CLOUD ANALYST
ENTRY LEVEL

Tech is
Moving to the
Cloud, Move
With It.

What is Cloud Computing?

Cloud Computing is technology that provides access to various computing resources over the internet. All you need to do is use your computer or mobile device to connect to your cloud service provider through the internet. Once connected, you get access to computing resources, which may include serverless computing, virtual machines, storage, and more.

Basically, cloud service providers have massive data centers that contain hundreds of servers, storage systems and components that are crucial for many organizations. These data centers are in secure locations and store a large amount of data. The users connect to these data centers to collect data or use it when required. Users can take advantage of various services; for example, if you want a notification every time someone sends you a text or an email, cloud services can help you. The best part about cloud platforms is that you pay only for the services you use, and there are no charges upfront.

Cloud computing can be used for various purposes: machine learning, data analysis, storage and backup, streaming media content and so much more. Here's an interesting fact about the cloud: all the shows and movies that you see on Netflix are stored in the cloud. Also, the cloud can be beneficial

What is Microsoft Azure?

Microsoft Azure is a growing collection of integrated cloud services—analytics, computing, database, mobile, networking, storage, and web—for moving faster, achieving more, and saving money. Designed so that any developer or IT professional can be productive with Azure, it includes integrated tools, templates and managed services to effectively build and manage enterprise, mobile, Web and Internet of Things (IoT) apps, using skills you already have and technologies you already know.

Our Azure training allows you to:

- Use an open and flexible platform that supports the broadest selection of operating systems, programming languages, frameworks, tools, databases and devices
- Extend your existing IT through the largest network of secure private connections, hybrid database and storage solutions
- Protect your data with the first major cloud provider to adopt the new international cloud privacy standard, ISO 27018
- Run your apps anywhere on a worldwide network of Microsoft-managed datacenters across 22 regions
- Make smarter decisions using Azure's predictive analytics services, including Machine Learning, Cortana Analytics and Stream Analytics
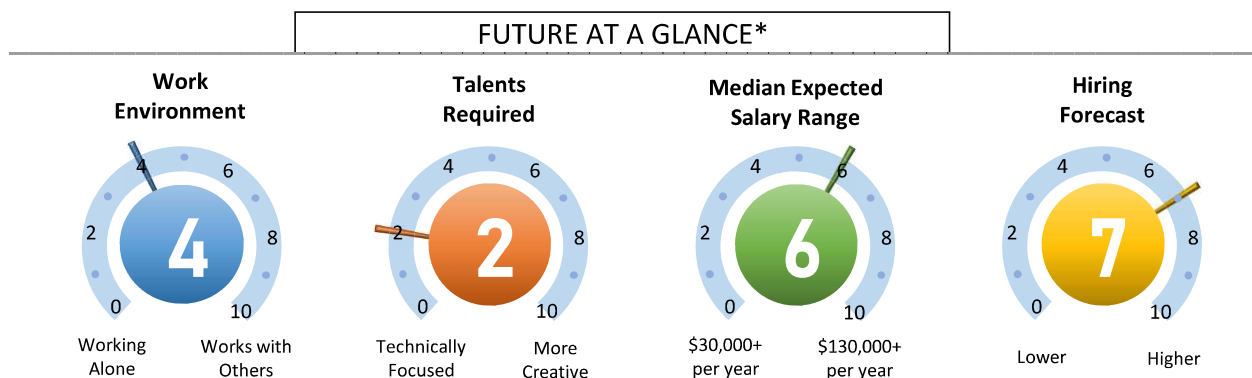
Cloud Analyst - Entry-Level

Microsoft cloud services lead the market in IT. Cloud Computing is the wave of the future and you can be a part of it by taking the Microsoft AZURE Fundamentals course. The technology is changing daily, but this course will give you the foundation needed to learn about cloud services and Microsoft AZURE. You'll understand cloud computing concepts, core services, security, compliance and support models. This basic introduction will set you up to continue your journey as a network administrator or system architect.

