



Learning Path



Nothing

Cloud Basics

Cloud Container Concepts

not sure? Find out

Skill-up with DevOps and IaC Essentials



DevOps
Prerequisite
course

6h 30m

linux basics
virtual box networking
vagrant
networking basics
programming basics
database basics
Git
Apache web server
IPs and ports
SSL & TLS basics
YAML



Linux for
Beginners

5h 15m

Linux Shell
Kernel
RunLevels
FileTypes RPM
YUM DPKG
APG
networkin

dns ssh
scp iptables
systemd nfs
lvm

Terraform
for
Beginners



4h 45m

terraform basics
terraform state
terraform with AWS
remote state
terraform provisioners
terraform import
tainting resources and debugging
terraform modules
terraform functions and conditional expressions



Learn Cloud Fundamentals



AWS Cloud
Practitioner
Certification



10h 30m

cloud computing
cloud economics
shared responsibility models
AWS IAM
AWS security and compliance
core AWS services
AWS storage
AWS compute services
AWS database
app integration
pricing and billing

Recommended



GCP
Digital
cloud
Leader



4h 0m

digital
transformation

resource
hierarchy

compute

databases

object storage

API's in GCP

google cloud
solutions for AI
and ML

container
orchestration

security in GCP

GCP architecture

mock exams



Explore Cloud Basics



AZ-104:
Microsoft
Azure
Administrator
13h 0m



azure active directory

subscription and
governance

implementing virtual
networking

configure VMs

load balancing

intersite connectivity

automating deployment
and configuration

securing storage

azure blobs

azure files

azure app services

azure blobs

backup and recovery

network monitoring

resource monitoring

mock exams



DP-900:
Microsoft
Azure Data
Fundamentals



storage accounts

structured data
semi-structured data
cosmosDB
data factory
PowerBI

Learn Cloud Containerization and Orchestration



Azure Kubernetes Service



2h 45m

azure landing zone

azure compute fundamentals

azure storage fundamentals

deploying AKS cluster

azure kubernetes fleet

networking in AKS

AKS security

CI/CD workflow for AKS

observability



Google Kubernetes Engine (GKE)



5h 30m

GKE architecture

GKE deployment and administration

networking for GKE clusters

managing security aspects

object storage

plan, deploy and manage workloads on GKE

GKE design considerations.



AWS ECS (Elastic Container Service)



1h 15m

- EC2 storage
- EC2 instance lifecycle
- EC2 user data
- EC2 static and dynamic IP address
- launch config and launch template
- EC2 CloudWatch and monitoring
- EC2 placement groups

Understand Object Storage



AWS S3
(Simple Storage Service)

3h 45m

- storage classes
- S3 ACLs & resource policies
- versioning
- lifecycle policies
- S3 replication
- S3 encryption
- S3 object lock
- inventory & access logs



Ace Infrastructure Services



AWS CodePipeline



3h 30m

- integrations
- security
- cost structure
- monitoring
- codecommit
- codebuild
- codepipeline limitations



Amazon Elastic Compute

Cloud (AWS EC2)

introduction
to NACL

EC2 storage,
instance
lifecycle

EC2 user
data

EC2 static
and dynamic
IP address

EC2
instance and
IAM role

instance
autoscaling
group

load
balancer &
target
groups

placement
groups

golden
image
pipeline

immutable
vs non-
immutable

disk partition
management
& snapshots.



Upcoming



Amazon Relational Database Service (AWS RDS)

overview of the AWS
management
console

different database
engines in RDS

RDS architecture
and concept

AWS RDS storage

blue/green
deployments

RDS networking and
securities

backup and restore

Aurora

monitoring RDS
databases



Amazon Identity and Access Management (AWS IAM)



AWS IAM introduction
configuring user access with IAM
managing IAM resources
AWS Security Token Service (STS)
AWS Organizations
AWS Single Sign-On
AWS Access Control
best practices
security considerations



Master Serverless Computing



AWS Lambda

2h 15m

lambda service
event sources
access permissions
functions
pricing
limitations
monitoring option
lambda networking
reserved and unreserved concurrency
provisioned concurrency
lambda container



Explore Cloud Security and Get Certified



AZ-500: Microsoft Azure Security Technologies



Secure azure solution with Azure AD
hybrid identity

identity protection
azure AD privileged identity management
enterprise governance
perimeter security
network security
host security
container security
app security
storage security
database security
azure monitor
microsoft sentinel



Learn Cloud Architecture



AZ-305:
Microsoft
Azure
Solutions
Architect
Expert
12h 30m



authentication and authorization
governance solution
network architecture
compute solution, non-relational data storage
relational data storage solution
data integration
migration solution
business continuity solution
app architecture
logging and monitoring



AWS
Certified
Solutions
Architect
-
Associate
(SAA-
C03)



designing for security

designing for reliability
designing for performance
designing for cost-optimization
applying your design skills

will it take for me to complete?



I can spend 2 4 6 hours / day

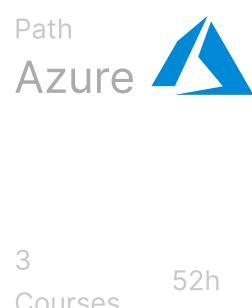


* This is based on averages from our students. This may change depending on your experience and level of expertise.

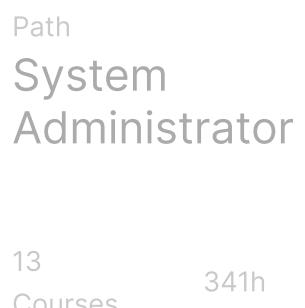
Test your Readiness for Free!

The skills test is a hands-on exam that helps you identify where you stand today in your preparation for your Kubernetes exam. Do you know about Cloud enough to attempt the exam? Find out now!

learning paths



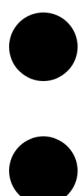
learning paths



[View All](#)

FAQs

What is a Cloud Engineer?



What are the key responsibilities of a Cloud Engineer?





What skills are essential for a Cloud Engineer?



Is programming knowledge required for a Cloud Engineer role?



What certifications are valuable for Cloud Engineers?



How does a Cloud Engineer differ from a DevOps Engineer?



What is Infrastructure as Code (IaC), and why is it important for Cloud Engineers?



How do Cloud Engineers ensure security in cloud environments?



What is the role of a Cloud Engineer in cloud cost management?



How do I become a Cloud Engineer?



LEARNING PATHS	COURSES	COMMUNITY	ABOUT	HELP	YOUR ACCOUNT
DevOps	Certified Kubernetes Administrator	Join our community	About Us	Contact Us	My Profile
Kubernetes	Certified Kubernetes Application Developer	Teach with Us	Success Stories	Support	
Docker		Write with Us	Our Values	Give us feedback	
Linux	Certified Kubernetes Security Specialist	Ambassadors	Careers at KodeKloud	Request a Course	
IaC	AWS Cloud Practitioner	Academia	Privacy Policy		
AWS	Microsoft Azure Solutions Architect Expert	Affiliates	Terms of Service		
GCP		Webinars	Business Terms of Service		
Azure	Microsoft Azure Administrator			Zaurac Technologies Pte Ltd 14 Robinson Road #08-01A Singapore 048545	



