



Certified Container Orchestration Professional (CCOP)

Exam Objectives **CCOP-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 one to two years of container or DevOps experience and 40 to 70 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 certlabz.com/certification-retake-policy.html
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 Containers and Images (16%)	13

D2 Kubernetes Architecture and Core Objects (16%)

	13
D3 Workloads, Scheduling and Configuration (17%)	14
D4 Networking, Services and Ingress (17%)	14
D5 Storage, Security and Access Control (17%)	13
D6 Observability, Scaling and Operations (17%)	13
Total (100%)	80

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 Containers and Images

16% 13 questions

- D1.1 Containers versus virtual machines
- D1.2 Images, layers and registries
- D1.3 Minimal, pinned, non-root images
- D1.4 Multi-stage builds and image scanning
- D1.5 The OCI standards
- D1.6 Immutable, stateless container design

D2 Kubernetes Architecture and Core Objects

16% 13 questions

- D2.1 Pods, nodes and namespaces
- D2.2 Control plane: API server, scheduler, etcd
- D2.3 The kubelet and reconciliation
- D2.4 Deployments, ReplicaSets, StatefulSets
- D2.5 DaemonSets, Jobs and CronJobs
- D2.6 The declarative model and etcd backup

D3 Workloads, Scheduling and Configuration

17% 14 questions

- D3.1 Resource requests and limits
- D3.2 Liveness and readiness probes
- D3.3 Rolling updates and strategies
- D3.4 Affinity, taints, tolerations, spread
- D3.5 ConfigMaps and Secrets
- D3.6 Pod disruption budgets

D4 Networking, Services and Ingress

17% 14 questions

- D4.1 Services: ClusterIP, NodePort, LoadBalancer
- D4.2 Cluster DNS and service discovery
- D4.3 Ingress and ingress controllers
- D4.4 NetworkPolicies and default-deny
- D4.5 CNI plugins
- D4.6 Service mesh and mTLS

D5 Storage, Security and Access Control

17% 13 questions

- D5.1 PersistentVolumes, claims and StorageClasses
- D5.2 Access modes and reclaim policy
- D5.3 RBAC and least privilege
- D5.4 Secrets encryption at rest
- D5.5 Pod security standards
- D5.6 ServiceAccounts and admission control

D6 Observability, Scaling and Operations

17% 13 questions

- D6.1 Horizontal and cluster autoscaling
- D6.2 Metrics, logs and traces
- D6.3 Custom-metric scaling
- D6.4 OOMKills and right-sizing
- D6.5 Cluster upgrades and node draining
- D6.6 GitOps and disruption budgets

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
Platform, DevOps or Kubernetes 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 engineering	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-container-orchestration-professional.html>