# CloudBees

**CERTIFIED 2022**

CD/RO
Essentials

Certification Guide for:

# CloudBees CD/RO Essentials

Information, Instructions, and Study Guide

09 August 2022

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# About This Certification

The CloudBees CD/RO (Continuous Delivery/Release Orchestration) Essentials certification is the foundational first step on the training and certification path for job roles that require knowledge and skill with CloudBees CD/RO . It is a prerequisite for more advanced training and certifications for many of the roles defined in CloudBees University.

The certification is earned by passing a proctored online exam.

Learn more about our certification tiers and how they tie in to our role-based learning paths at CloudBees Certification Levels and CloudBees Role-based Learning Paths.

### Who is it for?

The CloudBees CD/RO Essentials certification is designed for *everyone* that uses CloudBees, ensuring a conversational understanding of what CloudBees CD/RO can do. Implementation and technical problem solving skills are covered in higher levels of certification.

### What is the exam based on?

The body of knowledge for this course is the CloudBees CD/RO Essentials course and the CloudBees CD/RO Lexicon (terminology and definitions).

### Prerequisites

There are no required prerequisites for this certification exam other than a functional knowledge of the basic principles and components of CloudBees CD/RO and Jenkins .

However, it is *strongly* recommended that you take the CloudBees CD/RO Essentials online course through CloudBees University. That course will ensure you have a conversational understanding of what CloudBees CD/RO is and does.

### Cost
Registration for the exam costs $99 USD.

# About the Exam

The exam consists of 50 multiple-choice questions and must be completed in 60 minutes. It is available only as a remote-proctored online exam. Of the 50 questions you will see, 45 of them will count toward your score, while 5 are "field test" questions, which do not count for or against your score.

You can take the exam at any computer with a reliable internet connection. Be advised, however, that you will need to install a browser extension before the exam, so make sure you have sufficient privileges on the computer you intend to use. Google Chrome is the recommended browser.

**NOTE:** A webcam is required for the online proctored exam.

Pass/Fail results will be reported immediately upon completion of the exam and you will receive an email with a link to your certificate (that can be shared on LinkedIn) within 10 days.

# Registration and Scheduling the Exam

You must register for the exam through the CloudBees University CD/RO page (https://university.cloudbees.com/page/cloudbees-cdro). Choose the role-based learning and certification path that best suits you and/or your job role. There you will find all the relevant training and the "Prepare for the CloudBees CD/RO Essentials Certification Exam" course. This course is required and will tell you everything you need to know about how to prepare for and take the exam.

At the end of the course, you will find a link to purchase the exam. Upon purchase, you will find more information and a link to the Exam Portal where you will schedule the exam.

When you schedule the exam, you should receive an email with detailed instructions and links. Please read that email completely, as the instructions are important to preventing any exam-day issues.

If you did not receive an email from testingsupport@getyardstick.com, check your spam/junk mail folders. If you still don't have it, please email certifications@cloudbees.com regarding your confirmation email.

**No Shows and Cancellations:** Failure to take the exam at the scheduled time will be considered a "no show" and you will forfeit your exam fee.

**Rescheduling:** If you need to reschedule or cancel the exam, you can do so by logging in to the Exam Portal through the appropriate course in CloudBees University (Use the "Access the Exam Portal" button in the Schedule/Log in to Exam lesson).

Please note that rescheduling or cancellation must be completed at least 72 hours prior to your scheduled exam time.

If you have special circumstances that caused you to have to make a change on short notice, you can request special consideration by reaching out to testingsupport@meazurelearning.com or certifications@cloudbees.com.

## Accessibility and Accommodations Policy

CloudBees provides special accommodations in accordance with the Americans with Disabilities Act of 1991 (ADA). If a disability prevents you from taking the examination under standard conditions, you may request special accommodations. Written requests explaining the nature of the disability (i.e., the diagnosis), the type of accommodation you feel is appropriate, and any supporting documentation of the diagnosis from a qualified healthcare professional must accompany the registration application. CloudBees reserves the right to request reasonable documentation from healthcare or other professionals to support requests for special accommodations.

For instructions on how to request accommodation, see the FAQ at the end of this Handbook.