What will you do with it? With this technology, you will administer networks, perform backups, diagnose and troubleshoot issues and more. This is an introductory course to Microsoft AZURE to teach the basics of cloud computing. After taking the course, you can enjoy the increased knowledge in your current position or move forward to advanced cloud computing courses based in Microsoft AZURE.

Personal Skills Needed

- Critical Thinking
- Judgment and Decision Making
- Reading Comprehension
- Systems Analysis
- Active Listening
- Problem Solving
- Information Ordering

Does this job fit <u>you</u>?

FUTURE AT A GLANCE*

Work Environment	Talents Required	Median Expected Salary Range	Hiring Forecast
4	2	6	7
Working Alone — Works with Others	Technically Focused — More Creative	$30,000+ per year — $130,000+ per year	Lower — Higher

* According to the U.S. Department of Labor. A proud partner of the americanjobcenter network.

Your New Understanding and Skills Include:

- Database management
- Moving from on-premises networking to cloud-based administration
- Development of environmental software
- Network monitoring

Other Career Paths Available but Not Limited to:

- Entry-Level Azure Admin
- Entry-Level Azure Developer
- Entry-Level Azure Dev-Ops Engineer
- Information Analyst
- LAN Specialist
- Network Administrator

Program Includes:

- 16 hours of live Microsoft Azure Fundamentals Certification Training (with free re-take option)
- Preparatory Materials for the Certification Exams (1)
- Practice Exams for the Certification Exams (1)
- Certification Exams: *MCP AZ-900*
- 40 Hours of Bonus Material, such as AZURE:

DEVELOPER	FUNDAMENTALS	ARCHITECTING SOLUTIONS
ADMINISTRATOR	WEBSERVICES	APP SERVICES

Successful Completion of this Program Includes:

- Learning the skills needed to have a foundational level knowledge on cloud concepts for your next career path
- Earning the MCP Azure Fundamentals Certification Designation
- Learning a multitude of interpersonal, professional, and cloud computing skills to help you become successful in your new career!
- (Program includes access to over 4,100 self-paced certified On-Line Anytime (OLA) Courses and Modules to assist you even after you are employed in your new career.)

Program Format: Online, in person and self-study
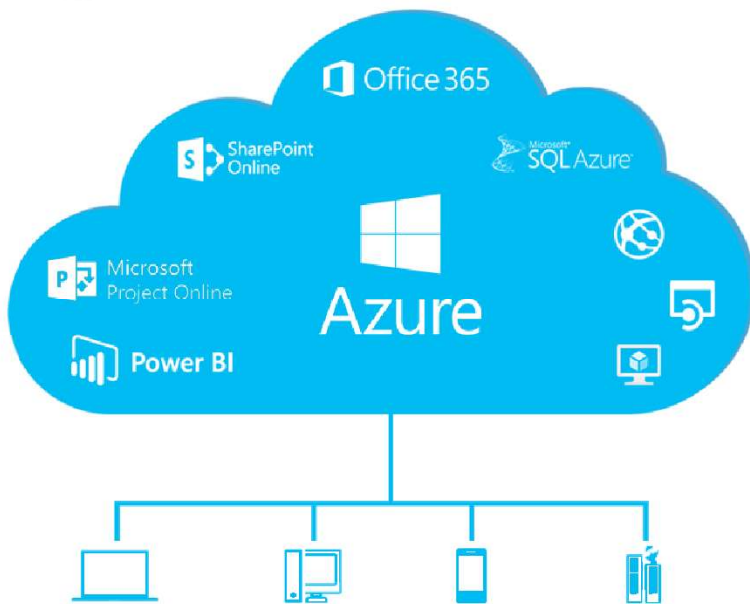
Time: 4 Weeks
Cost: $3,765

Classes and materials provided by New Horizons of Wisconsin, the state's largest technology and business skills training organization. All classes are certified and/or authorized by the developer.

