

Technical Skills

The skills required to advance your career and earn your spot at the top do not come easily. Now there's a more rewarding approach to hands-on learning that helps you achieve your goals faster. **Earn points, levels, and achieve more!**





Microsoft Learn!

Up your game with a learning path tailored to today's developer and technology masterminds and designed to prepare you for industry-recognized <u>Microsoft certifications</u>.

Follow this interactive role based guide that helps navigate the hundreds of free courses available to you. The courses span a number of technologies and ranges from beginner to intermediate levels. You can then take your learning one step further by taking an exam and becoming certified.

In an every changing technological world it is imperative that we continue to develop our technical skills.









Why role-based learning matters

Choose the learning path tailored for you

Research shows that role-based learning approaches are much more effective than a one-size-fits-all strategy.

Learn new skills and discover the power of Microsoft products with step-by-step guidance. Start your journey today by exploring our learning paths and modules.



Administrator



Solution Architect



Developer





Technical skill levels: Beginner, Intermediate, and Certified

Build on what you know, using free online resources and then choose to take it to the next level by becoming certified.

Learning on your time: Tutorials and modules aligned to role-based certifications to fit your schedule.

Learn by doing: Interactive, in-browser coding environments provide hands-on experience.

Get recognized with achievements: Complete modules, test your knowledge, and earn and share achievements to recognize your Azure skills.

Learn the way you want: Choose from free <u>self-paced</u> <u>tutorials and hands-on learning</u>, free structured online courses from Pluralsight, and <u>instructor-led classes</u> from learning partners. The new learning content is aligned to the new <u>role-based certifications</u>.



Beginner

The courses at this level are all about

Fundamentals; learn how to set up and use the technologies needed for your day-to-day job. Get a high level introduction into some new tools and workloads and become confident in cloud technologies.



Intermediate

Courses at this level extend your cloud knowledge and take a *deeper dive* into the technologies that can take your learning further. You can master new skills and explore the innovations that could extend your day-to-day.



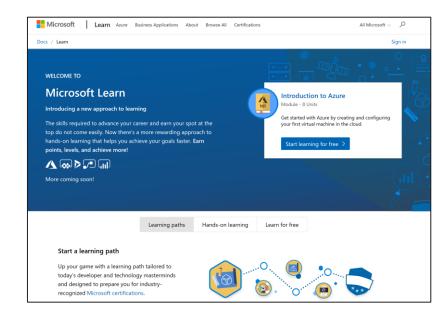
Certified

Take your learning one step further by becoming Microsoft Certified. Earn a role-based certification that shows you are keeping pace with today's technical requirements. Prove your expertise to employers and peers, and get the recognition and opportunities you've earned.

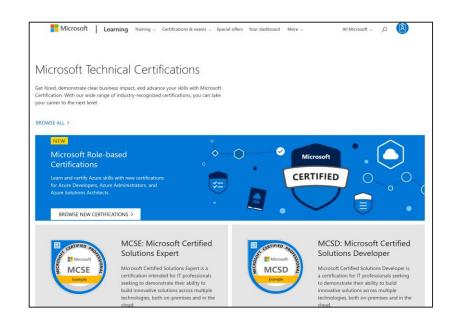


Microsoft Learn

We'll continue to optimize Microsoft Learn to help our customers build their practical skills and learn Microsoft technologies. This is where we'll launch new trainings, new learning paths, and tutorials for all of our services, including Azure, Dynamics, PowerBI, and Microsoft 365.



The Microsoft Learn Portal hoses all the content and courses detailed in this booklet.



The <u>Microsoft certifications</u> page has role based content and examinations that let you earn certifications





Tips on how to proceed

Assess your skill levels first, and find the courses and resources to build your capability and confidence

This document provides step-by-step guidelines to help you develop your technical skills by role type.

