



# Certified Distributed Ledger Professional (CDLP)

## Exam Objectives CDLP-001

### About the exam

| Item                | Detail                                                                                                                                                                                                                                                                                               |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Level               | Intermediate                                                                                                                                                                                                                                                                                         |
| Number of questions | 80. A performance-based exam: each form can carry up to 5 to 12 performance-based questions alongside the multiple-choice questions.                                                                                                                                                                 |
| Delivery model      | Computer adaptive in 3 stages of 28, 26, 26 questions. Your score on each stage selects the difficulty of the next, so no two candidates sit the same paper.                                                                                                                                         |
| Time limit          | 120 minutes                                                                                                                                                                                                                                                                                          |
| Scoring             | You need a score of 700 out of 900 to pass. Results are reported on a scale of 100 to 900, and 700 corresponds to answering 72% of the exam correctly. Harder questions carry more weight, so a score means the same thing on any route. Multiple-response items and PBQs are scored all or nothing. |
| Delivery            | Online, fully proctored (webcam, microphone and screen).                                                                                                                                                                                                                                             |
| Prerequisites       | No formal prerequisite. Candidates do best with some technology background and 40 to 60 hours of study.                                                                                                                                                                                              |
| Retakes             | No waiting period after a failed first attempt. Candidates pay the exam price each time they attempt the exam. See the CertLabz Certification Retake Policy at <a href="https://certlabz.com/certification-retake-policy.html">certlabz.com/certification-retake-policy.html</a>                     |
| Validity            | 3 years. Renew with 50 CEUs per cycle and the \$35 annual continuing-education fee, or by passing the current exam.                                                                                                                                                                                  |
| Language            | English                                                                                                                                                                                                                                                                                              |
| Exam voucher        | \$149 for one sitting, valid 12 months. Bundles add the study guide ebook and the All Access plan.                                                                                                                                                                                                   |

### Domain weights

| Domain                                  | Questions |
|-----------------------------------------|-----------|
| D1 Distributed Ledger Foundations (16%) | 13        |

## D2 Consensus and Networks (16%)

|                                              |           |
|----------------------------------------------|-----------|
|                                              | 13        |
| D3 Cryptography and Keys (17%)               | 14        |
| D4 Smart Contracts and Transactions (17%)    | 14        |
| D5 Enterprise and Permissioned Ledgers (17%) | 13        |
| D6 Governance, Security and Adoption (17%)   | 13        |
| <b>Total (100%)</b>                          | <b>80</b> |

## Objectives by domain

Each objective may appear as knowledge, a scenario to judge, a circuit to trace or assemble, or a number to compute. Each form can carry up to 5 to 12 performance-based questions: drag-and-drop matching, sequencing and table completion, drawn fresh each attempt. The exam does not test any vendor's SDK syntax.

### D1 Distributed Ledger Foundations

16% 13 questions

- D1.1 What DLT and blockchain are
- D1.2 Blocks and hashing
- D1.3 Decentralization
- D1.4 Public, private and permissioned
- D1.5 Appropriate use cases
- D1.6 When not to use DLT

### D2 Consensus and Networks

16% 13 questions

- D2.1 Proof of work
- D2.2 Proof of stake
- D2.3 BFT consensus
- D2.4 Nodes and validators
- D2.5 Forks and finality
- D2.6 The scalability trilemma

### D3 Cryptography and Keys

17% 14 questions

- D3.1 Hashing
- D3.2 Public-key cryptography
- D3.3 Digital signatures
- D3.4 Keys and addresses
- D3.5 Merkle trees
- D3.6 Wallet basics

### D4 Smart Contracts and Transactions

17% 14 questions

- D4.1 Accounts
- D4.2 Transactions
- D4.3 Gas and fees
- D4.4 Smart contract basics
- D4.5 Token standards
- D4.6 State

## D5 Enterprise and Permissioned Ledgers

17% 13 questions

- D5.1 Permissioned and consortium ledgers
- D5.2 Channels and privacy
- D5.3 On-chain versus off-chain
- D5.4 Interoperability
- D5.5 Oracles
- D5.6 Enterprise use cases

## D6 Governance, Security and Adoption

17% 13 questions

- D6.1 Key management
- D6.2 Common risks and scams
- D6.3 Immutability tradeoffs
- D6.4 Regulation awareness
- D6.5 Scalability and adoption
- D6.6 Choosing DLT responsibly

## Continuing education

| Renewal                 | Requirement                                                 |
|-------------------------|-------------------------------------------------------------|
| Validity                | 3 years from the date of issue                              |
| CEUs required per cycle | 50                                                          |
| Annual CE fee           | \$35                                                        |
| Alternative to CEUs     | Pass the current version of the exam before the expiry date |

## Qualifying activities

| Activity                                                     | CEUs                               |
|--------------------------------------------------------------|------------------------------------|
| CertLabz labs, PBQs, courses and SkillTracker assessments    | 1 CEU per hour, up to 25 per cycle |
| Other industry certifications earned or renewed              | 10 to 25 each, depending on level  |
| Conferences, webinars and training                           | 1 CEU per hour, up to 20 per cycle |
| Blockchain, Web3 or software work experience                 | 3 per year, up to 9 per cycle      |
| Teaching, mentoring, publishing or open-source contributions | Up to 15 per cycle                 |
| College courses in computing or data                         | 10 per completed course            |

## CertLabz Certification Retake Policy

- **No waiting period after a failed first attempt:** If you fail your first attempt at any CertLabz certification examination, CertLabz does not require any waiting period between the first and second attempt.

- **Once you pass, you cannot resit the same exam code:** A candidate who has passed an exam and achieved a certification cannot take that exam again under the same exam code without prior consent from CertLabz. You will need to wait until a new series of the exam is published before attempting to recertify by examination.

- **Beta examinations, one attempt only:** A CertLabz beta examination may be taken one time by each candidate.

- **Violations invalidate the attempt:** A test found to be in violation of this policy will be invalidated, and the candidate may be subject to a suspension period. Repeat violators will be permanently banned from the CertLabz Certification Program.

- **Every attempt is paid for:** Candidates must pay the exam price each time they attempt the exam. CertLabz does not offer free retests or discounts on retakes.

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<https://certlabz.com/certifications/certified-distributed-ledger-professional.html>