

CKAD 2025 Exam Questions & Answers - Practice Simulator

Complete practice environment for 20 CKAD 2025 exam questions extracted from verified candidate reports.

Source: Verified 2025 CKAD candidate reports (May-December 2025) **Total Questions:** 20

Prerequisites

- Access to a Kubernetes cluster (k3s, kind, minikube, or any dev cluster)
- `kubectl` configured and working
- `podman` or `docker` for container image questions
- Metrics server for resource monitoring questions (optional, verification will adapt)

Quick Start

```
cd CKAD-2025-Exam

# List all available questions
./scripts/run-question.sh list

# Start a question (sets up environment + shows question)
./scripts/run-question.sh Question-01-Ingress-Creation

# Verify your answer
./scripts/run-question.sh Question-01-Ingress-Creation verify

# View solution if stuck
./scripts/run-question.sh Question-01-Ingress-Creation solution

# Reset/cleanup
./scripts/run-question.sh Question-01-Ingress-Creation reset
```

Questions Overview

#	Question	Domain	Weight
1	Ingress Creation	Services & Networking	~7%
2	Fix Broken Ingress (404 Error)	Services & Networking	~5%
3	Fix Broken Deployment (Incorrect Secret)	Application Deployment	~5%
4	NetworkPolicy - Adjust Pod Labels	Services & Networking	~7%
5	ResourceQuota Compliance	Configuration and Security	~5%

#	Question	Domain	Weight
6	CronJob Configuration	Application Design and Build	~7%
7	ServiceAccount Selection	Configuration and Security	~5%
8	Canary Deployment	Application Deployment	~8%
9	Multi-Container Sidecar Pod	Application Design and Build	~7%
10	Expose Deployment with NodePort	Services & Networking	~5%
11	Deployment Debugging	Application Deployment	~8%
12	Fix Deprecated API Version	Application Deployment	~5%
13	Liveness & Readiness Probes	Application Observability	~7%
14	Create Job with Failure Policy	Application Design and Build	~5%
15	Docker Build + Export to OCI Format	Application Design and Build	~4%
16	Service Selector Fix	Services & Networking	~5%
17	SecurityContext Configuration	Configuration and Security	~7%
18	RBAC - Fix Forbidden Error	Configuration and Security	~8%
19	Pod with Command (Keep Running)	Application Design and Build	~4%
20	Create Secret with Multiple Keys	Configuration and Security	~7%

Workflow

1. **Setup:** `./scripts/run-question.sh Question-XX` - Creates resources and shows question
2. **Solve:** Use kubectl to complete the task
3. **Verify:** `./scripts/run-question.sh Question-XX verify` - Check your answer
4. **Solution:** `./scripts/run-question.sh Question-XX solution` - View solution if stuck
5. **Reset:** `./scripts/run-question.sh Question-XX reset` - Clean up before next attempt

Directory Structure

```

CKAD-2025-Exam/
  └── scripts/
      └── run-question.sh      # Main runner script
  └── Question-01-Ingress-Creation/
      ├── setup.sh            # Environment setup
      ├── question.txt         # Question text
      ├── verify.sh            # Answer verification
      ├── solution.sh          # Solution with explanations
      └── reset.sh              # Cleanup script
  └── Question-02-Fix-Broken-Ingress/
      └── ...
  └── README.md

```

Exam Tips

1. **Always switch context first** before answering any question
2. **Use imperative commands** when possible to save time
3. **Use K8s documentation** - know search keywords
4. **Verify your work** - always check pods are running
5. **Practice Linux commands** - sort, awk, grep, head are essential

Commands Cheat Sheet

```
# Context
kubectl config use-context <context>

# Create resources
kubectl create secret generic <n> --from-literal=key=value
kubectl create ns <namespace>
kubectl run <pod> --image=<image> --port=<port>

# Edit & Update
kubectl edit deployment <n> -n <ns>
kubectl set image deployment/<n> <container>=<image>
kubectl scale deployment <n> --replicas=N

# Rollouts
kubectl rollout status deployment/<n>
kubectl rollout history deployment/<n>
kubectl rollout undo deployment/<n>

# Debug
kubectl logs <pod> -n <ns>
kubectl exec -it <pod> -- /bin/sh
kubectl describe pod <pod> -n <ns>
kubectl top pod -n <ns>

# RBAC
kubectl auth can-i <verb> <resource> --as=system:serviceaccount:<ns>:<sa>

# Ingress
kubectl create ingress <name> --rule="host/path=svc:port"

# NetworkPolicy
kubectl label pod <pod> <key>=<value>
```

Source

Questions compiled from verified 2025 CKAD candidate reports from various sources including:

- KodeKloud Community
- Tech With Mohamed
- Pass4Success

- LinuxDataHub
- Multiple Reddit and forum testimonials