We start with a definitive set of learning roles and personas for you to identify with. Each has its own tailored technical skills-building path to follow, with plenty of links to free online resources. These are broken down into three skill levels – beginner, intermediate and certified — and provide guidance on how you can develop your technical skills.

The icons on this page highlight the various navigation elements you will see throughout the document and are there to ensure you find the relevant content that is right for you and your journey.



Return to your personal learning roles summary.



View a summary of all available learning roles in this document against which we have mapped skills.



Return to the home page.



View a summary of your digital capabilities and skills requirements.



View a summary of the digital capabilities you need to focus on.



View a summary of the skills relevant for beginners



View a summary of the skills relevant for intermediary



View a glossary of the Microsoft sources and information that have been used in the learning paths in this model.



A

Azure IT Administrator

One of the most important roles within any company now that we are in an age dominated by technology, the IT administrator typically will be responsible for a variety of administrative tasks designed to ensure your employer's IT network, security systems and servers are in perfect working order.

You play a major role in your company's IT network and your day to day tasks are likely to include; investigating and diagnosing network problems, collection of IT usage statistics, providing recommendations to improving the organisation's IT systems, configuration and installation of IT solutions and encouraging businesses' to embrace cloud technologies.

Use the icons below to discover the courses and tools you need to enhance your technical skills.

Navigate your digital journey



Overview of digital capabilities



Beginnerlevel skills



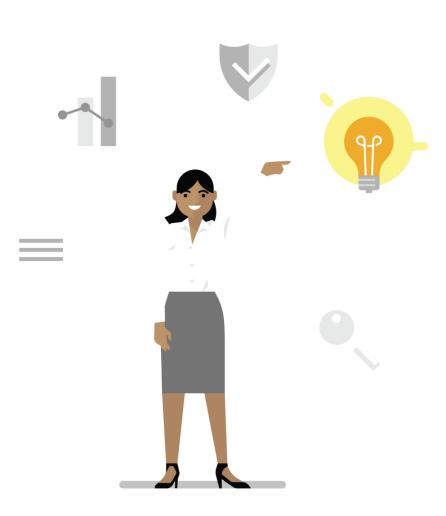
Intermediate -level skills



Certifiedlevel skills



Glossary







The systems and technology you need for your job

| Course | Description |
|--|--|
| Azure fundamentals | Interested in the cloud, but aren't quite sure what it can do for you? This is the place to start. |
| Principles of cloud computing | Explore the core concepts of cloud computing and how it can help your business. |
| Create an Azure Account | The first step to using Azure is to create an account. Your account holds the Azure services you provision and handles your personal settings like identity, billing, and preferences. |
| Core Cloud Services - Introduction to Azure | Get started with Azure by creating and configuring your first virtual machine in the cloud. |
| Secure your Azure resources | Learn how to use Role Based Access Control RBAC to manage access to resources in Azure. |
| Core Cloud Services - Azure networking options | Running your app or service in the cloud requires a fast and secure network. Learn some of the Azure networking basics and how Azure networking helps improve resiliency and reduce latency. |
| Manage resources in Azure | Learn how to work with the Azure command line and web portal to create, manage, and control cloud based resources. |
| Core Cloud Services - Manage services with the Azure portal | Tour the Azure portal features and services, and customize the portal. |





The systems and technology you need for your job Learn how to set up and use the technologies needed for your day-to-day job – these can be accessed on devices such as your PC, tablet, laptop, mobile

or other presentation boards and equipment.