This program is approved by the Wisconsin Department of Workforce Development and is listed on the Eligible Training Provider List (ETPL) Portal.

Let's Talk About Azure...

Why Use Azure?

Now that you know more about Azure and the services it provides, you might be interested in exploring the various uses of Azure.

- Application development: You can create any web application in Azure.

- Testing: After developing an application successfully on the platform, you can test it.

- Application hosting: Once the testing is done, Azure can help you host the application.

- Create virtual machines: You can create virtual machines in any configuration you want with the help of Azure.

- Integrate and sync features: Azure lets you integrate and sync virtual devices and directories.

- Collect and store metrics: Azure lets you collect and store metrics, which can help you find what works.

- Virtual hard drives: These are extensions of the virtual machines; they provide a huge amount of data storage.

What Can Microsoft Azure Actually DO?

Microsoft sorts Azure into 24 categories, including:

Compute: Deploy and manage VMs, containers and batch jobs, as well as support remote application access:

Mobile: Build cloud applications for mobile devices, and the ability to couple geospatial context with data.

Web: Offer features for search, content delivery, API management, notification and reporting.

Storage: Provide scalable cloud storage for structured and unstructured data

Analytics: Distribute analytics and storage, as well as features for real-time analytics & big data analytics

Networking: Service traffic management hosting and network protection

Media and content delivery network (CDN): On-demand streaming, protection, encoding and indexing.

Integration: Manage server backup, site recovery and connecting private and public clouds.

Identity: Ensure only authorized users can access Azure services

Internet of things: Capture, monitor and analyze IoT data from sensors and other devices:

DevOps: Use project and collaboration tools, that facilitate DevOps software development processes.

Development: Developers share code, test applications and track potential issues..

Security: Learn capabilty to identify and respond to cloud security threats, and other sensitive assets.

Artificial intelligence (AI) and machine learning: infuse cognitive computing capabilities into apps.

Databases: Manage Database as a Service (DBaaS) offerings for SQL and NoSQL, as well as other database instances -- such Azure SQL

Migration: Perform the actual migration of workloads from local data centers to the Azure cloud.

Management and governance: Help a cloud administrator manage an Azure deployment.

Mixed Reality: Designed to help developers create content for the Windows MR environment.

Blockchain: The Azure Service allows you to join a blockchain consortium or create your own.

And MUCH MORE!

AZ-900T01 Microsoft Azure Fundamentals

COURSE OBJECTIVES

- Understand general cloud computing concepts
- Understand core services available with Microsoft Azure
- Understand security, privacy, compliance & trust with Microsoft Azure
- Understand pricing and support models available with Microsoft

COURSE OUTLINE

1 - CLOUD CONCEPTS

- Learning Objectives
- Why Cloud Services?
- Infrastructure-as-a-Service (IaaS), Platform-as-a-Service (PaaS) and Software-as-a-Service (SaaS)
- Public, Private, and Hybrid cloud models

2 - CORE AZURE SERVICES

- Core Azure architectural components
- Core Azure Services and Products
- Azure Solutions
- Azure management tools

3 - SECURITY, PRIVACY, COMPLIANCE AND TRUST

- Securing network connectivity in Azure
- Core Azure Identity services
- Security tools and features
- Azure governance methodologies
- Monitoring and Reporting in Azure
- Privacy, Compliance and Data Protection standards in Azure

4 - AZURE PRICING AND SUPPORT

- Azure subscriptions
- Planning and managing costs
- Support options available with Azure
- Service lifecycle in Azure

New Horizons®
Learn What Earns

Cloud Analyst Career Skills Program

This portion of your job skills program focuses on helping your personal improvement, which will help you succeed in the future. Here you will gain skills such as AZURE:

