DevOpsSchool

Course curriculum · November 2026

CLOUDBEES · CERTIFICATION-FOCUSED PROGRAM

CloudBees CD Training and Certification

A practical, hands-on CloudBees CD Training and Certification curriculum: 323 topics. Learn live online in a small batch, as a private corporate batch, or self-paced with one year of LMS access.

LIVE ONLINE **Max 8-10 hours**	CORPORATE **Private team batch, on demand**	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**

INSIDE THIS CURRICULUM

Who should attend	Objectives, audience, prerequisites
Agenda	323 topics
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/cloudbees/cloudbees-cd-training-certification.html
Talk to us: WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

COURSE FIT

Who this program is for

Use this page to decide whether CloudBees CD Training and Certification matches your role and experience.

1

Objectives

Understand the core concepts and usage model, apply practical workflows through examples and guided tasks, and prepare for implementation, certification or team adoption.

2

Who should attend

Developers, DevOps engineers, administrators, SREs, security engineers, platform teams, release teams, technical leads and corporate teams working with this topic.

3

Before you start

Basic computer literacy and awareness of software, operations, cloud, DevOps or security workflows is helpful. Deep programming experience is not needed unless the topic requires it.

AGENDA AT A GLANCE · 323 TOPICS

Core curriculum

323 topics · Introduction

AGENDA · 323 TOPICS

CloudBees CD Training and Certification agenda

Live online batches run for max 8-10 hours; corporate batches are planned with your team.

CORE CURRICULUM — 323 topics

1. Introduction
2. Product features
3. Advanced, Model-Based Deployment
4. Process-as-Code
5. Secure, Scalable, and Robust Architecture
6. Unified Object and Data Model
7. Native CI Pipeline Integration
8. Architecture
9. CloudBees CD glossary
10. Modern cloud platforms
11. Traditional platforms
12. System requirements
13. CloudBees CD server and agent compatibility
14. DevOps Insight server specifications
15. Platform notes
16. Port usage
17. Hardware requirements
18. Browser requirements
19. Database requirements
20. Database sizing
21. Disk usage
22. Memory settings
23. Checksum utility
24. Software licenses
25. Installation on Kubernetes clusters
26. Installation on Kubernetes
27. Installation on traditional platforms
28. Special-case installations
29. Installer options
30. Server topology best practices
31. Pre-installation checklist
32. Default installation directories
33. Graphical UI installation
34. Express server
35. Advanced server
36. Express agent

37. Express Agent-only
38. Advanced Agent-only
39. DevOps Insight Server
40. Interactive Command-Line Installation
41. Express Agent-only (standalone)
42. Advanced Agent-only (standalone)
43. DevOps Insight server installation
44. Silent unattended installation
45. Silent install overview
46. Silent install arguments
47. Linux installation examples
48. Windows installation examples
49. Linux repository server installation example
50. Windows repository server installation example
51. Windows or Linux DevOps Insight server installation example
52. Non-server platform UNIX agent installation
53. UNIX agent interactive command-line
54. UNIX agent unattended
55. Installing remote agents
56. Prerequisites
57. Permissions
58. Installing via the web interface
59. Installing via the API
60. Moving the artifact repository in Linux
61. Moving the artifact repository in Windows
62. Connecting CloudBees CD to a Microsoft SQL server
63. Installing the MySQL JDBC driver
64. Uninstalling CloudBees CD
65. Uninstalling CloudBees CD on Linux, Unix, or macOS
66. Uninstalling CloudBees CD on Windows
67. Uninstalling the CloudBees CD DevOps Insight Server on Linux
68. Uninstalling the CloudBees CD DevOps Insight Server on Windows
69. Signing in to Flow
70. Administration guide
71. General configuration
72. The Default Zone and Gateways to Remote Zones
73. Applying an Enterprise License Key
74. External Database Configuration
75. Configuring CloudBees CD to Use an Alternate Database
76. Configuring Server and Agent Services Autostart for Non-Root/Non-sudo Linux Installations
77. Universal Access to the Plugins Directory