| Course | Description |
|--|--|
| Build Azure Resource Manager templates | Learn how Resource Manager templates express your deployments as code, enabling you to deploy fast and reliably. |
| Keep your virtual machines updated | Deploy the Azure Update Management solution to update virtual machines in your cloud environment |
| Administer containers in Azure | This learning path will teach you how to create and manage your containers, and how ACI can be used to provide elastic scale for Kubernetes. |
| Introduction to Site Reliability Engineering (SRE) | Organizations big and small have started to realize just how crucial system and application reliability is to their business. Learn how Site Reliability Engineering (SRE) is a proven approach to this challenge. |
| Monitor and manage your coffee machine with Azure IoT Central | Learn how to create an Azure IoT Central application to monitor and manage an IoT device. |
| Security, responsibility and trust in Azure | Discuss the basic concepts for protecting your infrastructure and data when you work in the cloud. Understand what responsibilities are yours and what Azure takes care of for you. |
| Apply and monitor infrastructure standards with Azure Policy | Learn about governance and management in Azure services. |
| Core Cloud Services - Azure architecture and service guarantees | Azure provides a global network of secure datacenters you can deploy your services into. Learn about the physical architecture of Azure, how redundancy is provided, and what sort of service guarantees Microsoft provides. |





The systems and technology you need for your job Learn how to set up and use the technologies needed for your day-to-day job – these can be accessed on devices such as your PC, tablet, laptop, mobile

or other presentation boards and equipment.

| Course | Description |
|---|---|
| Manage virtual machines with the Azure CLI | Learn how to use the cross-platform Azure CLI to create, start, stop, and perform other management tasks related to virtual machines in Azure. |
| Create a Windows virtual machine in Azure | Azure virtual machines (VMs) enable you to create dedicated compute resources in minutes that can be used just like a physical desktop or server machine. |
| Administer infrastructure resources in Azure | Learn how to create, manage, secure and scale virtual machine resources. |
| Learn how to manage IoT devices as an IT Admin | With IoT adoption on the rise, learn what tools Microsoft offers Operations to help deploy, manage and secure said plethora of devices |
| Core Cloud Services - Azure compute options | Review the Azure compute services and explore how they can solve common business needs. |
| Create a Linux virtual machine in Azure | In this module, we'll discuss how to create a Linux virtual machine using the Azure portal. |
| Predict costs and optimize spending for Azure | Azure has several tools available to help you get a better understanding of cloud spend and some best practices that you can leverage to help you save money. |
| Introduction to Azure virtual machines | Learn about the decisions you make before creating a virtual machine, the options to create and manage the VM, and the extensions and services you use to manage your VM. |



Azure IT Administrator Intermediate

Planning and developing your learning

Take a deeper dive into the technologies that can take your learning further job – these can be accessed on devices such as your PC, tablet, laptop, mobile or other presentation boards and equipment.

| Course | Description |
|--|---|
| Top 5 security items to consider before pushing to production | Secure your web applications on Azure and protect your apps against the most common and dangerous web application attacks. |
| Secure your Azure SQL Database | Secure your Azure SQL Database to keep your data secure and diagnose potential security concerns as they happen. |
| Run Docker containers with Azure Container Instances | Learn how to run containerized apps using Docker containers with Azure Container Instances (ACI). |
| Secure your Azure resources with conditional access | There's a tradeoff between security and ease-of-access. The conditional-access feature of Azure Active Directory helps you implement a good balance between the two. Learn how to implement a conditional-access policy using Azure Active Directory. |
| Build and store container images with Azure Container Registry | Azure Container Registry is a managed Docker registry service based on the open-source Docker Registry 2.0. Learn how to build and store container images with Azure Container Registry. |
| Secure your Cloud Data | Azure was designed for security and compliance. Learn how to leverage the built-in services to store your app data securely to ensure that only authorized services and clients have access to it. |