DEVELOPER	FUNDAMENTALS	ARCHITECTING SOLUTIONS
ADMINISTRATOR	WEBSERVICES	APP SERVICES

Asset Type	Title	Required/ Optional	Code	Estimated Duration (mins)
Course	Microsoft Azure: Introduction	Required	cl_msaz_a01_it_enus	127 Minutes
Course	Microsoft Azure: Networks and Storage	Required	cl_msaz_a02_it_enus	158 Minutes
Course	Azure Fundamentals: Azure Data Privacy	Required	it_clazfd_09_enus	41 Minutes
Course	Azure Fundamentals: Azure Network Security	Required	it_clazfd_10_enus	62 Minutes
Course	Azure Fundamentals: Azure Security Services	Required	it_clazfd_11_enus	57 Minutes
Course	Azure Fundamentals: Big Data Analytics	Required	it_clazfd_07_enus	43 Minutes
Course	Azure Fundamentals: Cloud Computing	Required	it_clazfd_01_enus	57 Minutes
Course	Azure Fundamentals: Database Solutions	Required	it_clazfd_06_enus	54 Minutes
Course	Azure Fundamentals: IoT & AI	Required	it_clazfd_08_enus	34 Minutes
Course	Azure Fundamentals: Monitoring the Azure Environment	Required	it_clazfd_12_enus	44 Minutes
Course	Azure Fundamentals: Network Components	Required	it_clazfd_04_enus	64 Minutes
Course	Azure Fundamentals: Storage Components	Required	it_clazfd_03_enus	65 Minutes
Course	Azure Fundamentals: The Ecosystem	Required	it_clazfd_02_enus	65 Minutes
Course	Azure Fundamentals: Virtual Machines	Required	it_clazfd_05_enus	75 Minutes
Course	Azure Active Directory and Authentication	Required	cl_imas_a04_it_enus	105 Minutes
Course	Azure Active Directory and Collaboration	Required	cl_dmaz_a12_it_enus	117 Minutes
Course	Azure App Services	Required	cl_imas_a06_it_enus	79 Minutes
Course	Azure Backup and Recovery	Required	cl_imas_a09_it_enus	40 Minutes
Course	Azure Developer: Advanced Scalability Using Azure	Required	it_clmadc_20_enus	43 Minutes
Course	Azure Developer: Advanced Security & Integration Using Azure Services	Required	it_clmadc_21_enus	46 Minutes
Course	Azure Developer: Azure Batch & Scheduling Bulk Operations	Required	it_clmadc_15_enus	44 Minutes
Course	Azure Developer: Azure Cloud Technology Solutions	Required	it_clmadc_01_enus	78 Minutes
Course	Azure Developer: Blob Storage Solutions	Required	it_clmadc_08_enus	49 Minutes
Course	Azure Developer: Caching & Content Delivery Solutions	Required	it_clmadc_09_enus	32 Minutes
Course	Azure Developer: Common Application Design & Connectivity Patterns	Required	it_clmadc_02_enus	59 Minutes
Course	Azure Developer: Cosmos DB Storage Solutions	Required	it_clmadc_05_enus	67 Minutes
Course	Azure Developer: Creating Mobile Apps	Required	it_clmadc_11_enus	58 Minutes
Course	Azure Developer: File Storage Solutions	Required	it_clmadc_06_enus	34 Minutes
Course	Azure Developer: Implementing Authentication & Access Control	Required	it_clmadc_18_enus	58 Minutes
Course	Azure Developer: Implementing Secure Data Solutions	Required	it_clmadc_19_enus	31 Minutes
Course	Azure Developer: Kubernetes Service Solutions	Required	it_clmadc_16_enus	42 Minutes
Course	Azure Developer: Media Services Solutions	Required	it_clmadc_17_enus	26 Minutes
Course	Azure Developer: PaaS Web Applications	Required	it_clmadc_10_enus	58 Minutes
Course	Azure Developer: Relational Database Solutions	Required	it_clmadc_07_enus	58 Minutes
