



The Liquibase Certified Associate Exam

The goal of the Liquibase Associate Certification Exam is to authenticate your technical ability beyond the fundamental mechanisms of Liquibase. It will provide you with an official, impartial, and proven validation of your Liquibase expertise.

Prerequisites

The exam questions are derived from the four intermediate-level courses with additional questions covering the fundamentals of Liquibase.

To unlock the certification exam, you must have successfully completed the following courses:

- LB201 Liquibase Commands for Troubleshooting.
 - LB202 Liquibase and the CI/CD Process.
 - LB203 Managing Liquibase Changelogs.
 - LB204 Common Liquibase Design Patterns.
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Certification Exam Behavior

The Liquibase Associate Certification Exam is a pass-or-fail, 120-minute timed test consisting of seventy questions. You will have two attempts to reach an 80% pass rate.

This exam may include these four types of questions:

- Multiple choice – a single correct answer.
- Multiple responses – two or more correct answers. The number of correct answers will be specified as part of the question.
- Fill in the blank – contains one or more dropdowns with possible answers to correctly complete the sentence.
- Drag and drop – correctly match a description to a topic using a drag and drop action.

You can move to the next or previous question using the navigation arrows. Answering the questions as they are presented is recommended to avoid additional time to navigate back to skipped questions.

There are two ways the exam is submitted:

- All questions have been answered, and you select the “Submit test” button.
- When the timer reaches 120 minutes, the system will automatically submit the test.

Exam Credentials

Users who pass the exam will be issued a Liquibase Certified Associate badge from our credentialing tool Accredible and an exam certificate from Liquibase University. These credentials **do not expire**.

Exam Content

This exam outline is **not a definitive list** of what the certification exam assesses. Certain concepts such as DevOps may be incorporated within a question but not individually tested.

Exam candidates must be knowledgeable on the following topics:

- The generate-changelog and diff commands.
- The liquibase.properties file.
- The DATABASECHANGELOG and the DATABASECHANGELOGLOCK tables.
- Basic concepts of a changelog and changeset.

Liquibase Commands for Troubleshooting

- The update, history, and status commands.
- The rollback<tag> and rollback-count commands.
- The validate and clear-checksums commands.
- The include and includeAll tags.
- The list-locks and release-locks commands.
- The mark-next-changelog-ran command.

Liquibase and the CI/CD Process

- The principles of CI/CD.
- The purpose and benefits of source control.
- Liquibase and CI/CD best practices:
- Merging, branching, and using pull requests.
- Types of database testing.
- Determining test types and methods for the build and deploy stages.
- Working with release and object-based repositories.

Managing Liquibase Changelogs

- The different changelog components including headers, global preconditions, changesets, and changeset attributes.
- Ways to organizing changelogs.
- Grooming changelogs including risks and how to restructure and consolidate changesets.
- Benefits and uses of Change Types.
- Using labels, contexts, and preconditions.
- Using the runOnChange, runOrder, and runAlways attributes.
- Using tagDatabase, updateToTag, and comments.
- Using labels, contexts, and preconditions to group changesets during a release cycle.
- Modifying deployed changesets.
- Modifying a changeset after a rollback.
- Excluding changesets.

Common Liquibase Design Patterns

- Exception handling.
- Detecting unintentional drift.
- Re-synchronizing pipeline environments when drift happens.
- Fundamentals of property substitution.
- Deploying changesets with different tablespace names.

Exam Tips

Try to answer the questions in the order they are presented. If you submit the test BEFORE the 120-minute mark and there are unanswered questions, the system will prompt you to answer skipped questions before submitting.

If you have answered all questions and still have exam time, use the navigation arrows to move forward, or back, to re-check your given answers before submitting.