DevOpsSchool

Course curriculum · November 2026

LEVEL 02 OF 04 · ESSENTIAL

Google Cloud Essential Training

Build scalable applications with managed instance groups, load balancing, Cloud SQL, GKE, Cloud Run and BigQuery.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **2 days · Days 1-2**	SELF-PACED VIDEO **1-year LMS access**
BATCH SIZE **Max 10 learners**	NEXT BATCHES **1st of every month · weekends: first Saturday**	CERTIFICATE **Verifiable certificate of completion**

Foundation	Essential	Intermediate	Advanced
1 day · Included	2 days · This curriculum	3 days · Next step	5 days · Later

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	24 topics · Foundation to Essential
Hands-on labs	2 labs
Formats and fees	Live, 1:1, self-paced, corporate
Trainer and reviews	Rajesh Kumar
Enrolment	Batches, payment, contacts

WHY DEVOPSSCHOOL

- Rated 4.6 on Google
- 1,500+ verifiable certificates issued in the public registry
- Trainer Rajesh Kumar: 20 years in industry
- Small batches: max 10 learners, every session recorded

Course page: www.devopsschool.com/courses/googlecloud/google-cloud-essential-training.html
Talk to us: WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

OUTCOMES

What you will achieve

By the end of the Google Cloud course path, you will be able to:

1

Build on Google Cloud

Deploy and run applications on Compute Engine, GKE, Cloud Run and managed databases.

2

Automate and operate workloads

Use Terraform, Cloud Build, Cloud Deploy and Cloud Monitoring and Logging to ship and observe services.

3

Design secure architectures

Apply IAM, network security, encryption, high availability and cost controls in a governed landing zone.

WHAT THE ESSENTIAL LEVEL ADDS

Scaling compute, databases, GKE and serverless

Hands-on: Build a scalable three-tier application. Deploy a web tier on a managed instance group behind a load balancer, an API on Cloud Run or GKE and data in Cloud SQL with secrets in Secret Manager.

WHO SHOULD ATTEND

- Learners who know the basics of Google Cloud and want to use it confidently every day.
- Professionals taking over Google Cloud work on a live project.
- Teams agreeing on a common way of working with Google Cloud.

BEFORE YOU START

- The Foundation level, or equivalent hands-on experience.
- You can already: Navigate Google Cloud projects, IAM and billing, and deploy your first VM, storage bucket and serverless app.
- Basic computer skills and a laptop with a stable internet connection for the live sessions and labs.
- This curriculum includes every earlier level, so it is complete on its own.

AGENDA · FOUNDATION TO ESSENTIAL

Google Cloud Essential Training agenda

24 topics. Each level builds on the one before it, so this curriculum lists every earlier level in full. Days are for corporate (day-wise) delivery; live online batches cover the same agenda in max 8-10 hours.

DAY 1 — Foundation: Cloud concepts, projects, IAM and first workloads

Included from Foundation

1. Introducing Google Cloud: global infrastructure, regions and zones, and IaaS, PaaS and serverless compared
2. Resource hierarchy: organization, folders, projects, labels and billing accounts
3. Interacting with Google Cloud: Cloud Console, Cloud Shell, the gcloud CLI, client libraries and APIs
4. IAM basics: principals, basic versus predefined roles, policies and service accounts
5. Billing and cost basics: budgets and alerts, the pricing calculator, free tier and usage discounts
6. Compute Engine: machine families, images, persistent disks, SSH access and creating a first VM
7. VPC networking basics: global VPCs, subnets, firewall rules and internal and external IP addresses
8. Cloud Storage: buckets, storage classes, object lifecycle rules and gcloud storage commands
9. Choosing a compute option: Compute Engine, GKE, Cloud Run, App Engine and Cloud Run functions
10. App Engine: deploying an application to the standard and flexible environments
11. Cloud Run first deploy: gcloud run deploy from source code or a container image
12. Data and AI at a glance: BigQuery, Cloud SQL and Vertex AI and where each fits

