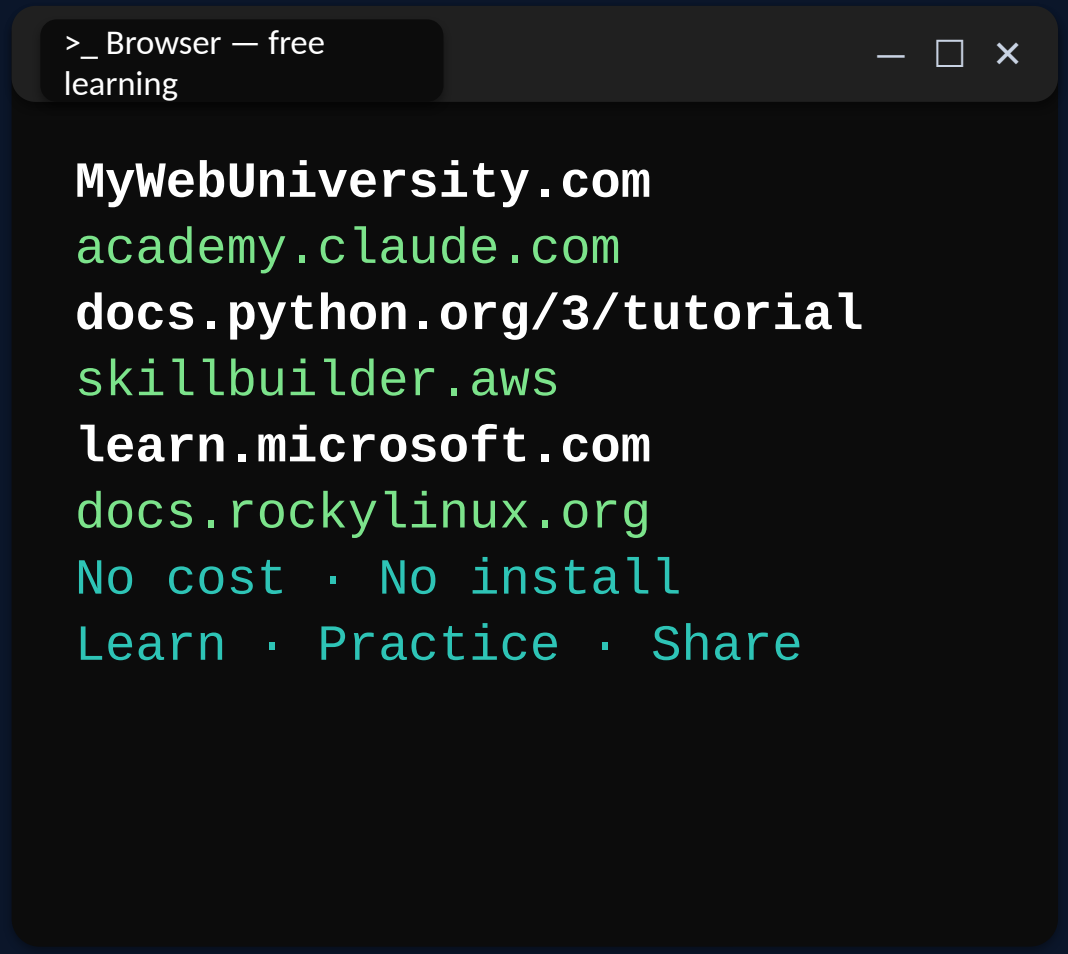


LESSON 10 OF 12

Free Learning Websites

Linux · Python · AI · Cloud · Security · Claude

AWS & Cloud: AWS Skill Builder, Google Skills & Microsoft Learn for Azure

Full Course · Free learning sites · checked Nov 2026

What You Will Learn in Lesson 10

- Cloud basics: IaaS, PaaS, SaaS
- AWS Skill Builder: 1,000+ free resources
- Google Skills: free courses and monthly credits
- Microsoft Learn: free Azure learning paths
- MyWebUniversity cloud chapters
- Avoid surprise bills: budgets and cleanup
- A free cloud path

