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Preparing For CKA & CKAD Certification Exam

Watch Videos and Guide for CKA

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7 Module 4: [Theory & Lab] Kubernetes Compon

- Presentation: Kubernetes Overview & Conc
- Lesson 1: Module Overview (06:27 min)
- Lesson 2: Kubernetes Introduction (07:07 r
- Lesson 3: Kubernetes Architecture (15:49 r
- Lesson 4: Kubernetes Building Blocks (23:0
- Lesson 5: Kubernetes Installation Concepts
- Lesson 6: Virtual Machine Setup for Kubern
- Lesson 7: Kubernetes Kubeadm Setup (16:
- Lesson 8: Module Wrap-Up (02:42 min)
- Activity Guide: Bootstrap Kubernetes Cluste
- Activity Guide: [Bonus] [Optional] Connect Master Node

8 Module 5: [Theory] Kubernetes Networking & I

- Lesson 1: [Theory] Networking Label Servic
- Lesson 2: [Theory] Networking Service Typ
- Lesson 3: [Theory] Networking Service Lab
- Lesson 4: [Lab] Kubernetes Deployment De
- Activity Guide : Deploy an App on Pod & Ba

9 Module 6: [Theory & Lab] Highly Available & Scalable Ap Storage

- Lesson 1: Highly Available & Scalable Applications (1
- Lesson 2: [Lab] Deploy Scalable Stateless Application Update (12:51 min)
- Lesson 3: Autoscaling Horizontal Pod Autoscaler (HPA
- Lesson 4: [Lab] Autoscaling Metric Server HPA (19:1
- Lesson 5: Persistent Storage Volume Types Lifecycle
- Lesson 6: [Lab] Persistent Storage NFS Server Pod U min)
- Activity Guide: Deploy Scalable Stateless Application For Stateless Application
- Activity Guide: Configuring NFS Storage Persistence

10 Module 7: [Theory & Lab] Advance Scheduling [Node sel Anti-Affinity]

- Lesson 1: [Theory] Advance Scheduling- Node select
- Lesson 2: [Lab] Advance Scheduling- Node selector (
- Lesson 3: [Theory] Advance Scheduling- Node Affinit min)
- Lesson 4: [Lab] Advance Scheduling- Node Affinity &
- Lesson 5: [Lab] Advance Scheduling- Node Anti-Affin
- Activity Guide: Constraint Pod, Node Selector, Node A

11 Module 8: [Theory & Lab] Node Maintenance & Troubleshooting [Control Plane] Failure

- Lesson 1: [Theory] Node Maintenance (05:28 min)
- Lesson 2: [Lab] Node Maintenance (06:19 Min)
- Lesson 3: [Theory] Troubleshooting [Application & Control Pla min)
- Lesson 4: [Lab] Troubleshooting [Application & Control Plane] min)
- Lesson 5: [Lab] Troubleshooting Control Plane Failure (11:51
- Activity Guide: Cluster Node Maintenance, Debugging, Applic Troubleshooting Cluster

12 Module 9: [Theory & Lab] Security, ConfigMap and Resource Quc

- Lesson 1: [Theory] Security RBAC (09:59 min)
- Lesson 2: [Lab] Security RBAC (11:24 min)
- Lesson 3: [Theory] Network Policy (08:03 min)
- Lesson 4: [Lab] Network Policy (11:40 min)
- Lesson 5: [Theory] Security Context (07:17 min)
- Lesson 6: [Lab] Security Context (13:04 min)
- Lesson 7: [Theory] ConfigMap (04:23 min)
- Lesson 8: [Lab] ConfigMap (09:03 min)
- Lesson 9: [Theory] Resource Quota (06:57min)
- Lesson 10: [Lab] Resource Quota (08:50 min)

13 Module 10: [Theory & Lab] GuestBook App, Statefulset, Daemonset, Cluster HA & Cluster backup & Upgrade

- Lesson 1: [Theory] Guestbook App (04:08 min)
- Lesson 2: [Lab] Guestbook App (09:16 min)
- Lesson 3: [Theory] Statefulset & Init-container (17:29 min)
- Lesson 4: [Theory] DaemonSet (07:26 min)
- Lesson 5: [Theory] ELK (09:49 min)
- Lesson 6: [Lab] ELK (28:45 min)
- Lesson 7: [Theory] Cluster High Availability (12:22 min)
- Lesson 8: [Theory] Cluster Backup & Upgrade (08:27 min)
- Lesson 09: [Lab] ETCD Sanpshot (04:08 min)
- Activity Guide: Upgrade Kubernetes Cluster [Master & Worker Nodes]
- Activity Guide: Deploying PHP Guestbook, Collect Logs with Elk Stack, Backup & Restore ETCD Cluster

14 Module 11: [Theory & Lab] AKS Cluster, Taint & Tolerations, IngressController, Dynamic Storage

- Lesson 1: Working With AKS Cluster (16:03 min)
- Lesson 2 : [Theory] Taint and Tolerations (13:06 min)
- Lesson 3 : [Lab] Taint and Tolerations (07:36 min)
- Lesson 4 : [Theory] Ingress Controller (15:34 min)
- Lesson 5 : [Lab] Ingress Controller (09:53 min)

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Module 4: [Theory & Lab] Kubernetes Components, Architecture, and Installation

- Presentation: Kubernetes Overview & Concepts
- Lesson 1: Module Overview (06:27 min)
- Lesson 2: Kubernetes Introduction (07:07 min)
- Lesson 3: Kubernetes Architecture (15:49 min)
- Lesson 4: Kubernetes Building Blocks (23:03 min)
- Lesson 5: Kubernetes Installation Concepts (16:29 min)
- Lesson 6: Virtual Machine Setup for Kubernetes (37:46 min)
- Lesson 7: Kubernetes Kubeadm Setup (16:13 min)
- Lesson 8: Module Wrap-Up (02:42 min)
- Activity Guide (Lab): Bootstrap Kubernetes Cluster Using Kubeadm
- Activity Guide (Lab): [Bonus] [Optional] Connect Windows Worker Node to Ubuntu Master Node

Module 5: [Theory] Kubernetes Networking & Deployment

- Lesson 1: [Theory] Networking Service Label Overview Part-1 (16:22 min)
- Lesson 2: [Theory] Networking Service Types Part-2 (10:57 min)
- Lesson 3: [Theory] Networking Service Label (25:50 min)
- Lesson 4: [Theory] Kubernetes Networking, Service, Cluster IP & DNS (17:21 min)
- Lesson 5: [Lab] Kubernetes Deployment Demo (12:09 min)
- Activity Guide (Lab): Deploy an App on Pod & Basic Networking
- Practice Questions : Pod, Replicaset, Deployment, Namespace & Service

10 Module 6: [Theory & Lab] Deployment, HPA, Readiness & Liveness and Persistent Storage

- Lesson 1: [Theory] HA Stateless App, Deployment and Rolling Update & Rollback (16:02 min)
- Lesson 2 : [Lab] Deployment HA updated (27:54 min)
- Lesson 3: [Theory] Autoscaling Horizontal Pod Autoscaler (HPA) (18:34 min)
- Lesson 4: [Lab] Autoscaling Metric Server HPA (19:11 min)
- Lesson 5: [Theory] Readiness & Liveness Health Check (26:20 min)
- Lesson 6: [Lab] Liveness Health Check (05:41 min)
- Lesson 7: [Lab] Readiness Health Check (08:57 min)
- Lesson 8: [Theory] Persistent Storage Volume Types Lifecycle, PV and PVC (15:20 min)
- Lesson 9: [Lab] Persistent Storage NFS Volume Pod using PV and PVC (12:20 min)
- Activity Guide (Lab): Deployment and Configuring Autoscaling for Stateless Application
- Activity Guide (Lab): Readiness Health and Liveness Health
- Activity Guide (Lab): Configuring NFS Storage Persistence Volume
- Practice Questions : Deployment, HPA, Readiness & Liveness and Persistent storage

11 Module 7: [Theory & Lab] Advance Scheduling [Node Selector, Node Affintiy & Anti Affinity]

- Lesson 1: [Theory] Advance Scheduling - Node Selector (3:18 min)
- Lesson 2: [Lab] Advance Scheduling - Node Selector (5:24 min)
- Lesson 3: [Theory] Advance Scheduling - Node Affinity & Anti Affinity (17:34 min)
- Lesson 4: [Lab] Advance Scheduling - Node Affinity & Anti Affinity (6:06 min)
- Lesson 5: [Lab] Advance Scheduling - Node Anti-Affinity (05:13 min)
- Activity Guide (Lab): Constraint Pod, Node Selector, Node Affinity & Anti Affinity

12 Module 8: Network Policies & Security Context

- Lesson 1: [Theory] Security RBAC (09:59 min)
- Lesson 2: [Lab] Security RBAC (11:24 min)
- Lesson 3: [Theory] Network Policy (08:03 min)
- Lesson 4: [Lab] Network Policy (11:40 min)
- Lesson 5: [Theory] Security Context (07:17 min)
- Lesson 6: [Lab] Security Context (13:04 min)
- Activity Guide (Lab): Network Policies and User Secruity Context
- Practice Questions : Network Policies & Security Context

13 Module 9: [Theory & Lab] ConfigMap Registry with Secrets

- Lesson 1: [Theory] ConfigMap (04:22 min)
- Lesson 2: [Lab] ConfigMap (09:03 min)
- Lesson 3: [Lab] Private Registry with Secrets (05:52 min)

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14 Module 10: Health Check Probes

- Lesson 1: [Theory] Readiness & Liveness Health Check (26:20 min)
- Lesson 2: [Lab] Liveness Health Check (05:41 min)
- Lesson 3: [Lab] Readiness Health Check (08:57 min)
- Activity Guide (Lab): Readiness Health and Liveness Health

15 Module 11: [Theory & Lab] MultiContainer Pattern

- Lesson 1: [Theory] Multi-Container Pattern (09:17 min)
- Lesson 2: [Theory] Multi-Conatiner Sidecar (08:44 min)
- Lesson 3: [Lab] Multi Conatiner-Sidecar (06:07 min)
- Lesson 4: [Theory] Multi Conatiner-Ambassador (05:11 min)
- Lesson 5: [Lab] MultiContainer-Ambassador (06:34 min)
- Lesson 6: [Theory] Multi Conatiner-Adapter (06:38 min)
- Lesson 7: [Lab] Multi Container-Adapter (08:04 min)
- Activity Guide (Lab): Multi-Container Pattern - Side car, Shared IPC & Ambassador
- Practice Questions : MultiContainer Pattern