Course	Azure Developer: Storage Solutions	Required	it_clmadc_03_enus	64 Minutes
Course	Azure Developer: Storage Tables	Required	it_clmadc_04_enus	52 Minutes
Course	Azure Developer: Working With Azure Functions	Required	it_clmadc_14_enus	37 Minutes
Course	Azure Developer: Working with Azure Logic Apps	Required	it_clmadc_12_enus	44 Minutes
Course	Azure Developer: Working with Azure Service Fabric	Required	it_clmadc_13_enus	59 Minutes
Course	Architecting Microsoft Azure Solutions: Application Design and Messaging	Optional	it_clarma_15_enus	23 Minutes
Course	Architecting Microsoft Azure Solutions: Automation with PowerShell, Chef, and Puppet	Optional	it_clarma_10_enus	26 Minutes
Course	Architecting Microsoft Azure Solutions: Azure External Network Connectivity Design	Optional	it_clarma_03_enus	49 Minutes
Course	Architecting Microsoft Azure Solutions: Azure Storage Design	Optional	it_clarma_04_enus	75 Minutes
Course	Architecting Microsoft Azure Solutions: Compute Design Considerations	Optional	it_clarma_01_enus	82 Minutes
Course	Architecting Microsoft Azure Solutions: Data Services Design	Optional	it_clarma_09_enus	40 Minutes
Course	Architecting Microsoft Azure Solutions: Implement Azure Automation	Optional	it_clarma_11_enus	46 Minutes
Course	Architecting Microsoft Azure Solutions: Managing Identities	Optional	it_clarma_05_enus	64 Minutes
Course	Architecting Microsoft Azure Solutions: Monitoring Resources	Optional	it_clarma_14_enus	43 Minutes
Course	Architecting Microsoft Azure Solutions: Network Design	Optional	it_clarma_02_enus	80 Minutes
Course	Architecting Microsoft Azure Solutions: Plan Azure SQL-Compliant Database Usage	Optional	it_clarma_07_enus	51 Minutes
Course	Architecting Microsoft Azure Solutions: Planning Artificial Intelligence Services	Optional	it_clarma_16_enus	33 Minutes
Course	Architecting Microsoft Azure Solutions: Planning Azure NoSQL Deployments	Optional	it_clarma_08_enus	56 Minutes
Course	Architecting Microsoft Azure Solutions: Securing the Azure Environment	Optional	it_clarma_06_enus	54 Minutes
Course	Architecting Microsoft Azure Solutions: Template and Runbook Automation	Optional	it_clarma_12_enus	43 Minutes
Course	Architecting Microsoft Azure Solutions: Web Application Design	Optional	it_clarma_13_enus	54 Minutes
Course	AZ-103 - Microsoft Azure Administrator: Azure Active Directory	Optional	it_clazaa_16_enus	37 Minutes
Course	AZ-103 - Microsoft Azure Administrator: Azure AD Objects	Optional	it_clazaa_17_enus	28 Minutes
Course	AZ-103 - Microsoft Azure Administrator: Azure Backup and Recovery	Optional	it_clazaa_09_enus	40 Minutes
Course	AZ-103 - Microsoft Azure Administrator: Azure Hybrid Identities	Optional	it_clazaa_18_enus	45 Minutes
Course	AZ-103 - Microsoft Azure Administrator: Azure Import/Export	Optional	it_clazaa_05_enus	43 Minutes
Course	AZ-103 - Microsoft Azure Administrator: Azure Load Balancer	Optional	it_clazaa_15_enus	50 Minutes
Course	AZ-103 - Microsoft Azure Administrator: Azure Monitoring	Optional	it_clazaa_03_enus	42 Minutes
Course	AZ-103 - Microsoft Azure Administrator: Azure Multi-Factor Authentication	Optional	it_clazaa_19_enus	27 Minutes
