DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

Ibm Advanced Training

Design resilient, governed IBM Cloud architectures for enterprises, optimise cost and plan hybrid cloud migrations.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **5 days · Days 1-5**	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 · Included	3 days · Included	5 days · This curriculum

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	45 topics · Foundation to Advanced
Hands-on labs	4 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/ibm/ibm-advance-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 Ibm course path, you will be able to:

1

Build on IBM Cloud

Deploy virtual servers, containers, OpenShift workloads and managed data services on IBM Cloud.

2

Automate and secure delivery

Use Schematics, Terraform, Tekton toolchains, IAM and key management to deliver securely.

3

Design enterprise architectures

Plan resilient, compliant, cost-aware hybrid cloud platforms with IBM technologies.

WHAT THE ADVANCED LEVEL ADDS

Enterprise architecture, resilience, governance and migration

Hands-on: Design an enterprise IBM Cloud platform. Build a secure landing zone with Terraform, deploy a multi-zone OpenShift application with HA data services and run a disaster recovery exercise.

WHO SHOULD ATTEND

- Experienced Ibm practitioners responsible for quality, security and scale.
- Senior engineers, architects and leads who design and troubleshoot Ibm solutions.
- Teams making Ibm an organisation-wide standard.

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Connect and secure IBM Cloud workloads, observe and troubleshoot them, and add watsonx AI services to applications.
- 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 ADVANCED

Ibm Advanced Training agenda

45 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: IBM Cloud platform, accounts, IAM and first workloads

Included from Foundation

1. IBM technology landscape: IBM Cloud, Red Hat OpenShift, watsonx, IBM automation and observability tools
2. IBM Cloud fundamentals: regions, availability zones, data centres and the service catalogue
3. Accounts and billing: account types, resource groups, usage dashboards and spending notifications
4. Interfaces: IBM Cloud console, Cloud Shell, the ibmcloud CLI with plug-ins and APIs
5. Identity and access management: users, access groups, service IDs, API keys and trusted profiles
6. VPC basics: VPCs, subnets, security groups, network ACLs and floating IPs
7. Virtual servers for VPC: profiles, images, SSH keys, block storage and launching a first server
8. IBM Cloud Object Storage: buckets, storage classes, lifecycle rules and access keys
9. IBM Cloud Code Engine: deploying a container image, source code and batch jobs serverlessly
10. IBM Cloud Databases overview: Databases for PostgreSQL, MongoDB and Redis and when to use each
11. Getting help: documentation, status page, support cases and IBM Cloud architecture centre patterns

DAY 2 — Essential: Kubernetes, OpenShift, data services and delivery pipelines

Included from Essential

12. IBM Cloud Kubernetes Service: cluster creation, worker pools, kubectl access and deploying workloads
13. Red Hat OpenShift on IBM Cloud: projects, routes, builds, operators and the oc CLI
14. Container Registry: namespaces, pushing images, Vulnerability Advisor scanning and pull secrets
15. Load balancing and ingress: VPC load balancers, ingress controllers and TLS certificates
16. Managed data services: provisioning Databases for PostgreSQL, service credentials and private endpoints
17. Event Streams: managed Apache Kafka topics, producers and consumers
18. Secrets Manager: storing credentials and certificates and injecting them into applications
19. Key Protect: customer-managed keys and envelope encryption for storage and databases
20. Continuous Delivery: toolchains, Tekton pipelines, Git repos and automated deployments
21. Infrastructure as code: IBM Cloud Schematics workspaces and the Terraform IBM provider
22. Monitoring and logging basics: IBM Cloud Monitoring dashboards and IBM Cloud Logs

DAY 3 — Intermediate: Networking, security, observability and AI services

Included from Intermediate

23. Advanced networking: Transit Gateway, Direct Link, VPN for VPC and virtual private endpoints
24. Private connectivity: private service endpoints, context-based restrictions and DNS Services
25. Security and Compliance Center: profiles, scans, posture management and remediation
26. Activity tracking and audit: IBM Cloud Logs for platform and audit events and routing to storage
27. IBM Cloud Monitoring: metrics, alerts, Prometheus integration and Kubernetes dashboards
28. Application performance: IBM Instana Observability for tracing and automatic discovery
29. DevSecOps pipelines: compliance checks, image scanning and evidence collection in toolchains
30. watsonx.ai: foundation models, prompt lab, tuning and calling models through the API

31. watsonx.data and watsonx.governance: open lakehouse and AI governance concepts
32. Automation: ibmcloud CLI scripting, Terraform modules and policy-based resource tagging
33. Troubleshooting: cluster health, networking diagnostics, quota limits and support diagnostics

DAYS 4-5 **Advanced: Enterprise architecture, resilience, governance and migration** — New at this level

34. Enterprise accounts: account hierarchy, enterprise billing and centralised IAM governance
35. Landing zones: secure VPC reference architectures and deployable architectures
36. High availability: multi-zone regions, multi-zone clusters and database high availability
37. Disaster recovery: backup for VPC, cross-region replication, RTO and RPO planning
38. Hybrid cloud: Red Hat OpenShift across on-premises and IBM Cloud and Satellite locations
39. Specialised infrastructure: IBM Power Virtual Server and VMware solutions on IBM Cloud
40. Data protection: Hyper Protect Crypto Services, keep-your-own-key and confidential computing
41. Compliance frameworks: regulated workloads and control mapping in Security and Compliance Center
42. Cost optimisation: right-sizing, reserved capacity, usage reports and tagging for chargeback
43. Migration: assessing workloads, VM and database migration approaches and cutover planning
44. AI at scale: governing models with watsonx.governance and building agentic workflows
45. Capstone: a multi-zone, secured and monitored application platform on IBM Cloud with a tested DR plan

PRACTICE

Hands-on labs

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

FOUNDATION

Deploy first workloads on IBM Cloud

Set up access groups and a resource group, launch a VPC virtual server, store files in Cloud Object Storage and deploy a container to Code Engine.

ESSENTIAL

Ship a containerised app to OpenShift

Build an image into Container Registry, deploy it to OpenShift on IBM Cloud with a managed PostgreSQL database and Secrets Manager, through a Tekton pipeline.

INTERMEDIATE

Secure, observe and add AI

Connect two VPCs with Transit Gateway, apply context-based restrictions and compliance scans, add Instana monitoring and call a watsonx.ai model from the app.

ADVANCED

Design an enterprise IBM Cloud platform

Build a secure landing zone with Terraform, deploy a multi-zone OpenShift application with HA data services and run a disaster recovery exercise.

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 Ibm levels, plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate (day-wise)	5 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 IBM 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/ibm/

ENROL OR RESERVE A SEAT
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