16 Module 12: [Theory & Lab] Jobs and Cron Jobs

- Lesson 1: [Theory] Cron Job (08:16 min)
- Lesson 2: [Lab] Cron Job (09:17 min)
- Lesson 3: [Theory] Job Non-Parallel (05:54 min)
- Lesson 4: [Lab] Job Non-Parallel (04:43 min)
- Lesson 5: [Theory] Parallel Job-Batch Processing (06:31 min)
- Lesson 6: [Lab] Parallel Job-Batch Processing (10:06 min)
- Lesson 7: [Theory] Parallel Job Work Queue (0:48 min)
- Lesson 8: [Lab] Parallel Job Msg Queue Part 1 (12:24 min)
- Lesson 9: [Lab] Parallel Job Msg Queue Part 2 (11:43 min)
- Activity Guide (Lab): Kubernetes Jobs - CronJob, Jobs & Coars
- Practice Questions : Jobs and CronJobs

17 Module 13: [Theory & Lab] Multistage Build & Working with Applic

- Lesson 1: [Theory] Multistage Build (09:55 min)
- Lesson 2: [Lab] Multistage Build (16:36 min)
- Lesson 3: [Theory] Application Stack (03:26 min)
- Lesson 4: [Lab] Application Stack (14:34 min)
- Activity Guide (Lab): Docker Multi Stage Build And Deploying S Application with Redis

18 Module 14: [Theory & Lab] AKS, Wordpress sql Ingress Controller and Statefullset

- Lesson 1: Working with AKS Cluster (16:03 min)
- Lesson 2: [Theory] Ingress Controller (15:34 min)
- Lesson 3: [Lab] Ingress Controller (09:53 min)
- Lesson 4: Statefulset & Init Container (17:29 min)
- Activity Guide (Lab): Ingress Controller and StatefulSet Resource
- Practice Questions : Ingress Controller and InitContainer

19 Module 15: [Theory & Lab] AKS Cluster, Taint & Tolerations, IngressController

- Lesson 1: Working With AKS Cluster (16:03 min)
- Lesson 2 : [Theory] Taint and Tolerations (13:06 min)
- Lesson 3 : [Lab] Taint and Tolerations (07:36 min)
- Lesson 4 : [Theory] Ingress Controller (15:34 min)
- Lesson 5 : [Lab] Ingress Controller (09:53 min)
- Lesson 6 : [Theory] Dynamic Storage (06:08 min)
- Lesson 7 : [Lab] Dynamic Storage (05:41 min)
- Activity Guide (Lab): Taint & Tolerations, Ingress Controller, Dynamic Persistent Volumes, StatefulSet Resource
- Practice Questions : Node Maintenance, Taint & Tolerance

CKA Practice Questions

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16 Certified Kubernetes Administrator (CKA) Practice Qu

- Prepare & Register For CKA Exam
- [PDF] Practice Questions Part-1
- [PDF] Answers for Practice Questions Part-1
- [PDF] Practice Questions Part-2
- [PDF] Answers for Practice Questions Part-2
- [PDF] Mock CKA Exam Practice Questions
- [PDF] Mock CKA Exam Practice Questions and Ans

1 CKA INSTRUCTION

Exam Portal UI:

Linux Foundation Certification Exams User Interface

https://docs.linuxfoundation.org/tc-docs/certification/lf-interface#exam-console-functions-in-top-menu-bar

https://docs.linuxfoundation.org/tc-docs/certification/lf-interface#content-panel

10. You can bookmark below URLS for help:

- https://kubernetes.io/docs/reference/kubectl/cheatsheet/#viewing-finding-resources
- https://kubernetes.io/docs/concepts/workloads/controllers/deployment/#creating-a-deployment
- https://kubernetes.io/docs/tasks/configure-pod-container/static-pod/#static-pod-creation
- https://kubernetes.io/docs/concepts/services-networking/service/
- https://kubernetes.io/docs/concepts/scheduling-eviction/assign-pod-node/#step-two-add-a-nodeselector-field-to-your-pod-configuration
- https://kubernetes.io/docs/concepts/scheduling-eviction/

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docker + kubernetes

- https://kubernetes.io/docs/setup/production-environment/tools/kubeadm/create-cluster-kubeadm/
- https://kubernetes.io/docs/tasks/administer-cluster/kubeadm/kubeadm-upgrade/#upgrade-the-first-control-plane-node
- https://kubernetes.io/docs/setup/production-environment/tools/kubeadm/install-kubeadm/
- https://kubernetes.io/docs/concepts/storage/persistent-volumes/#persistent-volumes
- https://kubernetes.io/docs/concepts/storage/persistent-volumes/#persistentvolumeclaims
- https://kubernetes.io/docs/concepts/storage/volumes/
- https://kubernetes.io/docs/tasks/administer-cluster/configure-upgrade-etcd/#built-in-snapshot

CKA Practice Questions

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1 CKA PRACTICE QUESTION

Note: Use Kubernetes Official Documentation to Create Object Files. htt

Q1) Deploy a pod named **nginx-pod** using the **nginx:alpine** image.

Q2) Deploy a **test** pod using the **redis:alpine** image with the labels set t

Q3) Create a namespace named **test_ns**

Q4) Create a service **messaging-service** to expose the messaging app on **port 6379.**

Q5) Create a deployment named **hr-web-app** using the image **nginx** wi

Q6) Create a static pod named **static-busybox** on the master node that and the command **sleep 1000.**

Q7) Create a POD in the **finance namespace** named **temp-bus** with th

Q8) Expose the **hr-web-app** as service **hr-web-app-service** application nodes on the cluster on port **8080**

Q9) Create a Persistent Volume with the given specification.

Volume Name: pv-analytics, Storage: 100Mi, Access modes: ReadWrite /pv/data-analytics

Q10) Create a new pod called **super-user-pod** with image **busybox:1.** able to set system_time. **The container should sleep for 4800 second**

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2 CKA PRACTICE QUESTION

Note: Use Kubernetes Official Documenta

Q1) Get the list of nodes in JSON format a

Q2) Use JSON PATH query to retrieve the /opt/nodes_os_x43kj56.txt

The osImage are under the nodeInfo se

Q3) Error the logs of pod nginx-pod write t

Q4) List All persistent volume sort by size/

Q5) Schedule pod for node

Name: nginx
image: nginx
Node Selector: disk=ssd

Q6) Recover node1 in active state

switch root user :
ssh node1
sudo su -

2 CKA QUESTION

Q1) Create a new service account with the name **pvviewer**. Grant this Service account access to **list** all PersistentVolumes in the cluster by creating an appropriate cluster role called **pvviewer-role** and ClusterRoleBinding called **pvviewer-role-binding**.

Next, create a pod called **pvviewer** with the **image: redis** and **serviceAccount: pvviewer** in the default namespace.

Q2) Set the node named worker node as unavailable and reschedule all the pods running on it.

Q3) Upgrade the current version of kubernetes master node from 1.18 to 1.19.0 exactly using the kubeadm utility.

Q4) Create snapshot of the etcd running at https://127.0.0.1:2379. Save snapshot into /opt/etcd-snapshot.db.

Use these are certificate for snapshot

Ca certificate: /etc/kubernetes/pki/etcd/ca.crt
Client certicate: /etc/kubernetes/pki/etcd/peer.crt
client key: /etc/kubernetes/pki/etcd/peer.key

and then restore from the previous ETCD backup.

Q5) Create a New NetworkPolicy named all-port that allows Pods in the existing namespace test-net to connect to port 80 of other Pods in same namespace.

Ensure that the new NetworkPolicy:
1. does not allow access to Pods not listening on port 80
2. does not allow access from Pods not in namespace test-net

Q6) Without changing its existing containers, an existing Pod needs to be integrated into Kubernetes's built-in logging architecture (e.g. kubectl logs). Adding a streaming sidecar container is a good and common way to accomplish this requirement.

CKAD Practice Questions

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20 Certified Kubernetes Application Developer (CKA

Answers

- [PDF] Practice Questions and Answers
- [PDF] Mock Exam Question & Answers

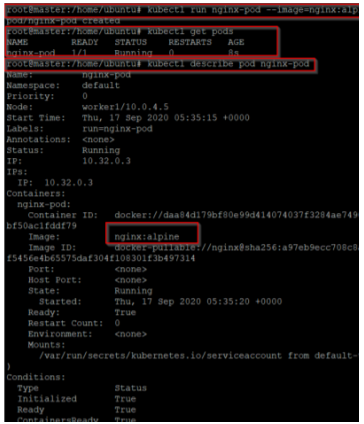
1 CKAD PRACTICE QUESTION

Note: Use Kubernetes Official Documentation to Creat

Q1) Deploy a pod named **nginx-pod** using the **nginx:**

Ans:

```
kubectl run nginx-pod --image=nginx:alpine
```



2 CKAD PRACTICE QUESTION

Q1) A web application requires a specific version of redis to be used as a cache.

Task: Create a pod with the following characteristics:

- The name of the pod should be cache
- Use the lfccncf/redis image with the 3.2 tag
- Expose port 6379

Ans:

Create pod and expose that pod

```
kubectl run cache –image=lfccncf/redis:3.2 --port=6379
```

Q2) Create a secret and consume the secret in a pod using environment variables as follow:

Task:

- Create a secret named another-secret with a key/value pair; key1/value4
- Start an nginx pod named nginx-secret using container image nginx, and add an environment variable

exposing the value of the secret key key 1, using COOL_VARIABLE as the name for the environment variable inside the pod.

Ans:

https://kubernetes.io/docs/concepts/configuration/secret/#using-secrets-as-environment-variables

```
kubectl create secret another-secret --from-literal=key1=value4
kubectl run nginx-secret --image=nginx --dry-run=client -o yaml > nginx-secret.yaml
```

Now edit this file and add environment variable

Important Instruction For Exam

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Some Important points:

1. Don't panic and try to keep your cool.
2. Always complete the easy questions first. If something is impossible then attempt it when you have completed all other questions and rechecked all your answers.
3. Make Sure you run kubectl config use-context <context> before every question so you can perfrom task on correct cluster.
4. Practice creating resources using imperative commands e.g. **kubectl create --dry-run -o yaml > file.yaml**, kubectl run, kubectl scaleand kubectl expose commands. This helped me to solve the easy questions much faster.
5. Take help from "kubectl create -h" command.
6. Try to use imperative commands as much as possible to save time.
7. Save your time for easy questions
8. Attempt Cluster Upgrade and ETCD backup/Restore after attemping all the questions.
9. Most of the Questions you have to run on Student-1 node. do not run commands on different clusters otherwise answers will not be registered.
10. You can bookmark below URLS for help:
    - https://kubernetes.io/docs/reference/kubectl/cheatsheet/#viewing-finding-resources
    - https://kubernetes.io/docs/concepts/workloads/controllers/deployment/#creating-a-deployment
    - https://kubernetes.io/docs/tasks/configure-pod-container/static-pod/#static-pod-creation

