

Cloud Computing

1. OVERVIEW

Introduction:

Cloud computing has become a foundational technology for modern IT infrastructure and software delivery. According to recent guides, a structured roadmap helps learners move from fundamentals through platform proficiency to advanced topics and cloud-engineering roles.

In this document, we outline key stages of learning, recommended skills, certifications, and videos to guide your path.



Foundations

What to learn:

- Basic IT & computer science fundamentals: operating systems, networking, databases, basic programming
- Understanding what “cloud computing” means: service models (IaaS, PaaS, SaaS), deployment models (public, private, hybrid).
- Basic Linux/command line, version control (Git).

2. REFERENCES / LEARNING RESOURCES

▶ Beginner's Guide: Practical Cloud Computing Roadmap

Playlist:

🔗 https://www.youtube.com/playlist?list=PLEiEAq2VkUUIJ3o1tehvtux0_Ynf42CBN

Advanced Topics & Certifications:-

What to learn:

Multi-cloud and hybrid-cloud strategies. Edge computing, federated cloud/edge architectures.

Big Data & analytics services, AI/ML integration with cloud. 🔗 [DataCamp](#)

Certifications such as AWS Solutions Architect, Azure Administrator/Architect, GCP Associate Cloud Engineer.

▶ Cloud Engineer Roadmap | From Beginner to Advanced

3. TIPS FOR SUCCESS

- Hands-on experience is critical: use free tiers, build your own projects.
- Document your journey (blog, GitHub) to showcase your skills.
- Join cloud communities (Reddit, LinkedIn groups) to stay updated.
- Continuously update your knowledge, cloud evolves fast.
- Choose one platform first, then expand to others.

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