

Cloud Basics Learning Pathway

Azure Cloud Fundamentals

This is your foray into cloud computing. Take the relevant entry level certification exam!



Networking

Whether your workloads are on-prem or in the cloud, networking provides connectivity, security, and visibility!



Programming Essentials

Coding skills will only further your ability to work in cloud whether it be DevOps, Security, or Administration.



DevOps Fundamentals

DevOps is a set of practices that combines software development and IT Operations shortening SDLC and providing CI/CD.



Security Essentials

Learn the policies, technologies, applications, and controls used to protect virtualized IP, apps, services, and infrastructure.



Linux Essentials

The Cloud is essentially tons of Linux servers networked together. Learning Linux is essential to mastering cloud!



Bash Scripting

The skills you learn here will allow you to start writing your own scripts to solve real-world problems, and automate repetitive tasks



Version Control

Version control is important for tracking changes to documents, code, and infrastructure, and identifying when key decisions were made.



Database Fundamentals

Understanding different database types, how they work, and what they enable is a critical skill set for cloud professionals.



Basics of Containers

Key for cloud computing, containers are packages of software that contain all the necessary elements to run in any environment.

How to Skill Up in Azure Cloud Fundamentals

★ Premium Courses

[A Cloud Guru - AZ-900 Azure Fundamentals](#)

[Udemy - Scott Duffy - AZ-900](#)

[Cloud Academy - AZ-900 Exam Preparation - Microsoft Azure Fundamentals](#)

★ Free Courses

[John Savill - AZ-900 Study Cram \(Free\)](#)

★ Vendor Online Courses

[Microsoft Learn - Azure Fundamentals - Describe Cloud Concepts](#)

[Microsoft Learn - Azure Fundamentals - Describe Azure Architecture and Services](#)

[Microsoft Learn - Azure Fundamentals - Describe Azure Management and Governance](#)

1

Take one of the
above courses

2

Take additional
courses if needed

3

Estimated time of
completion is 2
weeks

Register for Azure Cloud
Fundamentals Exam at:



[Microsoft Azure - AZ-900 Exam](#)



How to Skill Up in Linux Essentials

★ Premium Courses

[A Cloud Guru - LPI Linux Essentials Certification](#)

[Pluralsight - LPI Linux Essentials - 010-160](#)

[Udemy - Jason Dion - LPI Linux Essentials Course and Exams](#)

★ Free Courses

[YouTube - Shawn Powers - LPI Linux Essentials Playlist](#)

★ Vendor Online Courses

[Official LPI Learning Material - PDF \(Free\)](#)

1

Take one of the
above courses

2

Take additional
courses if needed

3

Estimated time of
completion is 2-3
weeks

Exam not required but if
you want to register for it,
go to this link:



[LPI - Linux Essentials Exam](#)



How to Skill Up in Networking Essentials

★ Premium Courses

[Pluralsight - Network Fundamentals Learning Path](#)

[A Cloud Guru - Networking Foundations](#)

[A Cloud Guru - Subnetting Fundamentals](#)

[INE - Network+](#)

[Cloud Academy - Networking Fundamentals Pathway](#)

★ Free Courses

[Adrian Cantrill - YouTube - Networking Fundamentals Playlist \(Free\)](#)

[Network Direction - YouTube - Network Fundamentals Playlist \(Free\)](#)

1

Take one of the
above courses

2

Take additional
courses if needed

3

Estimated time of
completion is 1
month

There is no exam required for this milestone. However, if you want to dive deeper into networking, BBAG recommends looking into the [CompTIA Network+ Exam](#)



How to Skill Up in Bash Scripting

★ Premium Courses

[Pluralsight - Shell Scripting with Bash and Z Shell Learning Path](#)

[A Cloud Guru - SysAdmin's Guide to Bash Scripting](#)

[Cloud Academy - Bash Scripting and Shell Programming Learning Path](#)

[ZeroToMastery - Learn Shell Scripting](#)

★ Free Courses

[NetworkChuck - you need to learn BASH Scripting RIGHT NOW!! // EP 1 \(Free\)](#)

[Caleb Curry - YouTube - Bash Programming Complete Series \(Free\)](#)

1

Take one of the
above courses

2

Take additional
courses if needed

3

Estimated time of
completion is 1
month

There is no exam required for this milestone.