Things To Remember Before Exam

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4. kubernetes.io is your bible, if you have never read or used this, please do now. Or at least know your way around in there. You are allowed to open only this site and most probably you can find answer for every question.
5. Use '*ssh <node Name>*' to login to any node. Always exit to the main VM where you logged, I think if I remember correctly it was '*student@node-1*'.
6. Assume root access by using 'sudo -i' command after logging in. Once task is completed, always remember to 'exit' twice to reach to '*student@node-1*' machine.
7. Prepare to install or repair clusters using *kubeadm*. The exam assumes that you have installed using *kubeadm*. There were 3–4 questions using kubeadm in 2 different cluster.
8. One thing I have never used till date in k8s, was JSONPath expressions. In CKA there were at least 3–4 questions which uses this. Try to practice JSONPath expressions, *customcolumns* and *sort-by* options.
9. Make sure to explore the logs for kubelet and how to debug it, if it's broken or simply, not started. Silly thing like, 'systemctl enable kubelet' should suffice.
10. Prepared to be using 'docker ps' in case if kubelet or kube-apiserver is broken.
13. Try to use imperative commands as much as possible to save time. With 1.18 fixing the *kubectl* run workings, it's very clear to use now.
14. Concentrate on StaticPods, NodeSelector, Kube-Scheduler, Kubelet, Kubeadm, secrets and ETCD backup/restore.
15. There are some blogs on Medium with solutions to some of CKA questions. Just FYI.
16. Use '*kubectl explain <resource>.spec*' to know how to specify the yaml files if needed. For example, '*kubectl explain pod.spec.securityContext*' to know about what keys are available for SecurityContext options.
17. Few more commands that could help, '*kubectl api-versions*', '*kubectl api-resources -owide*', selector option, '*kubectl get pods — selector name=foo*'
18. Note down few files and locations like */var/lib/kubelet/config, /etc/kubernetes/manifests/ etc.,*.
19. You will be using Linux for everything. So get familiar and practice with *vi, systemctl, service, journalctl* commands.
20. Try to create a pod with multi-containers, init-containers and test pods with busybox:1.28, which helps you to use nslookup, wget etc.,

https://medium.com/@prashix/certified-kubernetes-administrator-cka-notes-and-20-tips-may-2020-692b0df1b1c6

Things To Remember Before Exam

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Tip #6: Get very familiar with those kubect' tricks

`kubectl` commands and tips&tricks fo and CKAD exams

Quickly retrieve imperative commands to create k8s resources.

Command: `k run -h | grep '# ' -A2`

When is it useful: copy/paste command to notepad, edit values and execute to cr desired resource

Result: list of different ways to create k8s resources imperatively using `kubectl`

Check last 10 events on pod

Command: `k describe pod <pod-name> | grep -i events -A 10`

When is it useful: after creating/modyfing pod or during troubleshooting exercise check quickly if there are no errors in pod

Result: List of events in given pod

Get help for different k8s resources

https://medium.com/faun/preparation-and-resources-for-cka-exam-ca868fc678c9

Tip 4: Reuse YAML's

You will need to create pod and deployment resources again and again. Once yaml is generated for a pod or deployment, we can easily reuse the same yaml for different questions with small modifications.

```
cp pod1.ymal pod2.yaml
```

https://medium.com/faun/certified-kubernetes-administrator-cka-tips-and-tricks-part-1-2e98e9b31de4

Read CKA & CKAD FAQ's

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What score is needed to pass the exam?

For the CKA Exam, a score of 66% or above must be earned to pass.
For the CKAD Exam, a score of 66% or above must be earned to pass.

How is my exam scored?

Exams are scored automatically, usually within 24 hours of completion. Results will be emailed within 36 hours from the time that the Exam was completed. Exams are graded for results.
There may be more than one way to perform a task on an Exam and unless otherwise specified, the candidate can pick any available path to complete the task as long as it produces the correct result.

What resources am I allowed to access during my exam?

During the exam, candidates may:

- review the Exam content instructions that are presented in the command line terminal.
- type "man lf_exam" in the command line to view instructions again at any time during the Exam
- review Documents installed by the distribution (i.e. /usr/share and its subdirectories)
- use their Chrome or Chromium browser to open one additional tab in order to access assets at: https://kubernetes.io/docs/, https://github.com/kubernetes/, https://kubernetes.io/blog/ and their subdomains. This includes all available language translations of these pages (e.g. https://kubernetes.io/zh/docs/)

No other tabs may be opened and no other sites may be navigated to (including https://discuss.kubernetes.io/).

The allowed sites above may contain links that point to external sites. It is the responsibility of the

https://docs.linuxfoundation.org/tc-docs/certification/faq-cka-ckad

Important Instructions: CKA and CKAD

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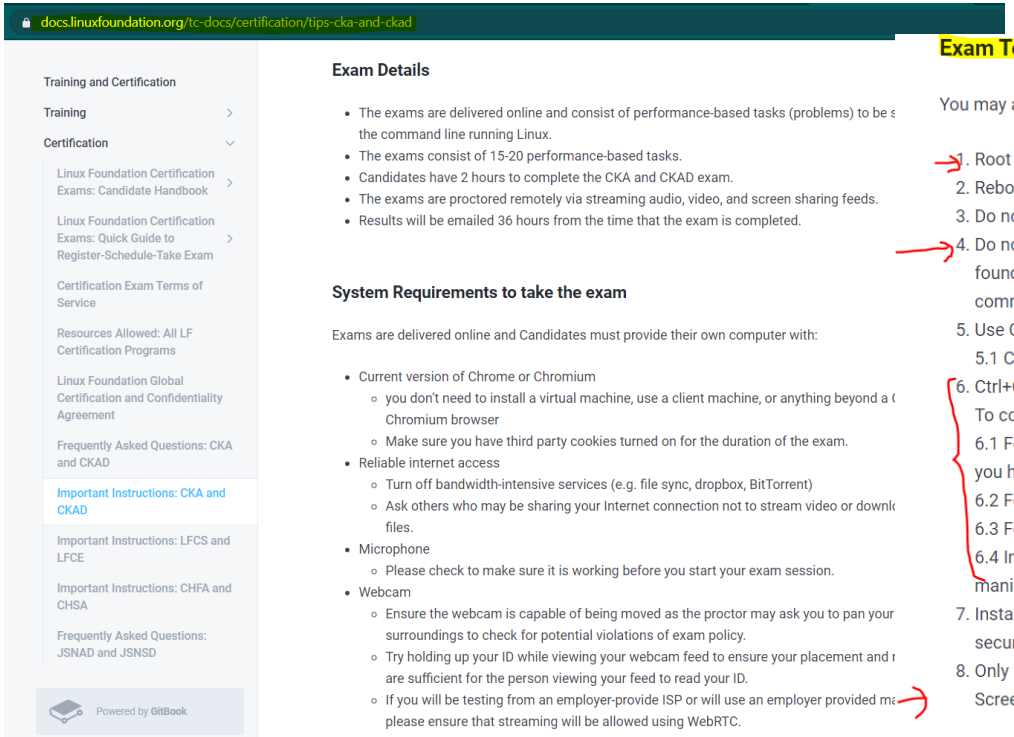

https://docs.linuxfoundation.org/tc-docs/certification/tips-cka-and-ckad

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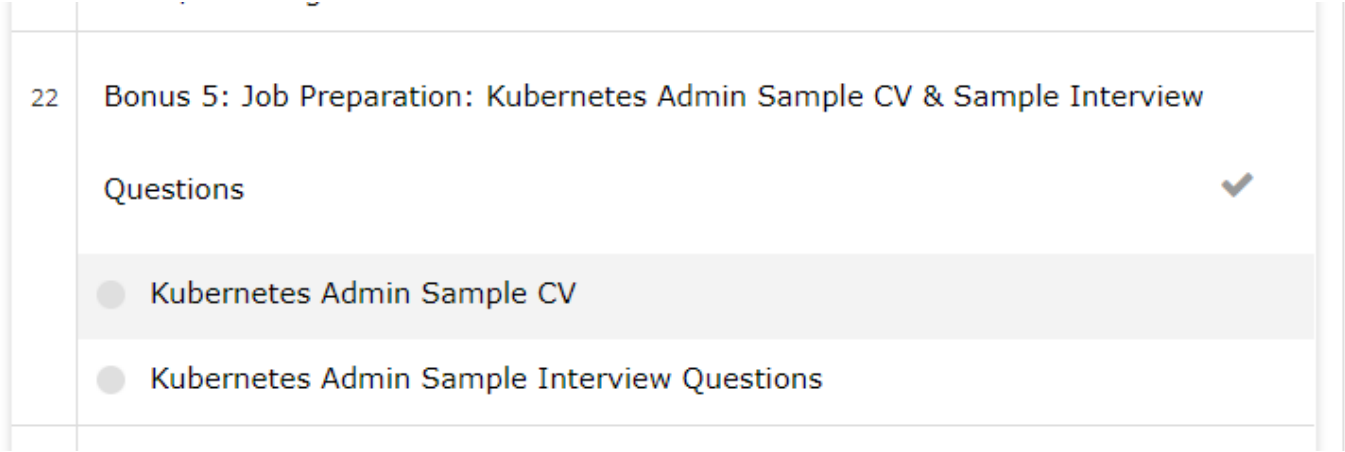
Prepare For Kubernetes Jobs

CKA Job Preparation



CKA Job Preparation

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Note: This Resume is for reference purpose update your resume according to job description.

<Email>
<Phone Number>

<Certificate Batches>

<Name>

<Introduction about yourself and what you do>

<Also, in this technical introduction add more points according to Job description (JD)>

I am a **Certified Kubernetes Administrator** with X+ years of experience as a **Kubernetes admin**, **DevOps engineer, Infrastructure admin** and **Delivery professional** *<Your Expertise also update this according to Job description (JD) >*. I have expertise working experience with **Docker, Kubernetes, Jenkins,** and other DevOps tools. Working on Kubernetes PODS, Deployments and Rolling Updates.

Working experience with orchestration using Kubernetes. Hands-on experience on deploying **stateless** and **stateful applications in** high availability. **Cluster Monitoring** using ELK & Kibana.

Hands on experience on Implementing **CI/CD Pipeline with Git and Jenkins** on Azure. DevOps practice for the microservice architecture using Kubernetes and orchestrated Docker Containers. Worked on several Docker components like Docker Engine, Docker Compose, and Docker registry.

I have experience in **cloud services** and **cloud platforms** like **Azure, AWS**. I have Hands-on experience on designing and implementing infrastructure using **Azure** cloud.

Experience with **Elastic Kubernetes Service (EKS)** deploying PHP guestbook application and advanced routing with **ingress-controller** and dynamic provisioning of **persistent volumes** using AWS EBS.

Professional Certification and Training:

<If any, mention here>

- Certified Kubernetes Administrator Certificate ID-xxxxx
- AWS Certified Solutions Architect Associate with Certificate ID-xxxxx
- MICROSOFT AZURE ADMINISTRATOR ASSOCIATE from Microsoft Crop.