78. Configuring Kerberos SSO
79. Configuring SAML SSO
80. Environment Proxy Server Configuration
81. Increasing File Descriptors on Linux
82. Adjusting Swappiness on Linux
83. Setting Variables on Windows Agent Machines
84. Configuring Kibana to Work With DevOps Insight
85. Maintenance
86. CloudBees CD server backups
87. Restoring a CloudBees CD Server
88. Switching to an alternate database
89. witching to the built-in database
90. Maintaining DevOps Insight server data
91. Apache web server or agent certificates
92. Using chkconfig
93. Starting and stopping servers and agents manually
94. Collecting CloudBees CD logs
95. Web interface online help system
96. Horizontal scalability configuration
97. Preparing your cluster resources
98. Installing and configuring a load balancer
99. Installing ZooKeeper
100. Configuring a multi-ZooKeeper cluster
101. Installing CloudBees CD software
102. Configuring repository servers
103. Configuring machines to operate in clustered mode
104. Running a cluster in single-server mode
105. Adding the configuration to ZooKeeper
106. Uploading configuration files to ZooKeeper
107. Getting Information on the CloudBees CD server cluster from ZooKeeper
108. Adding a node to an existing cluster
109. Configuring web server properties
110. Configuring repository server properties
111. Configuring CloudBees CD agents
112. Configuring the cluster workspace
113. Configuring CloudBees CD repositories
114. Adding trusted agents to clusters
115. Verifying CloudBees CD services
116. Accessing CloudBees CD with clustering
117. Health check for the CloudBees CD cluster
118. Additional Ways to improve a cluster

119. Installing the DevOps Insight server in cluster mode
120. Disaster recovery
121. Upgrade guide
122. Upgrade roadmap for traditional platforms
123. Upgrading a non-clustered environment
124. Upgrading a clustered environment
125. Choosing the correct upgrade method
126. User interface upgrade method
127. Interactive command-line upgrade method
128. Silent (unattended) upgrade method
129. Copying repository contents
130. Upgrading remote agents
131. Upgrading the DevOps Insight server
132. Configuration settings preserved after an upgrade
133. User guide
134. Introduction to CloudBees CD
135. CloudBees CD Architecture
136. Roadmap to CloudBees CD
137. Plugins and Cloudbees Field-Contributed Solutions
138. Guided Tutorials
139. Deploy UI Elements
140. Signing in to CloudBees CD
141. Home Page
142. Personas
143. Access Control
144. My Work Dashboard
145. Object List Layout
146. Object Schedules
147. Pagination
148. Searching and Filtering
149. Hierarchy Menu
150. Property Browser
151. Projects in CloudBees CD
152. Object Tags
153. Deployment Automation
154. Applications and Processes
155. Environments
156. Creating or Editing a Project in the Deploy Web UI
157. Parameters
158. Master Components
159. Master Component Examples

160. Master Components List UI
161. Artifact Staging
162. Rollback
163. Managing Application or Microservice Dependencies
164. Manual Steps and TasksProcess Branching
165. Property Reference Use Case
166. Snapshots
167. Inventory Tracking
168. Environment Inventory
169. Microservice Deployment Using Containers
170. Deployment Packages
171. Deployment Strategies
172. Deployment Examples
173. Automated Environment Discovery
174. Environment Reservations
175. Full-Stack Dependency View
176. Configuration Drift
177. Guidelines for Modeling and Deploying Applications in CloudBees CD
178. Examples: Modeling and Deploying Applications
179. Example: Manual Step with Runtime Parameters
180. Attaching Credentials to Application and Component Processes
181. Plugin Process Steps
182. Adding Process Steps
183. Deploying Applications in Dynamic Environments
184. Modeling Dynamic Environments
185. Deploying Applications with Provisioned Cloud Resources
186. Retiring Dynamic Environments
187. Dynamic Environment Example with Amazon and Chef
188. Developer Task: Creating Custom Plugins
189. Pipeline concepts
190. Pipeline stages and gates
191. Pipeline access control
192. Pipeline tasksEntry and exit gates
193. Pipeline conditions
194. Pipeline start and end stages and stage skipping
195. Wait dependencies
196. Native CI integration
197. Event-based triggers
198. Pipeline UI
199. Authoring and running pipelines
200. Defining gate approvals