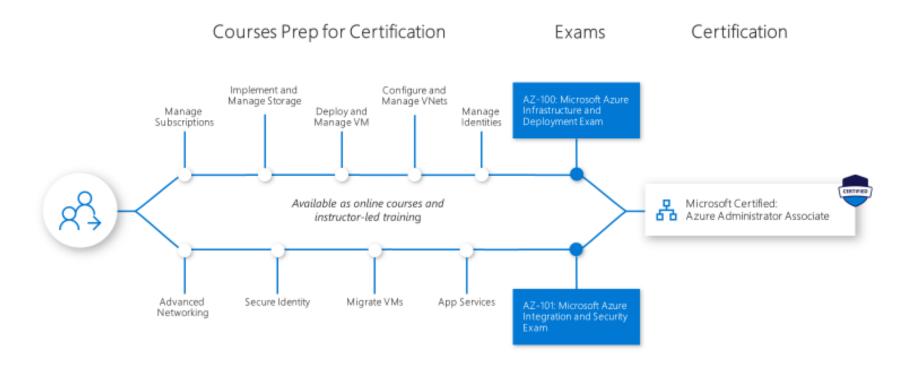




Azure IT Administrator CERTIFIED

Continuous learning

Take your learning one step further by becoming Microsoft Certified as a <u>Azure Administrator Associate</u>. An Azure Administrator is responsible for implementing, monitoring, and maintaining Microsoft Azure solutions, including major services related to compute, storage, network, and security. Follow the learning path below and get certified today!







A

Solution Architect

A solution architect plays an important role in the software development cycle, gathering requirements and directing the activities of the rest of the technical design team within a business. This role requires excellent attention to detail, as the solution architect frequently needs to examine functional specifications and translate them into system guidelines that shape project development as well as find ways to align projects with enterprise-level systems. Solution architects need to be highly technical and able to convert functional requirements into robust software solutions.

Your day to day tasks are likely to include; Conducting architectural evaluation and analysis of enterprise wide systems, Planning and designing complex company level storage solution configuration and Ensuring application architecture team delivers robust system solution to architect business.

Use the icons below to discover the courses and tools you need to enhance your skills.

Navigate your digital journey



Overview of digital capabilities



Beginnerlevel skills



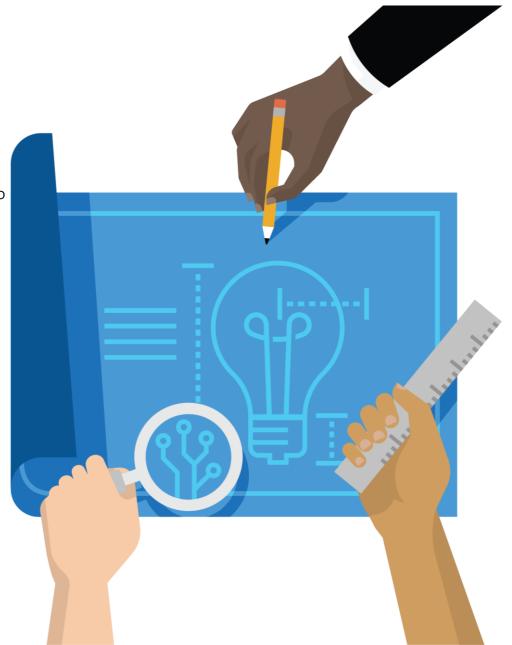
Intermediate -level skills



Certifiedlevel skills



Glossary











The systems and tech you need to succeed

| Course | Description |
|--|--|
| Core Cloud Services - Introduction to Azure | Get started with Azure by creating and configuring your first virtual machine in the cloud. |
| Core Cloud Services - Azure networking options | Running your app or service in the cloud requires a fast and secure network. Learn some of the Azure networking basics and how Azure networking helps improve resiliency and reduce latency. |
| Introduction to Azure virtual machines | Learn about the decisions you make before creating a virtual machine, the options to create and manage the VM, and the extensions and services you use to manage your VM. |
| Manage resources in Azure | Learn how to work with the Azure command line and web portal to create, manage, and control cloud based resources. |
| Predict costs and optimize spending for Azure | Azure has several tools available to help you get a better understanding of cloud spend and some best practices that you can leverage to help you save money. |
| Architect great solutions in Azure | Learn how to design and build secure, scalable, performant solutions in Azure by examining the core principles found in every good architecture. |
| Create an Azure Account | The first step to using Azure is to create an account. Your account holds the Azure services you provision and handles your personal settings like identity, billing, and preferences. |