SKILLS:

<Add or Remove Skills According to Job description (JD), highlight skills or tasks mentioned in Job description>

Database: Oracle Database Server, Unix and Windows, MongoDB

K21Academy
Learn Cloud from Experts

docker + kubernetes

INTERVIEW QUESTIONS BASED ON KUBERNETES

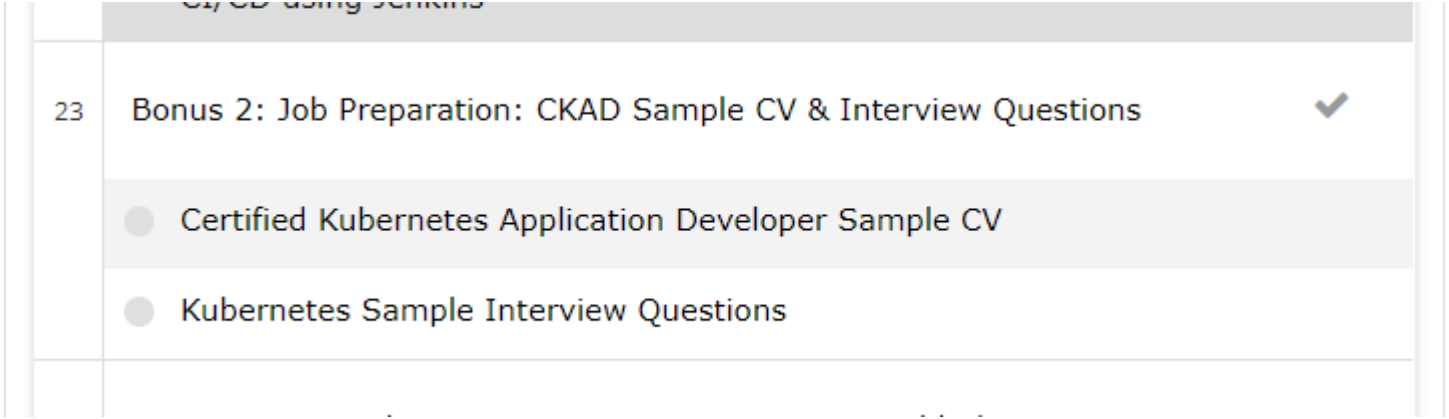
[Edition 2]

[L

For any issues/h

Contents

CKAD Job Preparation



CKAD Job Preparation

K21Academy
Learn Cloud from Experts

Note: This Resume is for reference purpose update your resume according to job description and your experience.

<Email>
<Phone Number>

<Add your Certificate Badges>

<Name>

<Introduction about yourself and what you do>

<Also, in this technical introduction add more points according to Job description (JD)>

I am a **Certified Kubernetes Application Developer** & **Certified Kubernetes Admin** with X+ years of experience as a **Kubernetes developer**, **DevOps engineer, Automation Engineer** and **Delivery professional** *<Your Expertise also update this according to Job description (JD) >*. I have expertise working experience with **Docker, Kubernetes, Jenkins,** and other DevOps tools. Working on Kubernetes Pods, Deployments, Rolling Updates and Scheduling jobs.

Working experience with orchestration using Kubernetes. Hands-on experience on deploying **stateless** and **stateful applications** in high availability.

Hands on experience on Implementing **CI/CD Pipeline with Git and Jenkins** on Azure. DevOps practice for the microservice architecture using Kubernetes and orchestrated Docker Containers. Worked on several Docker components like Docker Engine, Docker Compose, and Docker registry.

I have experience in **cloud services** and **cloud platforms** like **Azure, AWS**. I have Hands-on experience on designing and implementing infrastructure using **Azure** cloud.

Experience with **Multistage application build** and **Deploying go application** and **Redis** on Kubernetes.

< add more points according to Job description (JD) and your past experience >

Professional Certification and Training:

<If any, mention here>

- Certified Kubernetes Administrator Certificate ID-xxxxx
- Certified Kubernetes Application Developer ID-xxxx
- AWS Certified Solutions Architect Associate with Certificate ID-xxxxx
- Microsoft Azure Administrator Associate from Microsoft Crop.

K21Academy
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docker + kubernetes

INTERVIEW QUESTIONS BASED ON KUBERNETES

[Edition 2]