How to Skill Up in Programming Essentials

★ Premium Courses

[Pluralsight - Practical Python for Beginners](#)

[Pluralsight - C# Fundamentals](#)

[A Cloud Guru - Introduction to Python Scripting](#)

[A Cloud Guru - Azure PowerShell Essentials - Taught by BBAG!](#)

[Cloud Academy - A Practical Introduction to C# Programming](#)

★ Free Courses

[TutorialsEU - YouTube - C# Full Course - Learn C# 10 and .NET 6 in 7 hours \(Free\)](#)

[Clever Programming - YouTube - Python Tutorial for Beginners \(Free\) - Full Course in 12 Hours \(2022\)](#)

1

Take one of the
above courses

2

Take additional
courses if needed

3

Estimated time of
completion is 1
month

Recommended languages are Python, .NET, and PowerShell for Azure. There is no exam required for this milestone.



How to Skill Up in Version Control

★ Premium Courses

[Pluralsight - Managing Source Code with Git Learning Path](#)
[A Cloud Guru - Source Control with Git](#)

★ Free Courses

[freeCodeCamp - YouTube \(Free\) - Git and GitHub for Beginners - Crash Course](#)
[Kevin Stratvert - YouTube \(Free\) - Git and GitHub for Beginners Tutorial](#)
[ZeroToMastery - YouTube \(Free\) - Git and Github Tutorial | Learn Git & Github from Andrei Neagoie](#)
[Brendan Dickinson - YouTube \(Free\) - What is Version Control and why you should ALWAYS use it | 2022](#)

1

Take one of the
above courses

2

Take additional
courses if needed

3

Estimated time of
completion is 2
weeks

There is no exam required for this milestone.



How to Skill Up in DevOps Fundamentals

★ Premium Courses

[Pluralsight - DevOps Foundations - Core Concepts & Fundamentals](#)

[A Cloud Guru - DevOps Essentials](#)

[Cloud Academy - DevOps Fundamentals Learning Path](#)

★ Free Courses

[John Savill - YouTube \(Free\) - DevOps Master Class - Part 1 - Foundation](#)

[John Savill - YouTube \(Free\) - DevOps Master Class - Part 2 - Master Git!](#)

1

Take one of the
above courses

2

Take additional
courses if needed

3

Estimated time of
completion is 2
weeks

There is no exam required for this milestone.



How to Skill Up in Database Fundamentals

★ Premium Courses

[A Cloud Guru - Database Essentials](#)

[Pluralsight - Introduction to SQL](#)

[Pluralsight - NoSQL - The Big Picture](#)

★ Free Courses

[freeCodeCamp - YouTube \(Free\) - SQL Tutorial - Full Database Course for Beginners](#)

[CBTNuggets - YouTube \(Free\) - Intro to Databases Playlist](#)

[Microsoft Virtual Academy - YouTube \(Free\) - Database Fundamentals - Introduction to Core Database Concepts \(1 of 2\)](#)

[Microsoft Virtual Academy - YouTube \(Free\) - Database Fundamentals - Relational Concepts \(2 of 2\)](#)

1

Take one of the
above courses

2

Take additional
courses if needed

3

Estimated time of
completion is 2
weeks

There is no exam required for this milestone.



How to Skill Up in Security Essentials

★ Premium Courses

[A Cloud Guru - CompTIA Security+ Certification Prep](#)

[Pluralsight - CompTIA Security+ Learning Path](#)

★ Free Courses

[Professor Messer \(Free\) - SY0-601 CompTIA Security+ Course \(Highly Recommended\)](#)

[NetworkChuck - FREE CompTIA Security+ Course Playlist \(Highly Recommended\)](#)

1

Take one of the
above courses

2

Take additional
courses if needed

3

Estimated time of
completion is 1-2
months

The CompTIA Security+ Exam is not a requirement for this milestone but if you wish to take it, register here: [CompTIA Security+ Exam](#)



How to Skill Up in Basics of Containers

★ Premium Courses

[Pluralsight - Docker & Kubernetes - The Big Picture](#)

[A Cloud Guru - Essential Container Concepts](#)

[Cloud Academy - Introduction to Kubernetes](#)

★ Free Courses

[NetworkChuck - YouTube \(Free\) - Docker Containers 101](#)

[KodeKloud - YouTube \(Free\) - Kubernetes for Beginners -](#)

[Docker Introduction in 15 Minutes](#)

[freeCodeCamp - YouTube \(Free\) - Docker Containers and
Kubernetes Fundamentals – Full Hands-On Course](#)

1

Take one of the
above courses

2

Take additional
courses if needed

3

Estimated time of
completion is 2
weeks

There is no exam required for this milestone.