The systems and tech you need to succeed

| Course | Description |
|---|--|
| Align requirements with cloud types and service models in Azure | Azure supports three approaches to deploying cloud resources - public, private, and the hybrid cloud. We will look at all three types and help you make an informed decision about which one to leverage for your services. |
| Pillars of a great Azure architecture | You want to build great things on Azure, but you're not sure exactly what that means. Using key principles throughout your architecture regardless of technology choice, can help you design, build, and continuously improve your architecture. |
| Principles of cloud computing | Explore the core concepts of cloud computing and how it can help your business. |
| Azure fundamentals | Interested in the cloud, but aren't quite sure what it can do for you? This is the place to start. |
| Core Cloud Services - Azure compute options | Review the Azure compute services and explore how they can solve common business needs. |
| Apply and monitor infrastructure standards with Azure Policy | Learn about governance and management in Azure services. |
| Core Cloud Services - Manage services with the Azure portal | Tour the Azure portal features and services, and customize the portal. |
| Security, responsibility and trust in Azure | Discuss the basic concepts for protecting your infrastructure and data when you work in the cloud. Understand what responsibilities are yours and what Azure takes care of for you. |











Solution Architect Intermediate

Find, curate, and create digital resources

Take a deeper dive into the technologies that can take your learning further job – these can be accessed on devices such as your PC, tablet, laptop, mobile or other presentation boards and equipment.

| Course | Description |
|---|---|
| Introduction to Azure compute | Review the Azure compute services and explore how they can solve common business needs. |
| Control and organize Azure resources with Azure Resource Manager | In this module, we'll discuss how to control and organize Azure resources with Azure Resource Manager. |
| Design for efficiency and operations in Azure | Learn how to design an Azure architecture that is cost- and operationally-efficient, eliminates waste, and gives you full visibility into what's happening in your environment. |
| Design for security in Azure | Learn how to incorporate security into your architecture design, and discover the tools that Azure provides to help you create a secure environment through all the layers of your architecture. |
| Architect great solutions in Azure | Learn how to design and build secure, scalable, performant solutions in Azure by examining the core principles found in every good architecture. |
| Design for availability and recoverability in Azure | Learn how to handle infrastructure and service failure, recover from the loss if data, and recover from a disaster by designing availability and recoverability into your architecture. |
| Design for performance and scalability in Azure | Scaling your system to handle load, identifying network bottlenecks, and optimizing your storage performance are important to ensure your users have the best experience. Learn how to make your application perform at its best. |
| Tour the N-tier architecture style for your application | Use a resource manager template to deploy an application styled in an N-tier architecture, identify key concepts of N-tier architectures, and review best practices for deployments of this style. |



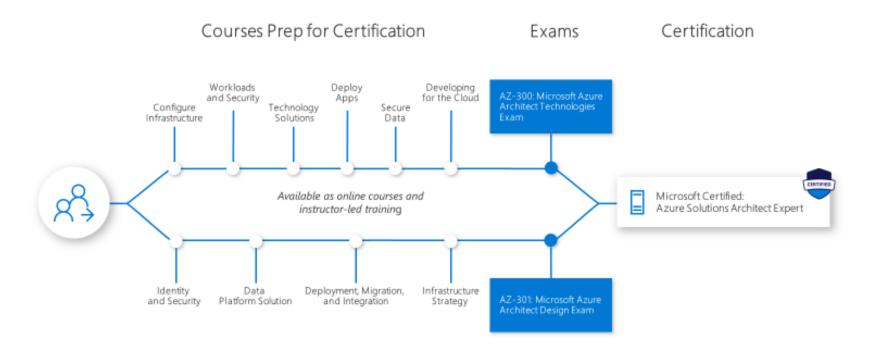


Solution Architect () CERTIFIED



Continuous learning and reflection

Take your learning one step further and master the skills needed to design solutions that run on Azure. Become Microsoft Certified as a Azure Solutions Architect Expert. A Microsoft Azure solution architect must have expertise in compute, network, storage, and security. Follow the learning path below and get certified today!