[L

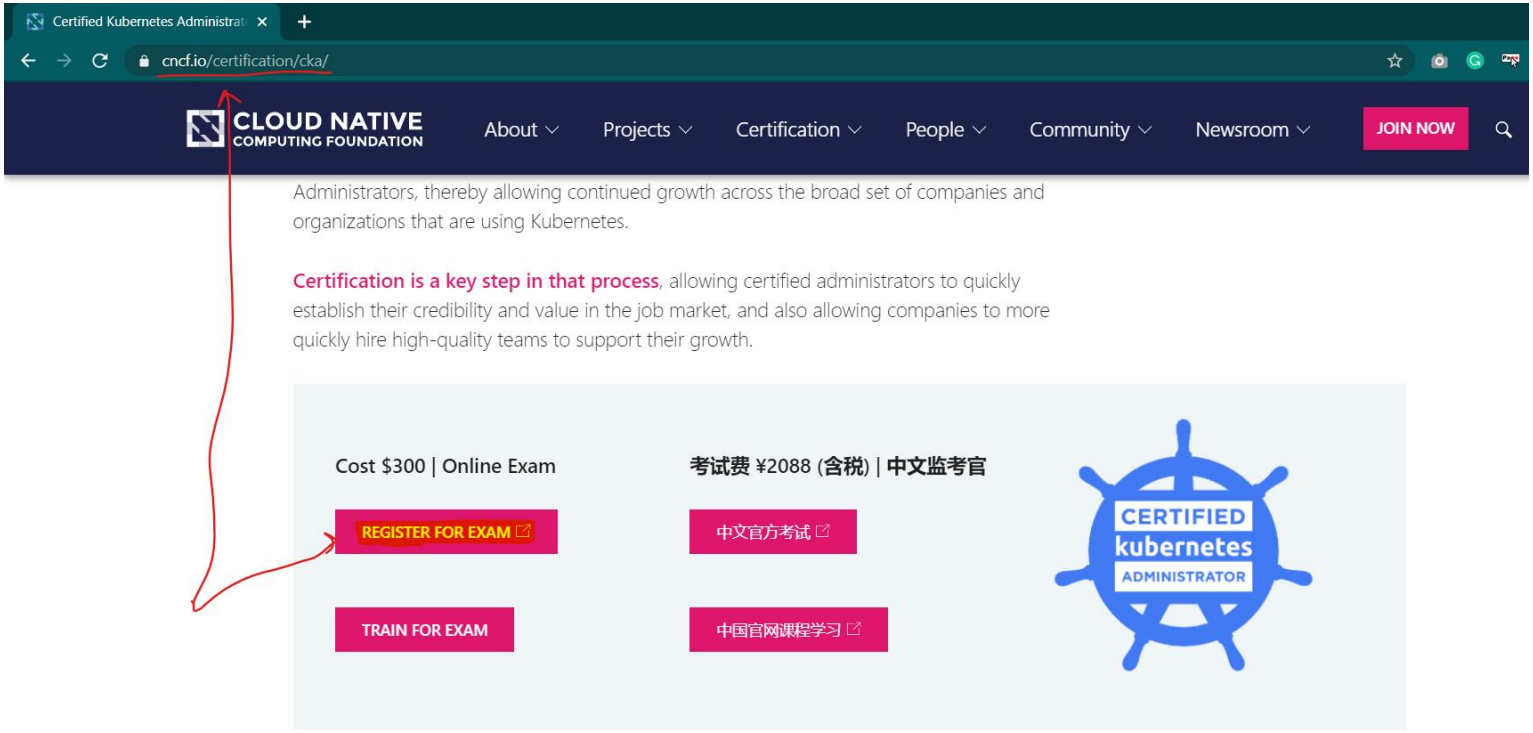
For any issues/h

Contents

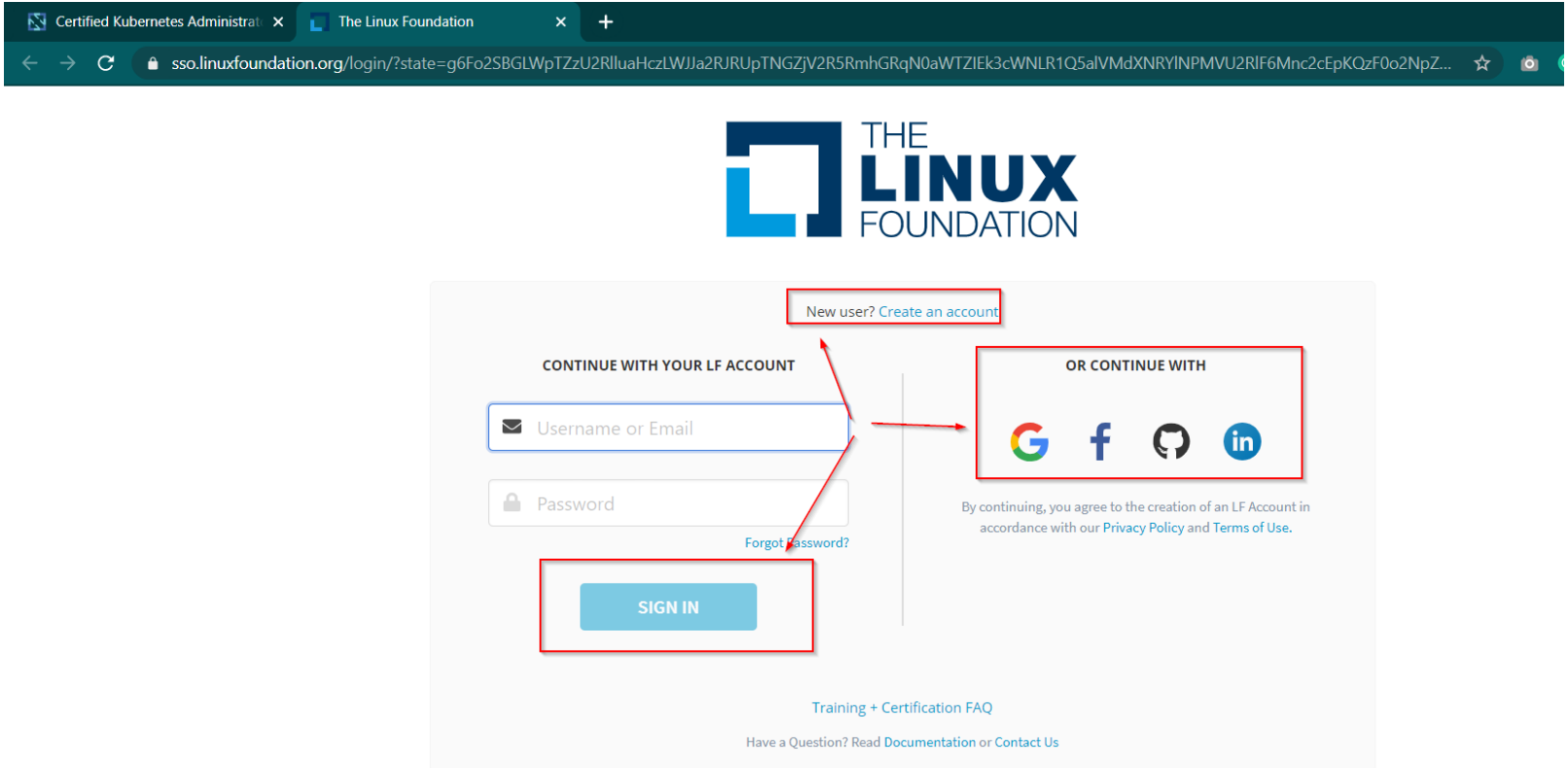
K21Academy
Learn Cloud from Experts

Register for CKA & CKAD Certification Exam

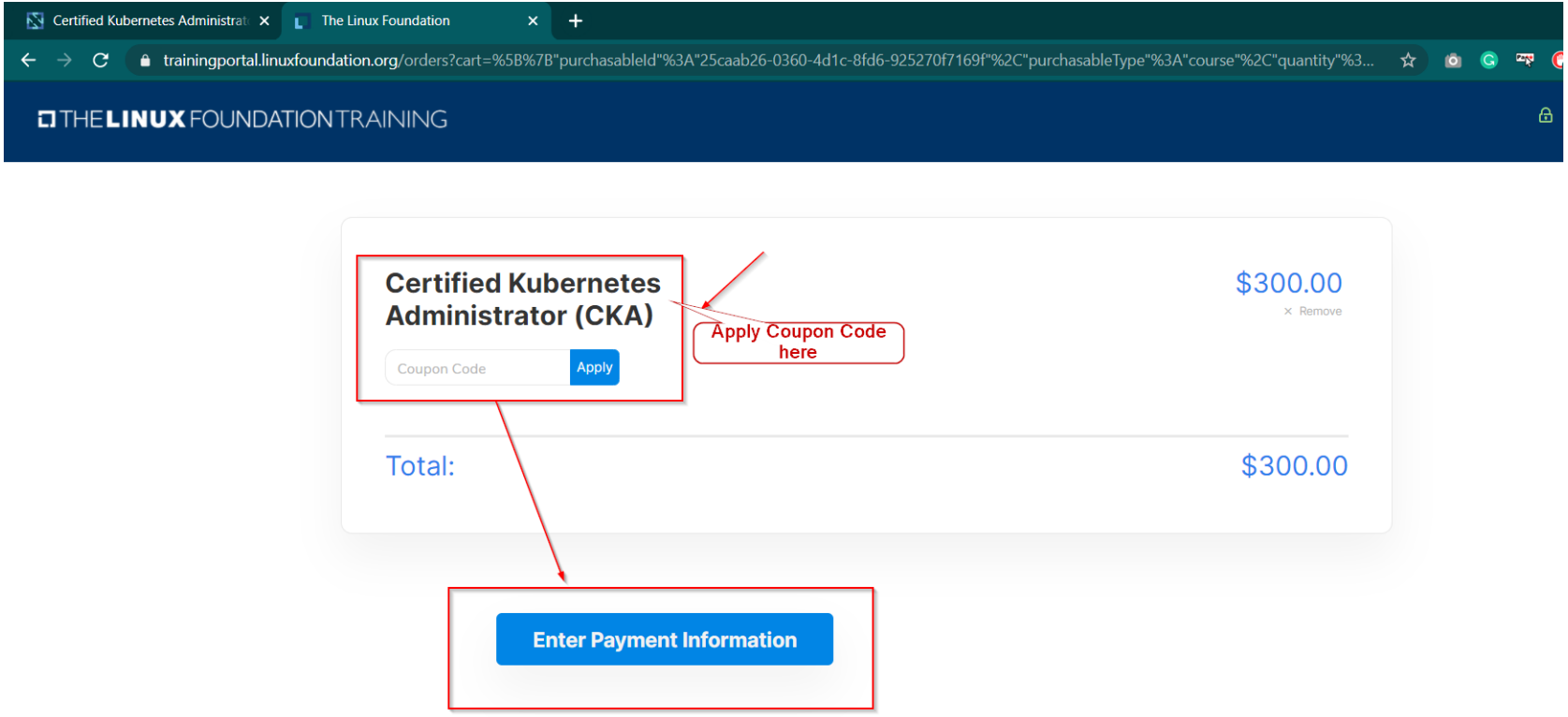
Step 1: Register for the Exam



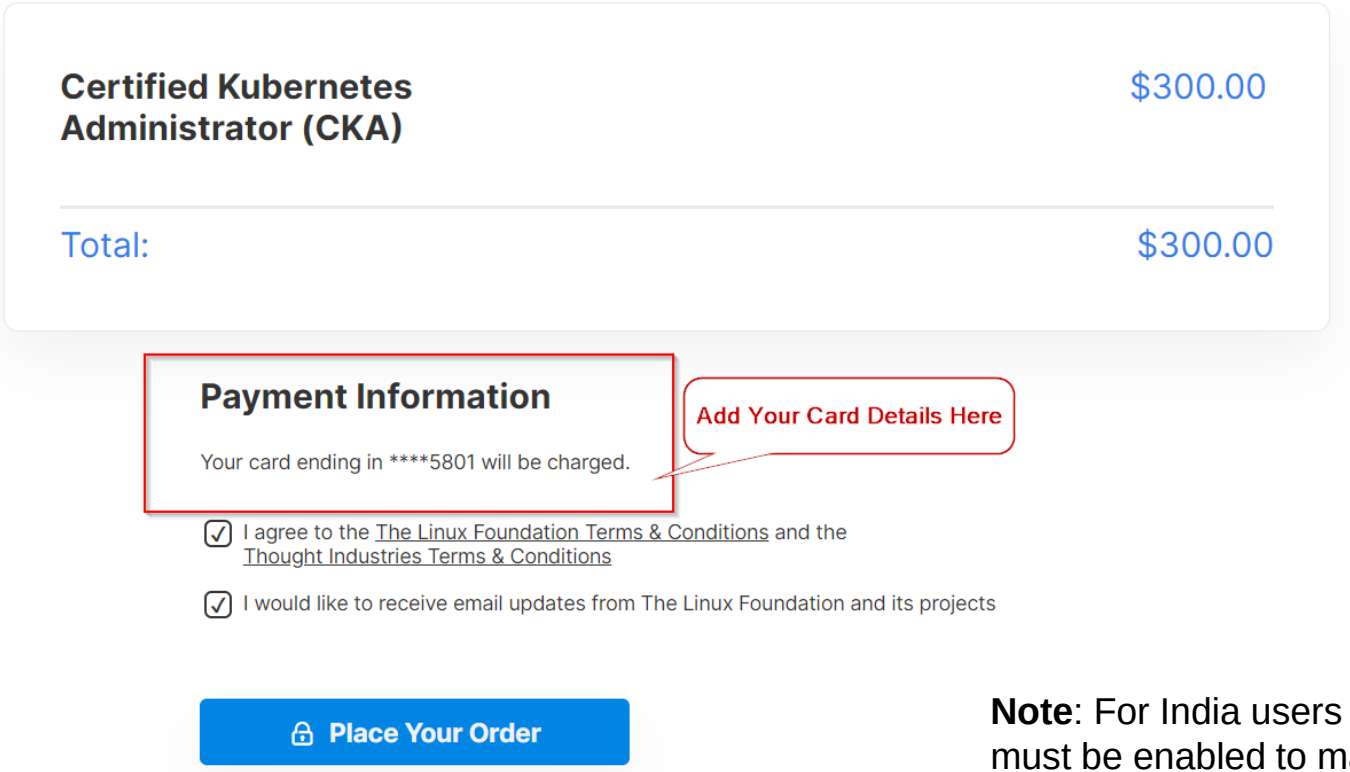
Step 2: Login to Linux Foundation



Step 3: Apply Coupon Code

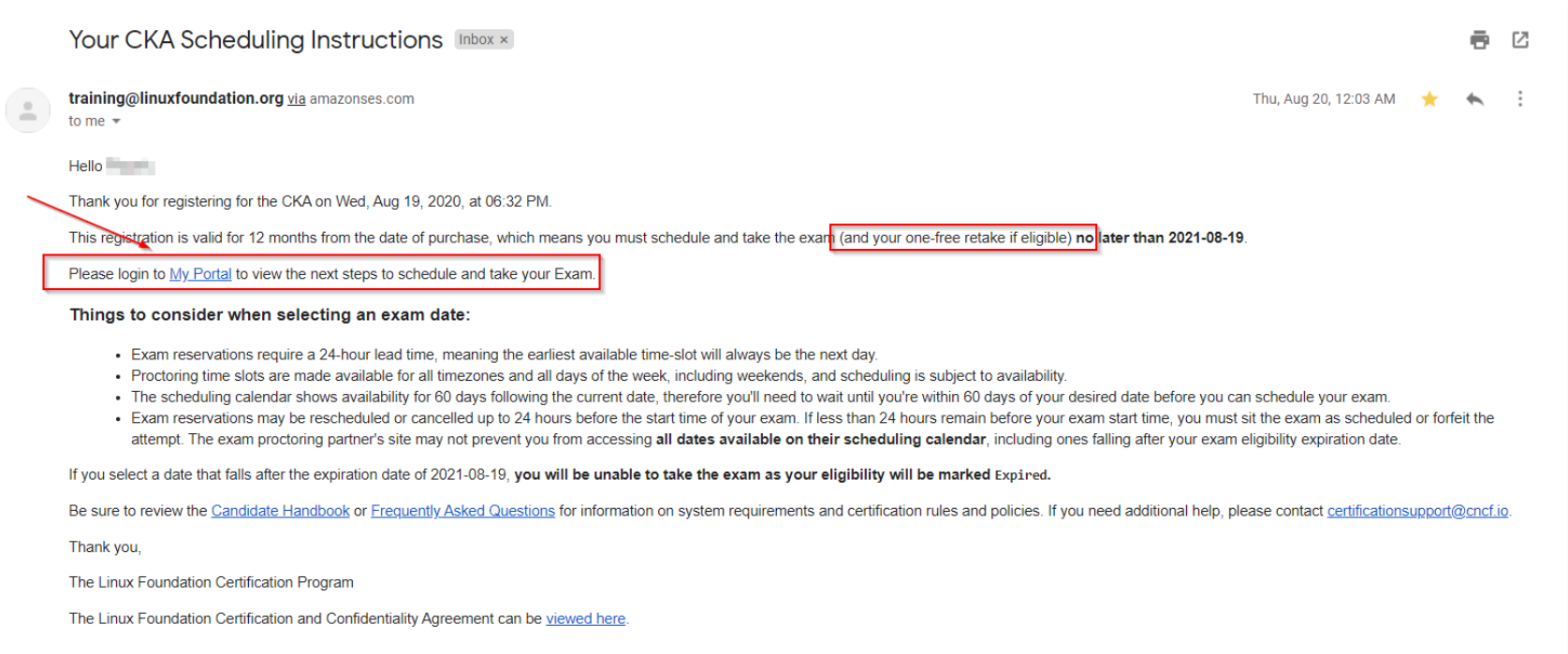


Step 4: Add Card Details



Note: For India users International transaction must be enabled to make payment.