Cloud Basics

Model	You manage	Examples
IaaS	OS, apps, data (provider runs hardware)	AWS EC2, Azure VMs, Google Compute Engine
PaaS	Your app and data	AWS Elastic Beanstalk, Azure App Service, Cloud Run
SaaS	Just your use and data	Microsoft 365, Gmail, Claude
Serverless	Only functions/code	AWS Lambda, Azure Functions
Linux skills	Most cloud servers run Linux	Rocky, RHEL, Ubuntu images

AWS Skill Builder: skillbuilder.aws

Feature	Details
Free	1,000+ free courses and resources, self-paced
Start with	AWS Cloud Practitioner Essentials
Topics	Compute, storage, networking, security, databases, generative AI
Microcredentials	Free hands-on skill validations
Subscription	Optional paid tier adds more labs and practice exams
Also free	AWS documentation and the AWS Free Tier for practice

Google Skills (formerly Cloud Skills Boost)

Feature	Details
Site	skills.google
Free courses	Google Cloud fundamentals, data, security, AI
Generative AI	Free Introduction to Generative AI
Credits	35 free credits each month for developers — for hands-on labs
Labs	Real Google Cloud consoles — temporary accounts, no card
Badges	Skill badges you can share

Microsoft Learn for Azure: learn.microsoft.com

Feature	Details
Free	Learning paths and modules, all free
Start with	Azure Fundamentals (AZ-900) learning path
Sandboxes	Free temporary Azure sandbox in many modules
Paths	Administrator, developer, DevOps, AI, data
Practice	Free practice assessments for certifications
Docs	Full Azure documentation and Azure CLI reference

Practice: Cloud CLIs on Linux

```
# AWS CLI (official installer)
$ curl "https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip" -o awscliv2.zip
$ unzip awscliv2.zip && sudo ./aws/install && aws --version
$ aws configure                          # access key, region, output
$ aws s3 ls                              # list your buckets
# Azure CLI (Ubuntu/Debian)
$ curl -sL https://aka.ms/InstallAzureCLIDeb | sudo bash
$ az login && az account show
# Google Cloud: use Cloud Shell in the browser — nothing to install
$ gcloud config list
```

Avoid Surprise Bills

Do this	Why
Prefer free labs and sandboxes	Google Skills labs and Microsoft Learn sandboxes use temporary accounts
Set a budget alert first	AWS Budgets, Azure Cost Management, Google billing alerts
Use free-tier sizes	Small instances, small storage
Delete what you create	Stop and delete VMs, disks, IPs, load balancers
Never share access keys	Use MFA; never put keys in GitHub
Check the bill weekly	Catch mistakes early

A Free Cloud Path

Weeks	Do this
1–2	AWS Cloud Practitioner Essentials (Skill Builder)
3–4	Microsoft Learn: Azure Fundamentals with sandboxes
5	Google Skills: Introduction to Generative AI + a cloud lab
6	Install AWS and Azure CLIs; set budget alerts
7–8	Deploy a Linux VM and a small web page; then delete everything
9+	Pick one cloud and go deeper: associate-level paths
Also	MyWebUniversity Ch. 37 and 39 for cloud resources

Summary and Homework

- Cloud: IaaS, PaaS, SaaS, serverless — mostly Linux
- AWS Skill Builder: 1,000+ free resources, free microcredentials
- Google Skills: free courses, 35 monthly credits for developers
- Microsoft Learn: free Azure paths with sandboxes
- Budget alerts first; delete what you create
- Homework: start AWS Cloud Practitioner Essentials and one Azure sandbox module

Thank You! 🙏

Free videos & PDFs: www.MyWebUniversity.com

Slides for this lesson: MyWebUniversity.com/presentations

YouTube: @MyWebUniversity · @MyWebUniversity-Dari

Wahidullah Lutfy — Founder and Director of IT of MyWebUniversity, and CS teacher

Book: The Direct Path to Linux Ubuntu (Amazon · Barnes & Noble)

Learn it, then pass it on.