Course	AZ-103 - Microsoft Azure Administrator: Azure Name Resolution & Network Security	Optional	it_clazaa_14_enus	40 Minutes
Course	AZ-103 - Microsoft Azure Administrator: Azure Network Monitoring	Optional	it_clazaa_12_enus	36 Minutes
Course	AZ-103 - Microsoft Azure Administrator: Azure Policies	Optional	it_clazaa_20_enus	37 Minutes
Course	AZ-103 - Microsoft Azure Administrator: Azure Resource Groups	Optional	it_clazaa_02_enus	63 Minutes
Course	AZ-103 - Microsoft Azure Administrator: Azure Storage Accounts	Optional	it_clazaa_04_enus	76 Minutes
Course	AZ-103 - Microsoft Azure Administrator: Azure Virtual Machine Templates	Optional	it_clazaa_08_enus	42 Minutes
Course	AZ-103 - Microsoft Azure Administrator: Azure Virtual Machines (VMs)	Optional	it_clazaa_06_enus	66 Minutes
Course	AZ-103 - Microsoft Azure Administrator: Azure Virtual Network Connectivity	Optional	it_clazaa_11_enus	44 Minutes
Course	AZ-103 - Microsoft Azure Administrator: Azure Virtual Networks	Optional	it_clazaa_10_enus	47 Minutes
Course	AZ-103 - Microsoft Azure Administrator: Integrating Azure On-Premise & Virtual Networks	Optional	it_clazaa_13_enus	34 Minutes
Course	AZ-103 - Microsoft Azure Administrator: Managing Azure Virtual Machines	Optional	it_clazaa_07_enus	29 Minutes
Course	Developing Azure & Web Services: WCF Transactions & Services	Optional	it_wddmaw_21_enus	28 Minutes
Course	Developing Azure and Web Services: API Management and Monitoring	Optional	it_wddmaw_14_enus	38 Minutes
Course	Developing Azure and Web Services: Advanced Deployment	Optional	it_wddmaw_11_enus	78 Minutes
Course	Developing Azure and Web Services: Azure Scalability	Optional	it_wddmaw_13_enus	71 Minutes
Course	Developing Azure and Web Services: Azure Services	Optional	it_wddmaw_08_enus	65 Minutes
Course	Developing Azure and Web Services: Azure Storage	Optional	it_wddmaw_09_enus	77 Minutes
Course	Developing Azure and Web Services: Configuring Web Applications for Deployment	Optional	it_wddmaw_16_enus	44 Minutes
Course	Developing Azure and Web Services: Consuming Services	Optional	it_wddmaw_04_enus	71 Minutes
Course	Developing Azure and Web Services: Deployment Strategy	Optional	it_wddmaw_15_enus	46 Minutes
Course	Developing Azure and Web Services: Diagnostics, Debugging, and ACS	Optional	it_wddmaw_12_enus	66 Minutes
Course	Developing Azure and Web Services: Entity Framework	Optional	it_wddmaw_02_enus	118 Minutes
Course	Developing Azure and Web Services: Hosting Web APIs	Optional	it_wddmaw_19_enus	51 Minutes
Course	Developing Azure and Web Services: IIS & Web Services	Optional	it_wddmaw_03_enus	69 Minutes
Course	Developing Azure and Web Services: Introduction	Optional	it_wddmaw_01_enus	67 Minutes
Course	Developing Azure and Web Services: Managing Data	Optional	it_wddmaw_20_enus	62 Minutes
Course	Developing Azure and Web Services: Messaging, Security, and Troubleshooting	Optional	it_wddmaw_10_enus	62 Minutes
Course	Developing Azure and Web Services: Web API Services	Optional	it_wddmaw_18_enus	60 Minutes
Course	Developing Azure and Web Services: Working with Assemblies	Optional	it_wddmaw_17_enus	19 Minutes

Your New Career Starts Today!

New Horizons®
Learn What Earns