## Expiration and Recertification

This certification expires in 3 years from the date of your certificate.  This is to ensure you are staying current and up to date on the software and platform, since they evolve over time.

In order to maintain your certification, you will need to Recertify before your certification expires in 3 years.

The recertification requirements for this program are still under review, but will consist of a training requirement. Please check back with CloudBees Certification or related documentation for updates. If you receive the certification before the requirements are posted, we will contact you regarding recertification.

# APPENDIX A: Exam Blueprint

This Exam Blueprint shows the topics (domains) and sub-topics (sub-domains) covered on the exam, as well as the tasks expected of the candidate in the exam.

The percentage given below the domain names indicate the weight of the domain on the exam (i.e. Domain I: Deployment Automation constitutes 25% of the exam).

| Domain | SubDomain |
|---|---|
| **I. Deployment Automation**<br>**25%** | Terminology and Principles |
| | Features |
| | Use Cases |
| | Environment Management |
| | |
| **II. Release Orchestration**<br>**25%** | Terminology and Principles |
| | Features |
| | Use Cases |
| | Audit and Compliance |
| | Release Models |
| | Release Engineering / Production Support |
| | Release Workflows |
| | Release Command Center |
| | Release calendar |
| | |
| **III. Reporting**<br>**15%** | Built-In Dashboards |
| | Custom Dashboards |
| | Data Sources |
| | |
| **IV. Integrations** | Pre-Installed Plugins |

| | |
|---|---|
| **15%** | Plugin Development Kit |
| | |
| **V. Enterprise Team Management and Authorization** **20%** | Access Control |
| | High Availability |
| | DSL, API |
| | SSO |
| | Platform Extensibility |

# APPENDIX B: Practice Questions

Below are five sample questions similar to ones you may encounter on the exam. These are for practice/informational purposes only.

1: Which option displays the state of the environment at a point in time?

    A: Environment Inventory

    B: Environment Snapshot

    C: Environment Tier

    D: Environment Reservation

2: Which of the following is defined as "a top-level container for related procedures, workflows, schedules, jobs, and properties, which is used to isolate different user groups or functions, and also encapsulate shared facilities"?

    A: Agent

    B: Executor

    C: Project

    D: Job

3: What is the term for a period of inactivity before starting a build within a continuous integration system, during which developers can make coordinated check-ins to ensure a build is complete?

    A: Rest

    B: Sleep

    C: Down time

    D: Quiet Time

4: In CloudBees CD/RO, what component allows the reuse of releases by providing a flexible abstraction of pipeline elements that can be assembled in other combinations that are predictable and repeatable?

A: Release Models

B: Pipeline Controls

C: Command Center

D: A Release Dashboard


5: The CloudBees Analytics server can collect data from external tools such as JIRA and Service Now. Where is this data displayed?

A: CD/RO Helm Plugin

B: Operations Center

C: The Primary Control Center (PCC)

D: The Release Command Center dashboard

## Answers:

1:A, 2:C, 3:D, 4:A, 5:D

# APPENDIX C: FAQ

- **What is the passing score for the exam?**

  We do not publish the passing score, as it may vary depending on the difficulty of the version of the exam you are given. This is common practice among professional credentials.

- **I failed the exam, now what?**

  You may re-register and retake the exam. We strongly recommend that you study based on the feedback you get from the score report after the exam.

- **I registered for the exam but I need to reschedule. How do I do that?**

  See "Rescheduling" on Page 4 above.

- **My score report after the exam showed "Field Test Items (Unscored)". What is that?**

  Field Test Items are potential future exam questions that we are collecting data on. There are a few mixed into your exam, but they do not count for or against your actual score. b They are for administrative data collection only.

- **I have a disability or medical condition that affects my ability to take an exam. How do I request Special Accommodation?**

  See Accessibility and Accommodations on Page 4.
  Written requests with a subject line of Exam Accommodation Request should be made to certifications@cloudbees.com explaining the nature of the disability (i.e., the diagnosis) and the type of accommodation you feel is appropriate (such as additional time, etc.).

  Your request will be routed to the appropriate persons who will consider your request and who may reach out to you to request supporting documentation of the diagnosis from a qualified healthcare professional.

  More answers can be found on the CloudBees University FAQ site.