DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

Tekton Advanced Training

Run Tekton as a multi-tenant CI/CD platform at scale with governance, custom extensions and observability.

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	44 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/tekton/tekton-and-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 Tekton course path, you will be able to:

1

Build Kubernetes-native pipelines

Write Tasks and Pipelines that build, test and package applications on Kubernetes.

2

Automate and secure delivery

Trigger pipelines from Git, sign artifacts with Chains and hand off to GitOps deployment.

3

Operate Tekton at scale

Run Tekton as a governed, observable, multi-team CI/CD platform.

WHAT THE ADVANCED LEVEL ADDS

Scale, multi-tenancy, extension and governance

Hands-on: Multi-team Tekton platform. Set up isolated team namespaces with quotas and shared trusted Tasks, enforce signed-Task policies and add Prometheus dashboards for pipeline health.

WHO SHOULD ATTEND

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

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Extend Tekton pipelines into delivery with GitOps, sign artifacts with Tekton Chains and operate pipelines reliably.
- 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

Tekton Advanced Training agenda

44 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: Kubernetes-native CI/CD concepts and first Task

Included from Foundation

1. Cloud-native CI/CD: why run pipelines as Kubernetes resources and where Tekton fits
2. Tekton projects: Pipelines, Triggers, Chains, Dashboard, Results and the CLI
3. Core concepts: Steps, Tasks, TaskRuns, Pipelines and PipelineRuns
4. How Tekton runs work: each TaskRun as a pod and each Step as a container
5. Installing Tekton Pipelines: release manifests or the Tekton Operator on a lab cluster
6. The tkn CLI: listing, starting and following logs of Tasks and Pipelines
7. First Task: a script step that runs inside a container image
8. Params and results: passing parameters into Tasks and emitting results
9. First Pipeline: ordering Tasks with runAfter and passing results between them
10. Tekton Dashboard: installing it and inspecting runs and logs

DAY 2 — Essential: Workspaces, builds, reuse and triggers

Included from Essential

11. Workspaces: sharing data between Tasks with PersistentVolumeClaims, emptyDir, ConfigMaps and Secrets
12. Cloning source: the git-clone Task and credentials for private repositories
13. Running tests: language-specific Tasks for Go, Java, Node.js and Python projects
14. Building images: Buildah or BuildKit Tasks and pushing to a container registry
15. Authentication: service accounts and Secrets for Git and registry access
16. Reusable Tasks: Artifact Hub catalog Tasks and versioning your own Tasks
17. Resolvers: git, bundles, hub and cluster resolvers for remote Tasks and Pipelines
18. Tekton Triggers: EventListener, TriggerBinding and TriggerTemplate resources
19. Webhooks: connecting GitHub or GitLab webhooks and filtering events with interceptors
20. Conditional execution: when expressions and finally Tasks for cleanup and notifications
21. Debugging runs: pod status, step logs and common failure causes

DAY 3 — Intermediate: Delivery, supply chain security and operations

Included from Intermediate

22. Continuous delivery: deploying with kubectl, Helm or Kustomize Tasks and promoting between namespaces
23. GitOps hand-off: updating manifests in Git for Argo CD or Flux to sync
24. Tekton Chains: automatic signing of TaskRun results and images with cosign
25. Provenance: SLSA provenance attestations and verifying them before deployment
26. Matrix: fanning out Tasks across parameter combinations
27. StepActions and sidecars: reusable step definitions and helper containers during steps
28. Resource management: compute resources, timeouts, retries, node selectors and tolerations for runs
29. Pipelines as Code: defining pipelines in the repository with the Pipelines as Code project
30. Tekton Results: long-term storage of run history and logs

31. Pruning and cleanup: removing old PipelineRuns and managing storage
32. Security basics: RBAC for pipelines, least-privilege service accounts and Pod Security

DAYS 4-5 **Advanced: Scale, multi-tenancy, extension and governance** — **New at this level**

33. Multi-tenancy: namespaces per team, quotas, network policies and shared catalogs
34. Scaling: controller tuning, high-availability controllers and node pools for build workloads
35. Performance: workspace storage choices, caching dependencies and image layer reuse
36. Custom Tasks: extending Tekton with custom controllers and run objects
37. Interceptors in depth: custom interceptors and CEL filtering for complex event routing
38. Observability: controller metrics in Prometheus, Grafana dashboards and alerting on failures
39. Policy enforcement: Kyverno or OPA policies for trusted Tasks and signed bundles
40. Secrets management: external secret stores with Vault or the External Secrets Operator
41. Supply chain hardening: hermetic builds, trusted resources verification and SBOMs
42. Upgrades: Tekton release cadence, API version changes and upgrade testing
43. Platform engineering: offering Tekton as a self-service golden path for teams
44. Capstone: a governed, signed, multi-team CI/CD platform on Tekton

PRACTICE

Hands-on labs

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

FOUNDATION

First Tekton Task and Pipeline

Install Tekton Pipelines on a kind cluster, write a Task with params and results and chain two Tasks into a Pipeline run with tkn.

ESSENTIAL

Webhook-driven CI pipeline

Build a Pipeline that clones a repository, runs unit tests and builds and pushes an image with Buildah, triggered by a GitHub push through Tekton Triggers.

INTERMEDIATE

Signed images and GitOps deploy

Enable Tekton Chains to sign images and provenance with cosign, verify them in a deploy Task and update a GitOps repository that Argo CD syncs.

ADVANCED

Multi-team Tekton platform

Set up isolated team namespaces with quotas and shared trusted Tasks, enforce signed-Task policies and add Prometheus dashboards for pipeline health.

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 Tekton 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 TEKTON 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/tekton/

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Tekton Advanced Training

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