Developer

This role is critical for a business to continue evolving and shaping in a technological age. Currently, about a third of IT jobs are in development and programming showing its importance in the market. There are many types of developers; software, application, web, game and database to name a few.

Take a software developer - you'll be playing a key role in the design, installation, testing and maintenance of software systems. The programs you create are likely to help businesses be more efficient and provide a better service. Based on your company's requirements, you might be responsible for writing and coding individual programmes or providing an entirely new software resource. Your typical day may include reviewing current systems and presenting ideas for improvements, creating detailed specifications and writing program codes and testing in a controlled situation before going live and implementing the changes across business.

Use the icons below to discover the courses and tools you need to enhance your skills.

Navigate your digital journey



Overview of digital capabilities



Beginnerlevel skills



Intermediate -level skills



Certifiedlevel skills



Glossary









The systems and tech you need at work

| Core Cloud Services - Introduction to Azure Core Cloud Services - Azure networking patients Running your app or service in the cloud requires a fast and secure network. Learn some of the Azure networking helps improve resiliency and reduce latency. Learn about the decisions you make before creating a virtual machine, the options to create and manage the extensions and services you use to manage your VM. | |
|---|-------------|
| basics and how Azure networking helps improve resiliency and reduce latency. Learn about the decisions you make before creating a virtual machine, the options to create and manage the | |
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| | e vivi, and |
| Create an Azure Account The first step to using Azure is to create an account. Your account holds the Azure services you provision an your personal settings like identity, billing, and preferences. | ıd handles |
| Azure fundamentals Interested in the cloud, but aren't quite sure what it can do for you? This is the place to start. | |
| ASP.NET Core supports building RESTful services, also known as web APIs, using C#. In this module, you'll lead create a web API supporting Create, Read, Update, Delete (CRUD) operations. | arn how to |
| Choose a data storage approach in Azure Learn how using Azure Storage, Azure SQL Database, and Azure Cosmos DB - or a combination of them - for business scenario is the best way to get the most performant solution. | or your |
| Principles of cloud computing Explore the core concepts of cloud computing and how it can help your business. | |







Developer BEGINNER

The systems and tech you need at work

Description

| Description |
|--|
| Review the Azure compute services and explore how they can solve common business needs. |
| Learn about the decisions you make before creating a virtual machine, the options to create and manage the VM, and the extensions and services you use to manage your VM. |
| Create a simple application and add configuration, client library references, and code to connect it to Azure Storage. |
| Azure Database for PostgreSQL provides fully managed, enterprise-ready community PostgreSQL database as a service. Learn how to create and deploy this service and connect it to your applications |
| Set up your local development environment with several popular IDEs. |
| In this module, we'll discuss how to create a Linux virtual machine using the Azure portal. |
| Learn how to create, configure, and manage virtual machines on Linux and Windows that host web apps. |
| Discuss the basic concepts for protecting your infrastructure and data when you work in the cloud. Understand what responsibilities are yours and what Azure takes care of for you. |
| |









The systems and tech you need at work

| Course | Description |
|--|--|
| Store data in Azure | Azure provides a variety of ways to store data: unstructured, archival, relational, and more. Learn the basics of storage management in Azure, how to create a Storage Account, and how to choose the right model for storage. |
| Manage virtual machines with the Azure CLI | Learn how to use the cross-platform Azure CLI to create, start, stop, and perform other management tasks related to virtual machines in Azure. |
| Manage secrets in your server apps with Azure Key Vault | Azure Key Vault, in combination with managed identities for Azure resources, enables your Azure web app to access secret configuration values securely without needing to store any secrets in your source control or configuration. |
| Build a .NET Core app for Azure Cosmos DB in Visual Studio Code | Learn how to build a database app to store and query data in Azure Cosmos DB by using Visual Studio Code. |
| Insert and query data in your Azure Cosmos DB database | Learn how to add data to your database and query NoSQL data in Azure Cosmos DB. |
| Control Azure services with the CLI | Install the Azure CLI locally and use it to manage Azure resources. |
| Work with NoSQL data in Azure Cosmos DB | Learn how to use the Azure portal, the Azure Cosmos DB extension for Visual Studio Code, and the Azure Cosmos DB .NET Core SDK to work with your NoSQL data where you want, and provide your users with high availability. |
| Classify images with the Microsoft Custom Vision Service | Create, train and test a custom image classification model using the Custom Vision Service to accurately identify paintings from famous artists. |