DAY 2 — Essential: Scaling compute, databases, GKE and serverless

New at this level

13. Managed instance groups: autoscaling, autohealing, regional MIGs and rolling updates
14. Cloud Load Balancing: global external Application Load Balancer, Network Load Balancer and health checks
15. Storage options compared: Cloud Storage, Cloud SQL, AlloyDB, Spanner, Bigtable and Firestore
16. Cloud SQL: MySQL and PostgreSQL instances, high availability, backups, private IP and the Auth Proxy
17. Firestore and Datastore mode: document model, indexes and storing application data
18. Google Kubernetes Engine: Autopilot versus Standard, node pools, kubectl and deploying a workload
19. Artifact Registry and Cloud Build: building container images and pushing them to repositories
20. Cloud Run in depth: revisions, traffic splitting, concurrency, minimum instances and service identity
21. Cloud DNS and Cloud CDN: managed zones, record sets and caching static content at the edge
22. IAM in practice: custom roles, IAM conditions and avoiding service account keys
23. Secret Manager: storing secrets and reading them from Cloud Run, GKE and Compute Engine
24. BigQuery basics: datasets and tables, loading data into BigQuery and querying it with SQL

PRACTICE

Hands-on labs

You build these yourself during the course, guided by the trainer.

FOUNDATION

Deploy first workloads on Google Cloud

Create a project with a budget alert, launch a Compute Engine VM, host files in Cloud Storage and deploy a container to Cloud Run.

ESSENTIAL

Build a scalable three-tier application

Deploy a web tier on a managed instance group behind a load balancer, an API on Cloud Run or GKE and data in Cloud SQL with secrets in Secret Manager.

HOW YOU CAN LEARN

Formats and fees

The same agenda in four formats. Fees are in Indian rupees as of November 2026; the course page shows them in your currency.

FORMAT	DURATION	WHAT YOU GET	FEE
Live & interactive (online)	Max 8-10 hours	Instructor-led public batch of max 10 learners with demos, labs, Q&A and assignment review. Weekday batches start on the 1st of every month, weekend batches on the first Saturday of every month.	**INR 34,999**
1:1 live training (online)	Max 8-10 hours, one-to-one	The same agenda, taught one-to-one by the trainer. Starts immediately, without waiting for the next batch; sessions planned around your working hours, at your pace.	**INR 99,999**
Self-paced video	1-year LMS access	All four Google Cloud levels, plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate (day-wise)	2 days for this level	A private batch for your team, on demand. Foundation 1 day, Essential 2, Intermediate 3, Advanced 5 (cumulative).	**Quote on request**

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on labs and assignments at every level. On completion you receive a DevOpsSchool certificate of completion with a unique credential ID that anyone can verify at devopsschool.com/certificates.

INCLUDED WITH EVERY LIVE BATCH

- Every live session is recorded and stays in your LMS for a year.
- Can't attend your batch? Move to next month's batch.
- Free demo class before you pay.
- Free 10-15 minute call with an advisor or the trainer to check the course fits you.

YOUR TRAINER

Learn from Rajesh Kumar

Principal Architect, trainer and mentor in DevOps, SRE, DevSecOps and platform engineering, with 20 years across 8+ software MNCs, including Staff DevOps/SRE Engineer for a leading Japanese mobile-payment platform and Principal DevOps Architect and Manager in Europe.

Profile: www.rajeshkumar.xyz · Videos: youtube.com/@TheDevOpsSchool

20 years in industry	**200+** corporate trainings
10,000+ engineers mentored	**70+** organisations coached

REVIEWS

What learners say

Rated 4.6 on Google · more reviews at devopsschool.com/testimonials and in our video testimonials.

> “Rajesh is very good trainer. Rajesh was able to resolve our queries and question effectively. We really liked the hands-on examples covered during this training program.”
>
> Indrayani, India

> “The training was very useful and interactive. Rajesh helped develop the confidence of all.”
>
> Abhinav Gupta, Pune

START YOUR GOOGLE CLOUD TRAINING

Join the next batch

Weekday batches start on the 1st of every month and weekend batches on the first Saturday of every month, with max 10 learners each. 1:1 training can start immediately; corporate batches run on demand. We reply within 1 hour.

Pay by UPI, credit and debit cards, net banking or PayPal. Before you pay, read our refund policy. All levels of this course: www.devopsschool.com/courses/googlecloud/

ENROL OR RESERVE A SEAT
Google Cloud Essential Training

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Next step after this level: Google Cloud Intermediate Training - Automate Google Cloud with Terraform and CI/CD, observe and troubleshoot workloads, and connect networks and event-driven services.