201. Pipeline objects and conditions
202. Pipeline stage summary
203. Credentials in pipelines
204. Running pipelines
205. Viewing pipeline runs
206. Troubleshooting pipelines
207. Pipeline examples
208. Example: Creating a manual task in a pipeline
209. Example: plugin pipeline tasks
210. Example: integrating test automation in release pipelines
211. Example: leveraging test data management and service virtualization in release pipelines
212. Example: Surfacing Jenkins build details in Flow
213. Release Management
214. Release Concepts
215. Release Planning, Scheduling, and Tracking
216. Release and Environment Reservations Calendar
217. Visibility and Status of Release Pipelines
218. Release DefinitionRelease Dashboard
219. Planned Versus Actual View
220. Path to Production View
221. Release Summary
222. Running and Ending Releases
223. Data Retention
224. Change tracking
225. Performance consequences of change tracking
226. Estimating database growth
227. Best practices for change tracking
228. Configuring change tracking
229. Searching the change history
230. Viewing the change history
231. Modifying what you see in the change history
232. Reverting changes to a tracked object and its tracked contents
233. Exporting a previous state of a tracked object and its tracked contents
234. Self-Service Catalogs
235. Notifications
236. Setting Email Notifications
237. Selecting and Editing Email Messages for Application or Microservice Processes
238. DevOps Insight user guide
239. DevOps Insight Overview
240. Understanding the DevOps Insight Data Model
241. Creating a Report

242. Creating a Dashboard
243. Creating a New Dashboard Using the UI
244. Copying an Existing Dashboard
245. Adding Widgets to an Existing Dashboard
246. Elasticsearch Basics
247. Extending the Data Model
248. Dashboard Reference
249. Viewing a Dashboard
250. Releases Dashboard
251. Application Deployments Dashboard
252. Microservice Deployments Dashboard
253. Release Command Center Dashboard
254. Continuous Integration Dashboard
255. Code Commit Trends Dashboard
256. Configuring the DevOps Insight Server
257. DevOps Foresight install and user guide
258. Installing DevOps Foresight
259. Configuration
260. Upgrading
261. Uninstalling
262. Security guide
263. Credentials and user impersonation
264. Credentials application and component processes
265. Use Case: using credentialsin deployment automation
266. credentials in releases
267. Cross-site request forgery protection
268. Plugins guide
269. Bundled plugin report
270. Plugin developer guide
271. Introduction to plugins
272. Plugin concepts
273. Plugin development framework
274. Using the pdk tool
275. Perl APIs
276. Component manager
277. Client REST
278. Config
279. Context
280. Credential
281. Dev stack trace
282. Exception

283. Log
284. Parameter
285. Step parameters
286. Step result
287. Code snippets
288. Groovy APIs
289. REST plugin concepts
290. Reporting concepts
291. Perl tutorials
292. Introductory
293. Basic reporting
294. Advanced REST
295. Advanced reporting
296. Groovy tutorials
297. Introductory Jira
298. Basic CLI
299. Advanced using external libraries
300. Known issues
301. Release notes
302. Troubleshooting guide
303. CloudBees CD server is unresponsive and displays an outofmemory error
304. Windows PHP does not handle time zones correctly
305. CloudBees CD self-signed server certificate fails security scan
306. The AES passkey was accidentally overwritten
307. CloudBees CD CA or intermediate CA certificate expires
308. Linux upgrade breaks symbolic links
309. Built-In database schema on disk is older than required by CloudBees CD server for upgrade
310. Automation platform guide
311. Build-Test Automation
312. Getting Started
313. Automation Platform Setup
314. Automation Platform Tasks
315. Automation Platform Objects and Functionality
316. Tutorials
317. Using Special Characters in Object Names
318. Legal and policies
319. Support policies
320. Supported platforms
321. Third-party libraries
322. CloudBees subscription and services agreement
323. Feature definitions

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	This program plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate	Planned with your team	A private batch for your team, on demand, with examples mapped to your platforms.	**Quote on request**

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on tasks and assignments. 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 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 courses: www.devopsschool.com/courses/

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WHATSAPP · INDIA
+91 99057 40781

WHATSAPP · USA
+1 (469) 756-6329

EMAIL
contact@DevOpsSchool.com

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