The systems and tech you need at work

Description

| Description |
|--|
| Learn how to set up a MEAN-based web application on a new Azure Linux virtual machine. |
| Use Redis caching in Azure to reduce the load on databases. Apply different caching architectures to support larger loads in distributed and high-volume environments. |
| Azure has several tools available to help you get a better understanding of cloud spend and some best practices that you can leverage to help you save money. |
| Learn about governance and management in Azure services. |
| Azure provides a global network of secure datacenters you can deploy your services into. Learn about the physical architecture of Azure, how redundancy is provided, and what sort of service guarantees Microsoft provides. |
| Tour the Azure portal features and services, and customize the portal. |
| In this module, we'll explore the benefits of Azure data storage versus on-premises storage. |
| A trigger is responsible for executing an Azure function and there are dozens of triggers to choose from. This module will you show you some of the most common types of triggers and how to configure them to execute your logic. |
| |



Developer BEGINNER

The systems and tech you need at work

| Course | Description |
|--|---|
| Host a web application with Azure App service | Azure App Service enables you to build and host web applications in the programming language of your choice without managing infrastructure. Learn how to create a website through the hosted web app platfor. |
| Get started with Azure DevOps | In this module, we'll explore DevOps and learn how to get started with Azure DevOps. |
| Build a chat bot with the Azure Bot Service | The Azure Bot Service, combined with Microsoft QnA Maker, provide the tools developers need to build and publish intelligent bots that interact naturally with users using a range of services. |
| Provision an Azure SQL database to store application data | Use the Azure Portal and Cloud Shell to provision, connect, and manage Azure SQL databases. |
| Chain Azure functions together using input and output bindings | Azure Functions makes it easy for your function code to integrate with data and services. Through the power of bindings, you declare the data sources to read and write, and let Azure Functions take care of the rest. |
| Create an Azure Storage account | Create an Azure Storage account with the correct options for your business needs. |
| Publish a web app to Azure with Visual Studio | Use the publishing features of Visual Studio 2017 to deploy and manage an ASP.NET Core web application hosted on Azure. |
| Store application data with Azure Blob storage | Build an app that stores user files with Azure Blob storage. |





Developer BEGINNER

The systems and tech you need at work

Description

| Course | Description |
|--|--|
| Create serverless logic with Azure Functions | Azure Functions allows developers to host business logic that can be executed without managing or provisioning infrastructure. |
| Enable reliable messaging for Big Data applications using Azure Event Hubs | Connect sending and receiving applications with Event Hubs so you can handle extremely high loads without losing data. |
| Manage resources in Azure | Learn how to work with the Azure command line and web portal to create, manage, and control cloud based resources. |
| Choose a messaging model in Azure to loosely connect your services | Azure provides several technologies that you can use to communicate more reliably event when you have an application that consists of components running on different computers, servers and devices . |
| Deploy a website to Azure with Azure App Service | Web apps in Azure allow you to publish and manage your website easily without having to work with the underlying servers, storage, or network assets. |
| Process images with the Computer Vision service | Use the Computer Vision API to analyze images for insights, extract text from images, and generate high-quality thumbnails. |
| Create a Windows virtual machine in Azure | Azure virtual machines (VMs) enable you to create dedicated compute resources in minutes that can be used just like a physical desktop or server machine. |
| Automate Azure tasks using scripts with PowerShell | Install Azure PowerShell locally and use it to manage Azure resources. |











