DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

# Octopus Deploy Advanced Training

Run multi-tenant deployments, advanced release patterns and a highly available, audited Octopus platform for many teams.

| | | |
|---|---|---|
| LIVE ONLINE<br>**Max 8-10 hours** | CORPORATE (DAY-WISE)<br>**5 days · Days 1-5** | SELF-PACED VIDEO<br>**1-year LMS access** |
| BATCH SIZE<br>**Max 10 learners** | NEXT BATCHES<br>**1st of every month · weekends: first Saturday** | CERTIFICATE<br>**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 | 50 topics · Foundation to Advanced |
| Hands-on labs | 4 labs |
| Formats and fees | Live, 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/octopusdeploy/octopus-deploy-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 Octopus Deploy course path, you will be able to:

1

### Automate release management

Package, release and promote applications through environments with Octopus Deploy.

2

### Operate with runbooks

Automate routine and emergency operations tasks as versioned, auditable runbooks.

3

### Scale deployments safely

Run multi-tenant, highly available Octopus setups with governance and advanced release patterns.

WHAT THE ADVANCED LEVEL ADDS

### Multi-tenancy, deployment patterns, HA and governance

**Hands-on:** Run multi-tenant deployments at scale. Model tenants with tags and variables, roll out a canary release to a tenant group, and set up backups, retention and audit reporting.

WHO SHOULD ATTEND

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

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Automate Octopus with triggers, runbooks, Git-backed projects and the CLI and API, and administer and troubleshoot the server securely.
- 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

# Octopus Deploy Advanced Training agenda

50 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: Octopus architecture, installation and first deployment

Included from Foundation

1. Getting started: introduction to Octopus Deploy and how it complements CI servers
2. Terminology and glossary: spaces, environments, projects, releases, deployments, runbooks, targets and workers
3. Octopus Deploy architecture: Octopus Server, SQL Server database, Tentacle, Calamari and built-in package feed
4. How Octopus Deploy works: packages, release snapshots, lifecycle promotion and execution on targets
5. Octopus Cloud overview: hosted instances, data handling, static IP addresses and permissions
6. Installation requirements: Windows Server or Linux container host, SQL Server database and service permissions
7. Installing Octopus Server and Tentacles: listening versus polling Tentacles, first login and licence
8. Octopus as a container: running Octopus Server with Docker Compose and SQL Server
9. Environments and deployment targets: creating environments and adding machines with target tags
10. First Octopus deployment: package an app, create a project, define the process, create a release and deploy
11. First Octopus runbook run: create a runbook, publish it and run it against an environment
12. Best practices of Octopus Deploy: environment naming, small focused projects and variables over hard-coding

## DAY 2 Essential: Packaging, projects, variables and lifecycles

Included from Essential

13. Octopus Deploy packaging applications: creating zip, NuGet and tar packages with the Octopus CLI
14. Package repositories: built-in repository, external NuGet, Docker, Maven and GitHub feeds, supported types
15. Build server integration: GitHub Actions, Azure DevOps, Jenkins, TeamCity and Bamboo pushing packages and build info
16. Octopus Deploy projects: project groups, the deployment process and project recommendations
17. Steps: deploy a package, run a script, IIS websites and application pools, Windows services, configuration files
18. Built-in and community step library: using built-in steps, community library steps and exporting or importing projects
19. Variables: scoping by environment, target tag and machine, sensitive variables and substituting variables in files
20. Configuration transforms: XML and JSON configuration variables and environment-specific transforms
21. Lifecycles and channels: phases, automatic promotion and release channels for hotfixes
22. Approvals: manual intervention steps, guided failures and email notifications
23. Infrastructure: working with deployment targets, environments, accounts and workers in Octopus Cloud
24. Cloud targets: Azure Web Apps, AWS and Azure accounts, cloud regions and SSH targets

## DAY 3 Intermediate: Automation, runbooks, Config as Code and administration

Included from Intermediate

25. Custom reusable steps: creating custom steps with parameters, versioning them and updating usages
26. Project triggers: deployment target triggers, scheduled triggers and automatic release creation
27. Coordinating multiple projects: Deploy a Release step, running steps in parallel and rolling deployments
28. Runbooks for operations: scheduled runbooks, prompted variables, script modules and the script console
29. Config as Code: version-controlled projects in Git, branches, OCL files and pull-request workflows
30. Octopus CLI and API: the octopus CLI and octo.exe, Octopus.Client, the REST API and creating API keys

31. Kubernetes deployments: the Kubernetes agent, YAML, Helm and Kustomize steps
32. Workers and worker pools: dynamic workers, running steps on the Octopus Server and Calamari execution
33. Security: users, teams, user roles, spaces, Active Directory or Entra ID sign-in and HTTPS for the web portal
34. Troubleshooting the Octopus installation: raw task logs, debugging variables, listening Tentacles and request logging
35. Automating Octopus installation: silent installs, Octopus.Server.exe commands and the Terraform provider
36. Service accounts: permissions for the Octopus Windows service, Managed Service Accounts (MSA) and Tentacle users
37. Package transfer: delta compression, offline package drop, staged uploads and custom installation directories

**DAYS 4-5** **Advanced: Multi-tenancy, deployment patterns, HA and governance** **New at this level**

38. Octopus Deploy tenants: tenant types and tenant creation for SaaS and multi-customer deployments
39. Tenant variables and tenant tags: common and project variables and tag sets for grouping tenants
40. Tenant operations: tenant infrastructure, tenant lifecycles, tenant roles and security, multi-tenant deployment guides
41. Deployment patterns: blue-green, canary and rolling deployments and branching strategies
42. High availability: multi-node Octopus Server clusters, shared file storage, load balancers and task caps
43. Isolated Octopus servers: managing multiple instances and moving projects between spaces or instances
44. Migrating between self-hosted and Octopus Cloud: Export and Import Projects and data migration
45. Backup and restore: SQL Server backups, the master key and file storage; upgrading Octopus Server safely
46. Retention policies, auditing and reporting: audit log, deployment reports and DORA metrics in Insights
47. Certificates and hardening: custom certificates for Server and Tentacle and exporting Tentacle certificates
48. Platform scale: spaces per team, standard deployment processes and Terraform-managed configuration
49. Diagnostics: capturing crash dumps, concurrent Tentacle processes and task concurrency tuning
50. Capstone: a multi-tenant, multi-environment release pipeline with approvals, runbooks and auditing

PRACTICE

## Hands-on labs

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

FOUNDATION **Deploy your first release with Octopus**
Install Octopus Server and a Tentacle, create Dev and Test environments, and deploy a packaged web app through both.

ESSENTIAL **Build a promoted multi-environment release**
Push packages from a CI build, configure scoped variables, a lifecycle with manual approval and configuration transforms, and promote a release to production.

INTERMEDIATE **Automate operations with runbooks and Kubernetes**
Create a Git-backed project that deploys to Kubernetes, add scheduled runbooks and drive releases from the Octopus CLI.

ADVANCED

**Run multi-tenant deployments at scale**

Model tenants with tags and variables, roll out a canary release to a tenant group, and set up backups, retention and audit reporting.

HOW YOU CAN LEARN

## Formats and fees

The same agenda in three 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** |
| **Self-paced video** | 1-year LMS access | All four Octopus Deploy 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). 1:1 training is also available on demand. | **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 OCTOPUS DEPLOY 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. Corporate and 1:1 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/octopusdeploy/

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