

# Module 1 Lab – Discovering Official Documentation

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Welcome to your first CKA preparation lab!

The goal of this lab is to help you get familiar with the **official documentation sources** that are allowed during the exam.

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## Objectives

By the end of this lab, you should be able to:

- Navigate and search within the official Kubernetes documentation
  - Understand the structure and purpose of each documentation portal
  - Identify and bookmark key sections to help during the exam
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## Allowed Documentation Resources

Explore the following official documentation sites:

### 1. Kubernetes Documentation

- Explore key sections like:
  - Concepts
  - Tasks
  - Reference
- Try searching:
  - `kubectl explain`
  - `create pod`

- `taints and tolerations`

## 2. Kubernetes Blog

- Look for articles on:
  - New features in Kubernetes 1.32
  - Security best practices
  - Release notes and upgrade guides

## 3. Helm Documentation

- Find:
  - How to install Helm
  - How to install a chart (e.g., `helm install nginx`)
  - The structure of a chart (`Chart.yaml`, `values.yaml`, etc.)

## 4. Gateway API Documentation

- Understand the purpose of the Gateway API
- Compare Ingress vs Gateway API
- Locate example YAML for a `Gateway` or `HTTPRoute`

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## Task Checklist

- ☐ Navigate to each of the 4 documentation portals
- ☐ Perform at least 2 searches on each site
- ☐ Bookmark 1 or 2 key pages that might help you during the exam
- ☐ Note anything confusing or new — we'll review together

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## Tips

- Practice using the **search bar** and keyboard shortcuts (`CTRL+F`)

- Stay within the allowed domains (do **not** follow links to external blogs, StackOverflow, etc.)
  - Try switching language versions on Kubernetes docs (e.g. `/zh/docs/`) to confirm they're still allowed
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## Optional Submission (if guided by instructor)

If you'd like, create a short summary file:

- Name: `doc-summary.txt`
- Include:
  - 3 links you found useful
  - 1 thing you learned from each documentation portal