DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

Bitbucket Advanced Training

Run Bitbucket at enterprise scale with backup and restore, clustering, mirroring, security hardening and migration.

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/bitbucket/bitbucket-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 Bitbucket course path, you will be able to:

1

Host and manage Git repositories

Create, organise and secure repositories, branches and pull requests in Bitbucket.

2

Integrate and automate delivery

Connect Jira, CI servers, IDEs and Pipelines and automate with REST APIs and webhooks.

3

Operate Bitbucket reliably

Back up, scale, secure and migrate Bitbucket for enterprise teams.

WHAT THE ADVANCED LEVEL ADDS

Backup, scale, high availability and governance

Hands-on: Highly available Bitbucket platform. Design a clustered Bitbucket Data Center with Mesh and a mirror, configure SSO and audit logging and perform a full restore drill.

WHO SHOULD ATTEND

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

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Automate Bitbucket with REST APIs, webhooks and Pipelines, and troubleshoot problems using recommended practices.
- 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

Bitbucket 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: Git hosting concepts, installation and interface

Included from Foundation

1. Bitbucket overview: Bitbucket Cloud versus Bitbucket Data Center, workspaces, projects and repositories
2. Git essentials for Bitbucket: clone, commit, branch, push and pull
3. Bitbucket installing: Data Center system requirements, installation, database and first run
4. Bitbucket configuration: base URL, mail server, licence and application settings
5. Bitbucket upgrades: upgrade paths, release notes and upgrading safely
6. Repository visualization and the Bitbucket interface: source browser, commits, branches and graphs
7. Profile: personal settings, avatars, emails and connected accounts
8. Managing repositories: creating, importing, forking, archiving and deleting repositories
9. Setting up a private key: generating SSH key pairs and adding public keys to your account
10. First collaboration: a feature branch, a pull request and a merge in a shared repository

DAY 2 — Essential: Repository administration, access and integrations

Included from Essential

11. Administrator repositories: repository settings, default branch, merge strategies and branch permissions
12. Use the SSH protocol with Bitbucket Cloud: SSH and Bitbucket, access keys and known hosts
13. Repository privacy, permissions and more: public versus private repositories and read, write and admin access
14. Notification and alerts: email notifications, watching repositories and alert settings
15. Authentication and authorization in Bitbucket: account management and permission management
16. Team account management and group management: workspaces, groups and default permissions
17. Two-step verification: enabling 2SV, recovery codes and enforcing it for a workspace
18. Add-ons, integrations and services: how to install and manage add-ons and Marketplace apps
19. Bitbucket integration with Jira and the Confluence wiki: smart commits, development panel and linking
20. Bitbucket integration with Jenkins and Bamboo: webhooks, build status and triggered builds
21. Bitbucket integration with IDEs: Eclipse and IntelliJ IDEA clone, commit and pull request workflows
22. Integrate another application through OAuth: OAuth consumers and API tokens
23. Pull request workflow: reviewers, tasks, inline comments, approvals and merge checks

DAY 3 — Intermediate: APIs, webhooks, Pipelines and troubleshooting

Included from Intermediate

24. Bitbucket Cloud REST APIs: authentication, pagination and automating repositories and pull requests
25. Manage webhooks: repository and workspace webhooks, events, payloads and delivery history
26. OAuth in depth: OAuth 2.0 flows, scopes and token handling for integrations
27. Bitbucket Pipelines: bitbucket-pipelines.yml, steps, caches, artifacts and services
28. Deployments in Pipelines: deployment environments, variables, secured variables and approvals
29. Code Insights: reports and annotations from linters, tests and security scanners
30. Branching strategies: Git Flow, trunk-based development and branching model settings

31. Large files: Git LFS setup, storage and migration of large binaries
32. Bitbucket Server troubleshooting: logs, support zips, slow clones and authentication failures
33. Bitbucket best practices: repository size limits, branch hygiene and access reviews
34. Bitbucket recommendations: naming conventions, project structure and permission patterns

DAYS 4-5 **Advanced: Backup, scale, high availability and governance** — **New at this level**

35. Backup and restore: the Bitbucket backup mechanism, database and shared home snapshots
36. Restore process: restoring to a new instance, verification and disaster recovery drills
37. Bitbucket Data Center clustering: nodes, shared home, load balancer and high availability
38. Bitbucket Mesh: distributing Git repository storage and replication across Mesh nodes
39. Smart mirroring: mirror farms for distributed teams and faster clones
40. Performance tuning: JVM and Git settings, hosting limits and rate limiting
41. Security hardening: SAML single sign-on, project-level access, secret scanning and audit logs
42. Governance: required merge checks, reviewer groups and compliance reporting
43. Server to Data Center or Cloud migration: Bitbucket Server end of support and the Cloud Migration Assistant
44. Monitoring Bitbucket: JMX metrics, application diagnostics and alerting
45. Capstone: highly available Bitbucket platform with tested backup and restore

PRACTICE

Hands-on labs

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

FOUNDATION

Create and share a first repository

Create a project and repository, add an SSH key, push code from a local Git repository and merge a first pull request.

ESSENTIAL

Secure team repository with integrations

Set branch permissions and 2SV for a team workspace, link Jira, trigger Jenkins builds on push and review a pull request.

INTERMEDIATE

Automated pipeline with webhooks

Create a Pipelines workflow with test and deploy steps, post Code Insights reports and automate PR labelling via webhooks and REST.

ADVANCED

Highly available Bitbucket platform

Design a clustered Bitbucket Data Center with Mesh and a mirror, configure SSO and audit logging and perform a full restore drill.

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 Bitbucket 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 BITBUCKET 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/bitbucket/

ENROL OR RESERVE A SEAT
Bitbucket Advanced Training

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