Developer Intermediate

Find, curate, and create digital resources

Take a deeper dive into the technologies that can take your learning further job – these can be accessed on devices such as your PC, tablet, laptop, mobile or other presentation boards and equipment.

| Course | Description |
|--|---|
| The Mojifier - Create a Slack bot that replaces people's faces with emojis | Learn how to get images, calculate emotion, match emotions to emojis, and replace faces with emoji. |
| Caching and performance in Azure storage disks | Moving data fast is good for business. Learn about disk performance in Azure, how caching can help optimize read and write access to storage, and how to enable caching to help optimize the performance of Azure VM disks. |
| Secure your cloud data | Azure was designed for security and compliance. Learn how to leverage the built-in services to store your app data securely to ensure that only authorized services and clients have access to it. |
| Create serverless applications | Azure Functions enable the creation of event driven, compute-on-demand systems that can be triggered by various external events. Learn how to leverage functions to execute server-side logic and build serverless architectures. |
| Work with relational data in Azure | Azure supports several popular SQL-based database solutions including SQL Server, PostgreSQL, and MySQL. Learn how to use these enterprise data solutions in Azure to store and retrieve your app's data in the cloud |
| Configure the network for your virtual machines | Learn how to configure networking in a secure way for your Azure virtual machines. |
| Implement message-based communication workflows with Azure Service Bus | Write C# code in a custom application that sends and receives messages using Azure Service Bus topics and queues. |
| Secure your Azure virtual machine disks | Use Azure Disk Encryption (ADE) to encrypt OS and data disks on existing and new VMs. |







Find, curate, and create digital resources

Take a deeper dive into the technologies that can take your learning further job – these can be accessed on devices such as your PC, tablet, laptop, mobile or other presentation boards and equipment.

| Course | Description |
|--|---|
| Top 5 security items to consider before pushing to production | Secure your web applications on Azure and protect your apps against the most common and dangerous web application attacks. |
| Add and size disks in Azure virtual machines | Understand and create the different types of disk storage available to Azure virtual machines (VMs) |
| Share your location as a text message using Azure Functions and Twilio | Learn how to use location tracking on your phone mixed with Azure functions and Twilio to share your location with your friends as a text message. |
| Discover sentiment in text with the Text Analytics API | Learn what your customers are really saying about your product or brand when they send feedback. We'll create a solution that uses Azure Functions and the intelligence of the Text Analytics API to discover sentiment in text messages. |
| Distribute your data globally with Azure Cosmos DB | Learn how to distribute your data globally with Azure Cosmos DB. |
| Interactive deep learning with Jupyter, Docker and PyTorch on the Data Science Virtual Machine | Learn to train deep learning models with Jupyter, PyTorch and the Data Science Virtual Machine. |
| Communicate between applications with Azure Queue storage | Implement the publish-subscribe pattern in the cloud using Azure Queue storage. |











Find, curate, and create digital resources

Take a deeper dive into the technologies that can take your learning further job – these can be accessed on devices such as your PC, tablet, laptop, mobile or other presentation boards and equipment.

| Course | Description |
|--|---|
| Connect your services together | Azure includes various communication strategies to let application components pass data to each other. Learn how to leverage these communication services to create scalable, efficient solutions out of testable components. |
| Work with mutable and partial data in Azure Cache for Redis | Use Azure Cache for Redis to store frequently accessed data. Learn how to create transactions, manage memory, and use the cache-aside pattern. |



Developer () CERTIFIED

Continuous learning and reflection

Take your learning one step further by becoming Microsoft Certified as a <u>Azure Developer Associate</u>. Microsoft Azure is the cloud for modern business. Expand your Azure development skills to meet future business needs with this certifications. Follow the learning path below and get certified today!