Step 5: Mail for Scheduling Instruction



Your CKA Scheduling Instructions Inbox ×

training@linuxfoundation.org via amazonses.com
to me

Thu, Aug 20, 12:03 AM

Hello [redacted]

Thank you for registering for the CKA on Wed, Aug 19, 2020, at 06:32 PM.

This registration is valid for 12 months from the date of purchase, which means you must schedule and take the exam (and your one-free retake if eligible) **no later than 2021-08-19**.

Please login to My Portal to view the next steps to schedule and take your Exam.

Things to consider when selecting an exam date:

- Exam reservations require a 24-hour lead time, meaning the earliest available time-slot will always be the next day.
- Proctoring time slots are made available for all timezones and all days of the week, including weekends, and scheduling is subject to availability.
- The scheduling calendar shows availability for 60 days following the current date, therefore you'll need to wait until you're within 60 days of your desired date before you can schedule your exam.
- Exam reservations may be rescheduled or cancelled up to 24 hours before the start time of your exam. If less than 24 hours remain before your exam start time, you must sit the exam as scheduled or forfeit the attempt. The exam proctoring partner's site may not prevent you from accessing **all dates available on their scheduling calendar**, including ones falling after your exam eligibility expiration date.

If you select a date that falls after the expiration date of 2021-08-19, **you will be unable to take the exam as your eligibility will be marked** `Expired`.

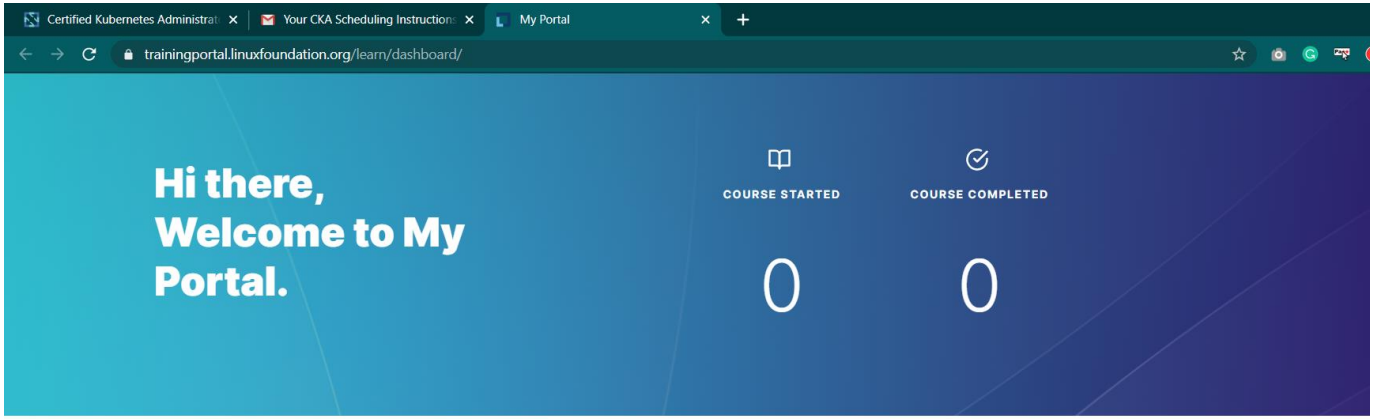
Be sure to review the Candidate Handbook or Frequently Asked Questions for information on system requirements and certification rules and policies. If you need additional help, please contact certificationsupport@cncf.io.

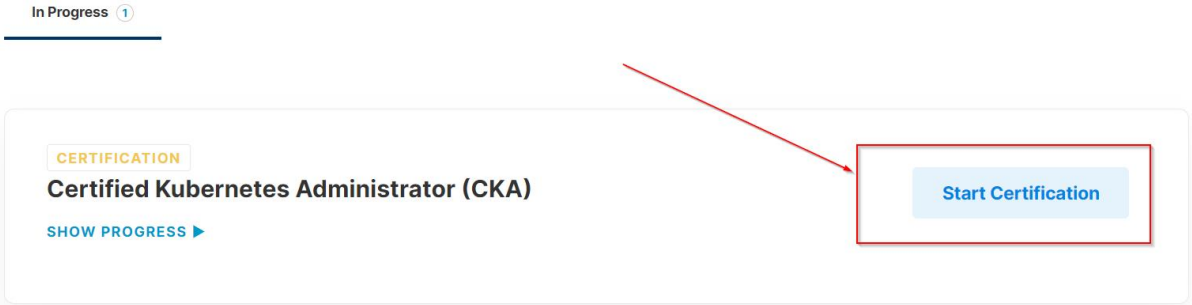
Thank you,

The Linux Foundation Certification Program

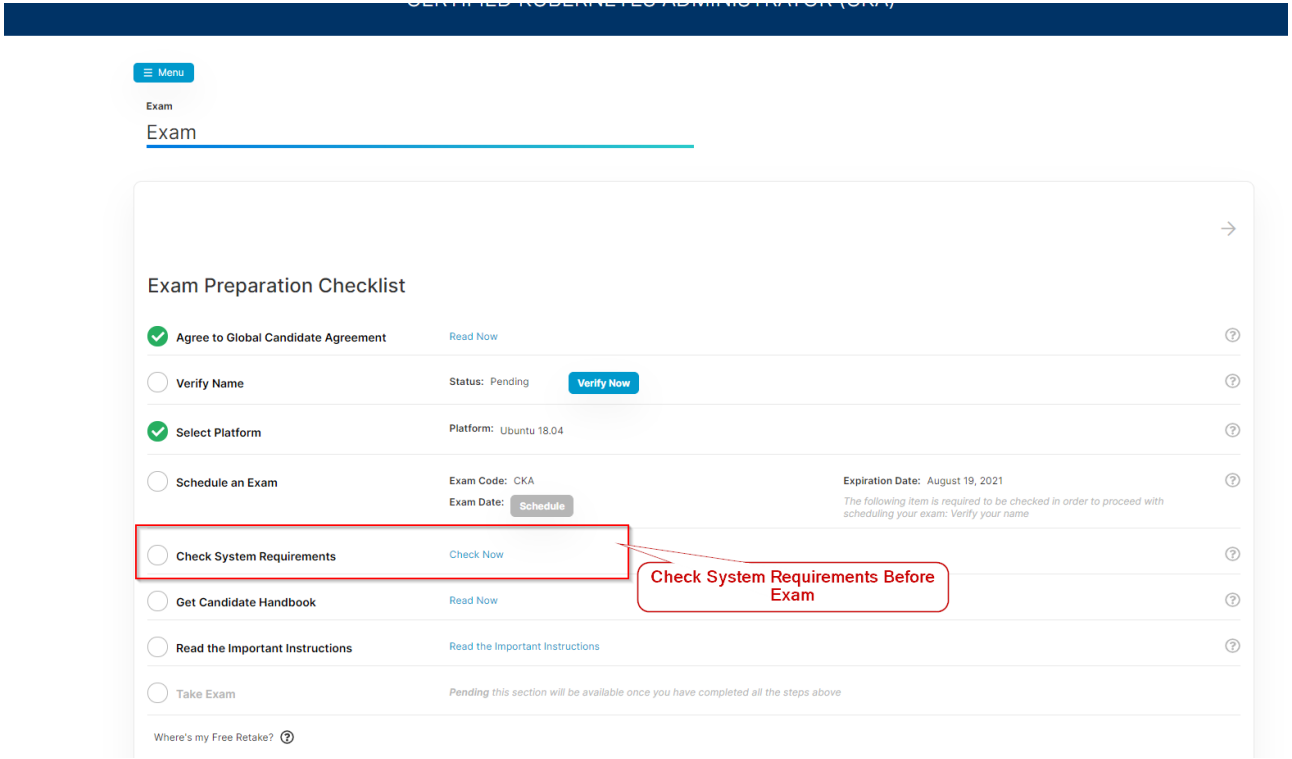
The Linux Foundation Certification and Confidentiality Agreement can be viewed here.

