming languages, frameworks, and tools, including third-party systems.
* **Computational Services**: Azure’s Infrastructure as a Service (IaaS) feature allows you to launch general-purpose virtual machines in Microsoft Windows and Linux platforms.
* **Data Resilience**: Azure Cloud services offer more distribution points and data centers, enhancing data resilience.
* **Data Security**: Microsoft Azure has many levels of built-in security to meet customer needs.
* **Integrated Networking**: Networking is an important part of Microsoft Azure feature in Cloud architecture.
* **Enhanced Infrastructure Management**: Azure provides tools for managing infrastructure, improving efficiency.
* **Azure IoT Feature**: Azure offers Internet of Things (IoT) services, enabling devices to connect and interact.
* **Deployment Models**: Azure offers two deployment models for cloud resources – Classic Deployment Model and Azure Resource Manager.
* **Wide Variety of Services**: Azure delivers more than 600 services1.
* **Flexibility and Speed**: Azure is known for its enhanced flexibility, integrated delivery pipeline, security, disaster recovery, and speed of service.

**Conclusion**

With the numerous functionalities and features outlined in this lesson, the Microsoft Azure cloud platform improves business efficiency. Additionally, it is affordable and easy for beginners to understand. Also, this tutorial will help learners in preparation for Azure certifications. Here we will see how the storage, compute, and network services will work along with the management and deployment of data in the cloud.