Step 6: Schedule Exam

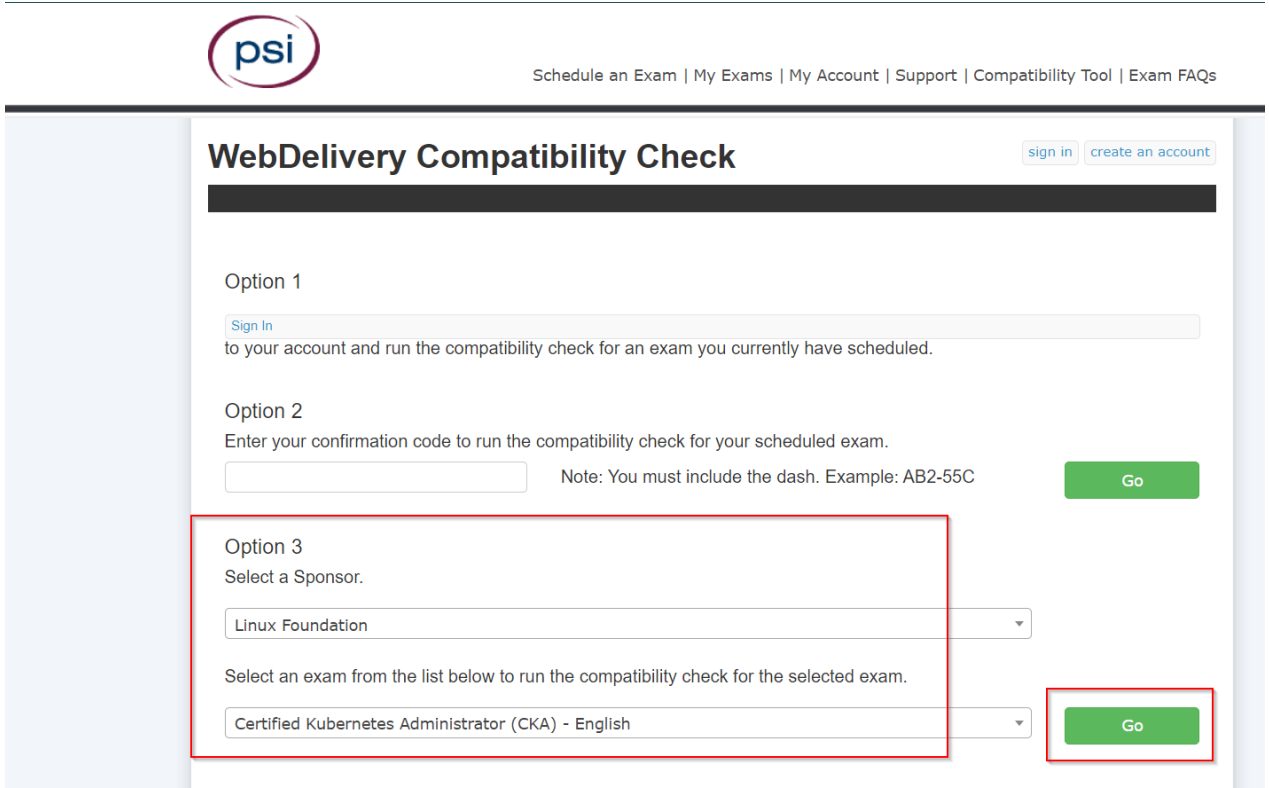




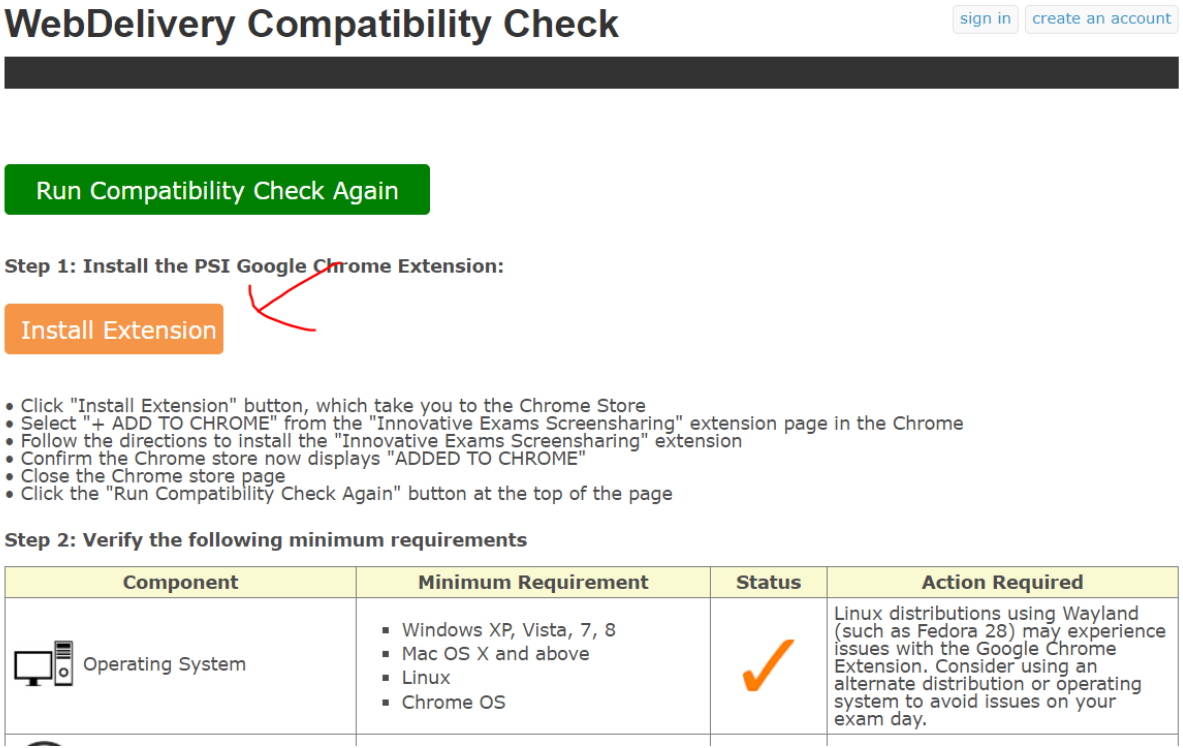
Step 7: Schedule Exam



Step 8: Run System Check

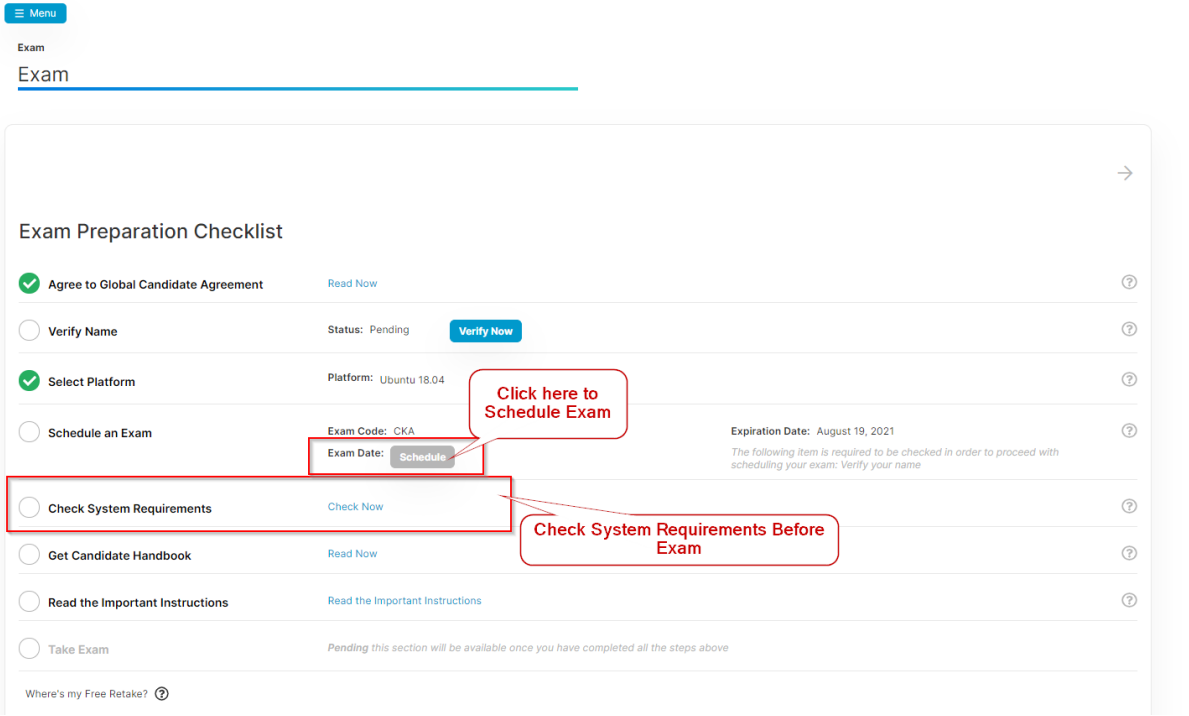


Step 9: Install Extension

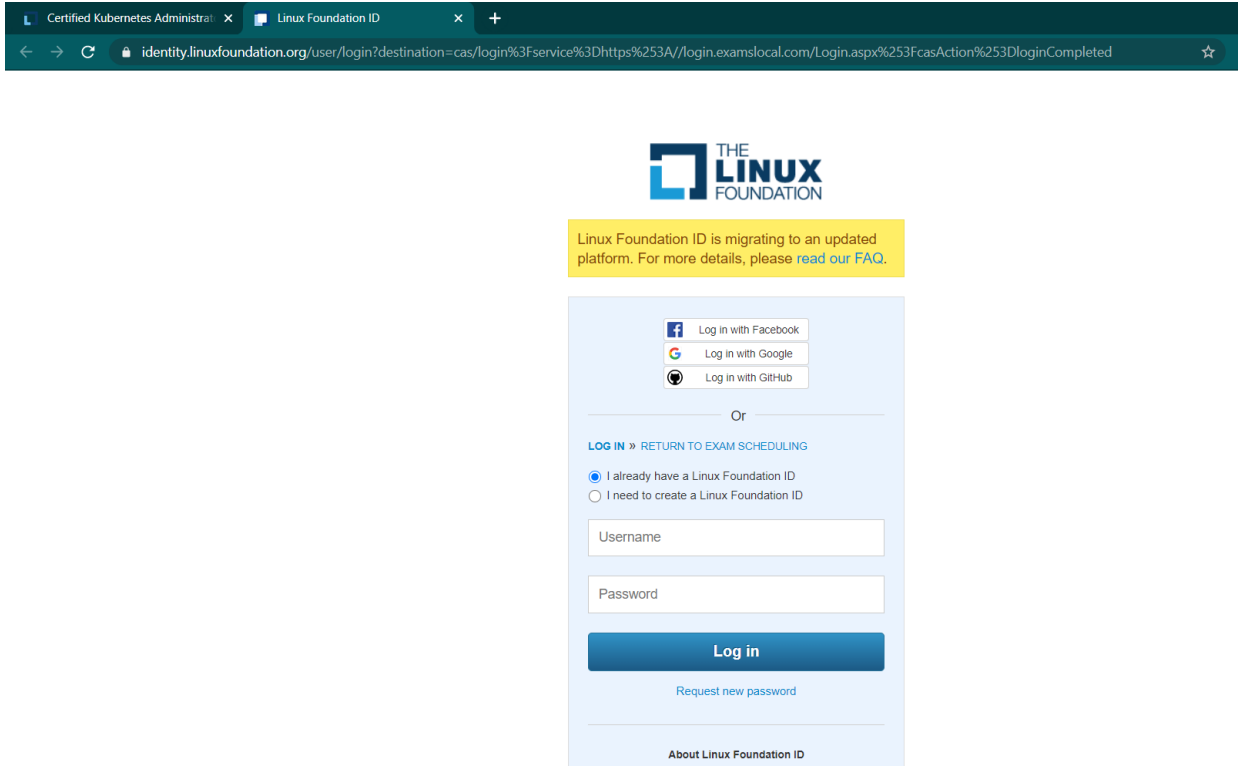


Note: Windows 10 also supported

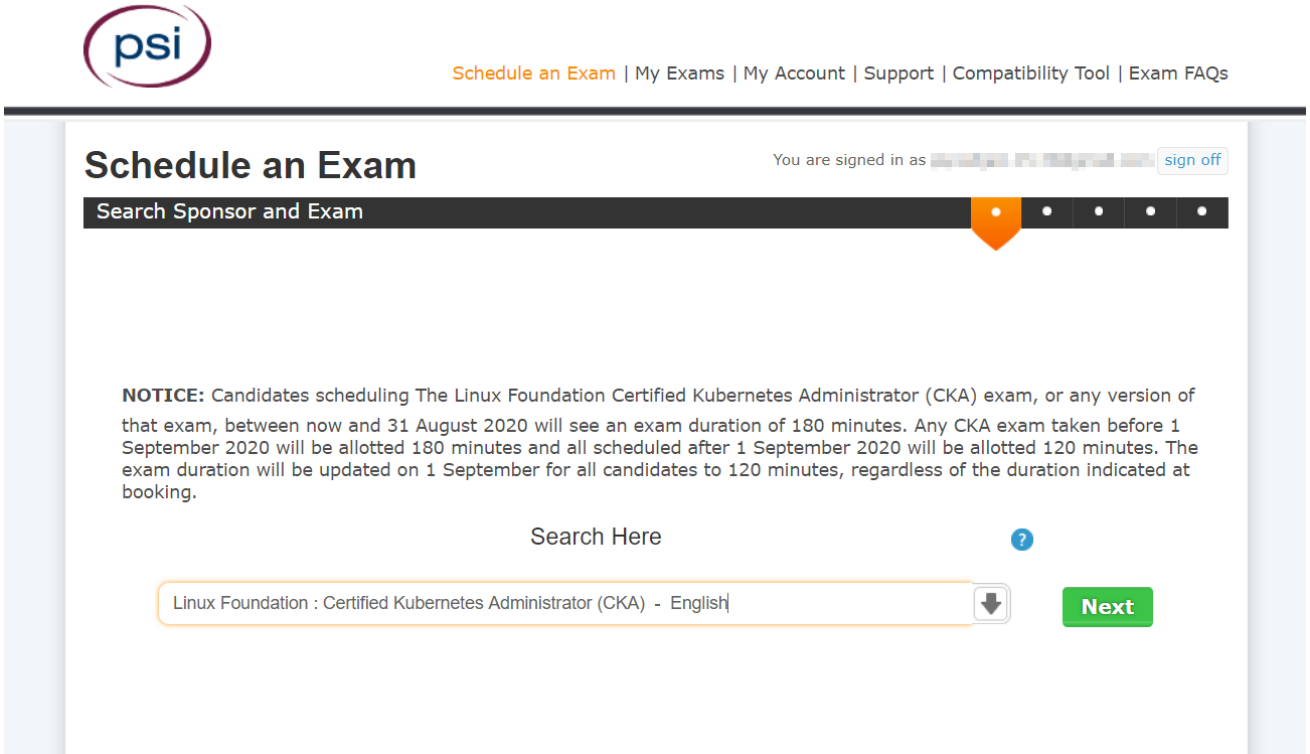
Step 10: Schedule Exam



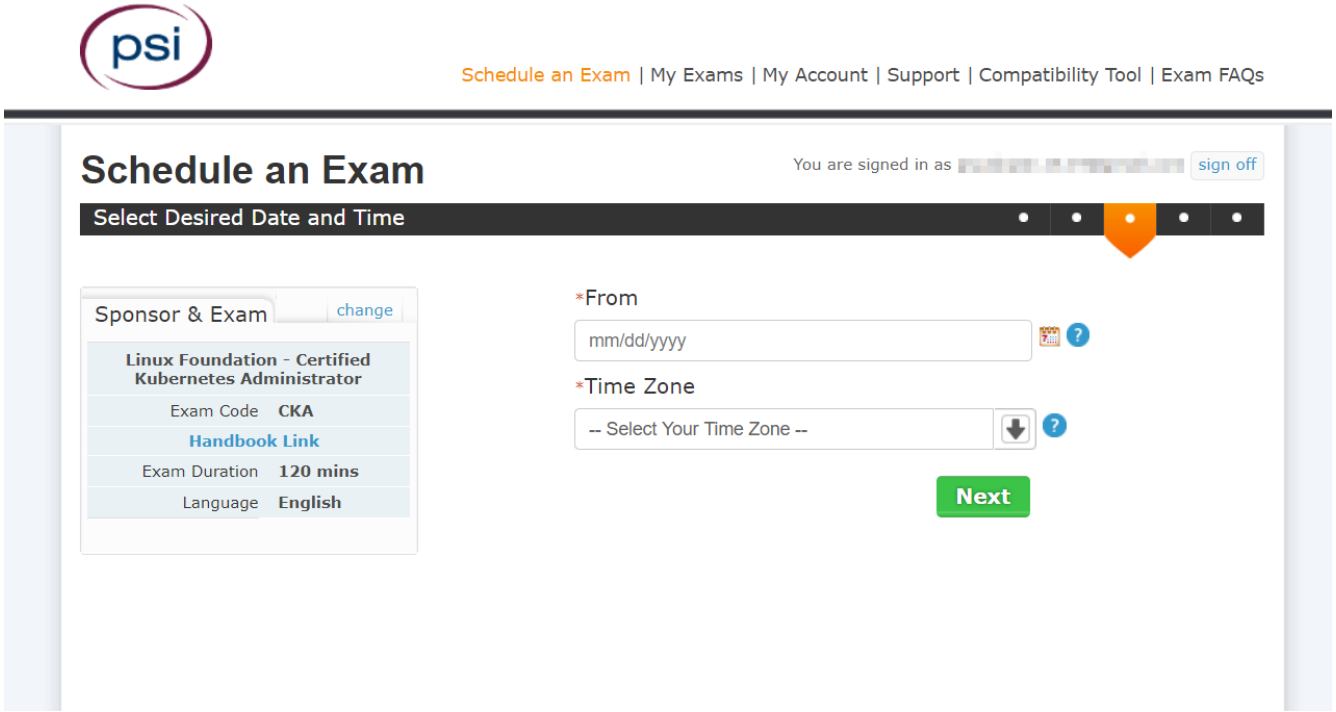
Step 11: Login to Linux Found.



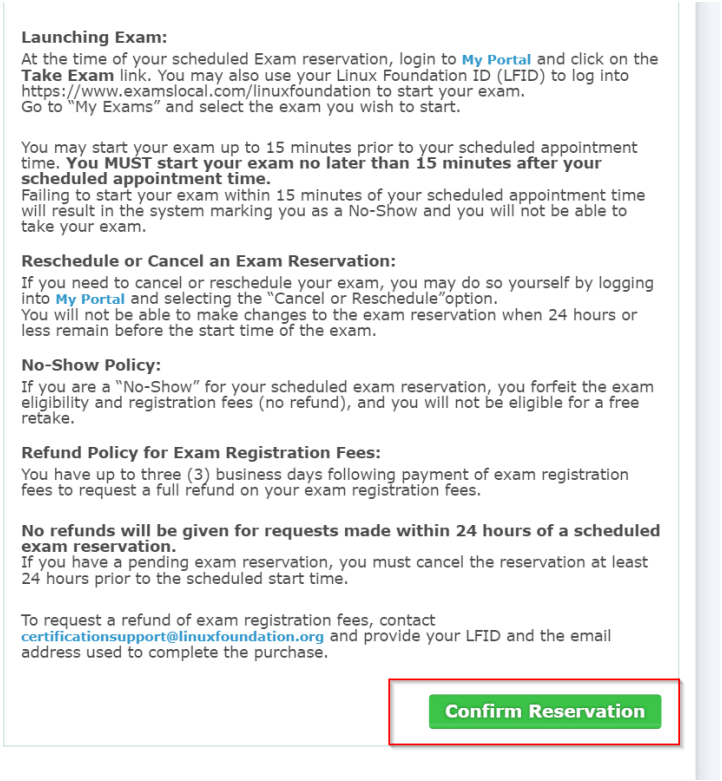
Step 12: Select CKA Exam from List



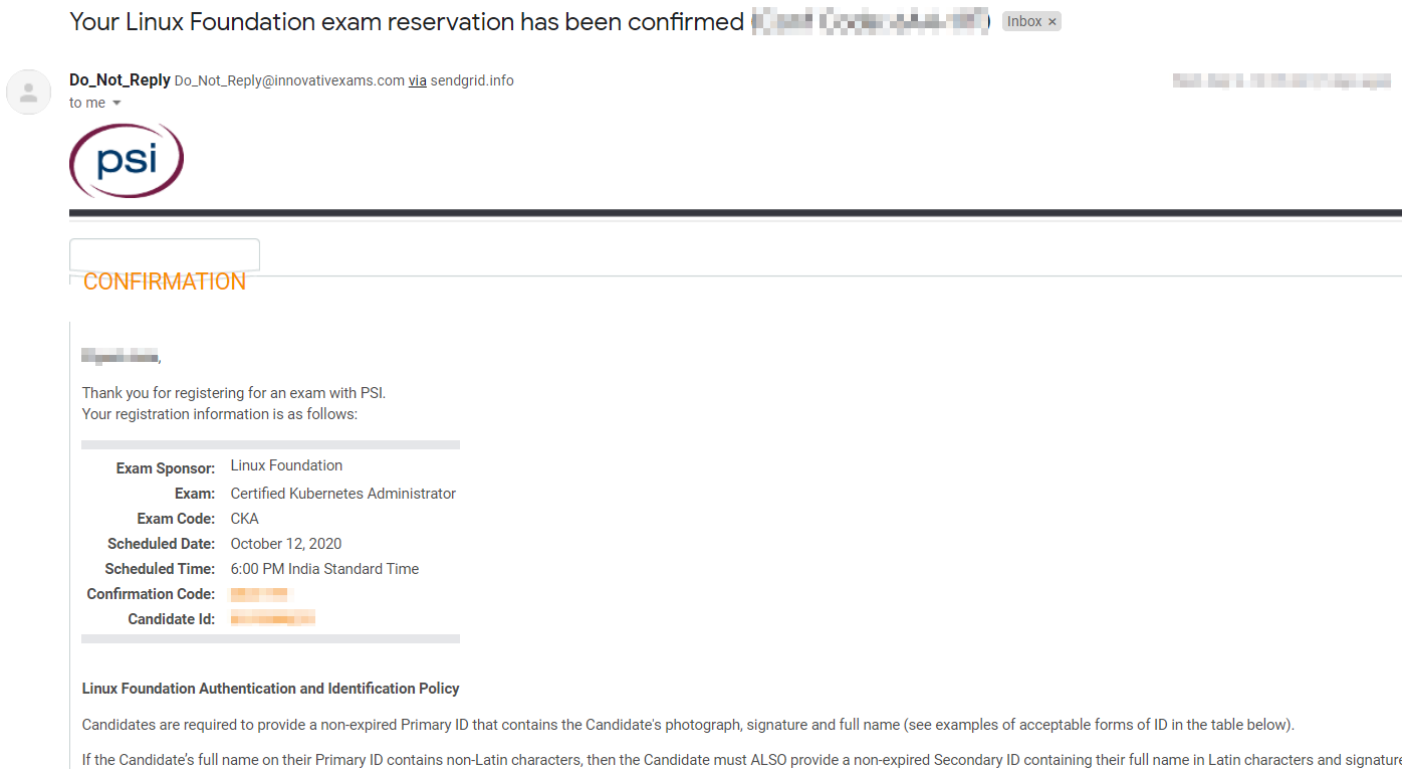
Step 13: Select Date & Time Zone



Step 14: Confirm Reservation



Step 15: Confirm Reservation



Your Linux Foundation exam reservation has been confirmed [redacted] Inbox ×

Do_Not_Reply Do_Not_Reply@innovativexams.com via sendgrid.info
to me

psi

CONFIRMATION

[redacted],

Thank you for registering for an exam with PSI.
Your registration information is as follows:

Exam Sponsor:	Linux Foundation
Exam:	Certified Kubernetes Administrator
Exam Code:	CKA
Scheduled Date:	October 12, 2020
Scheduled Time:	6:00 PM India Standard Time
Confirmation Code:	[redacted]
Candidate Id:	[redacted]

Linux Foundation Authentication and Identification Policy

Candidates are required to provide a non-expired Primary ID that contains the Candidate's photograph, signature and full name (see examples of acceptable forms of ID in the table below).

If the Candidate's full name on their Primary ID contains non-Latin characters, then the Candidate must ALSO provide a non-expired Secondary ID containing their full name in Latin characters and signature

Step 16: Reschedule Again