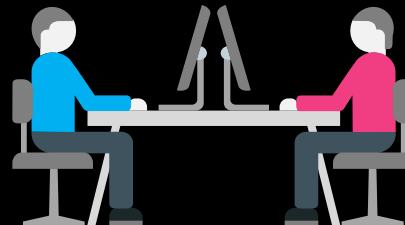


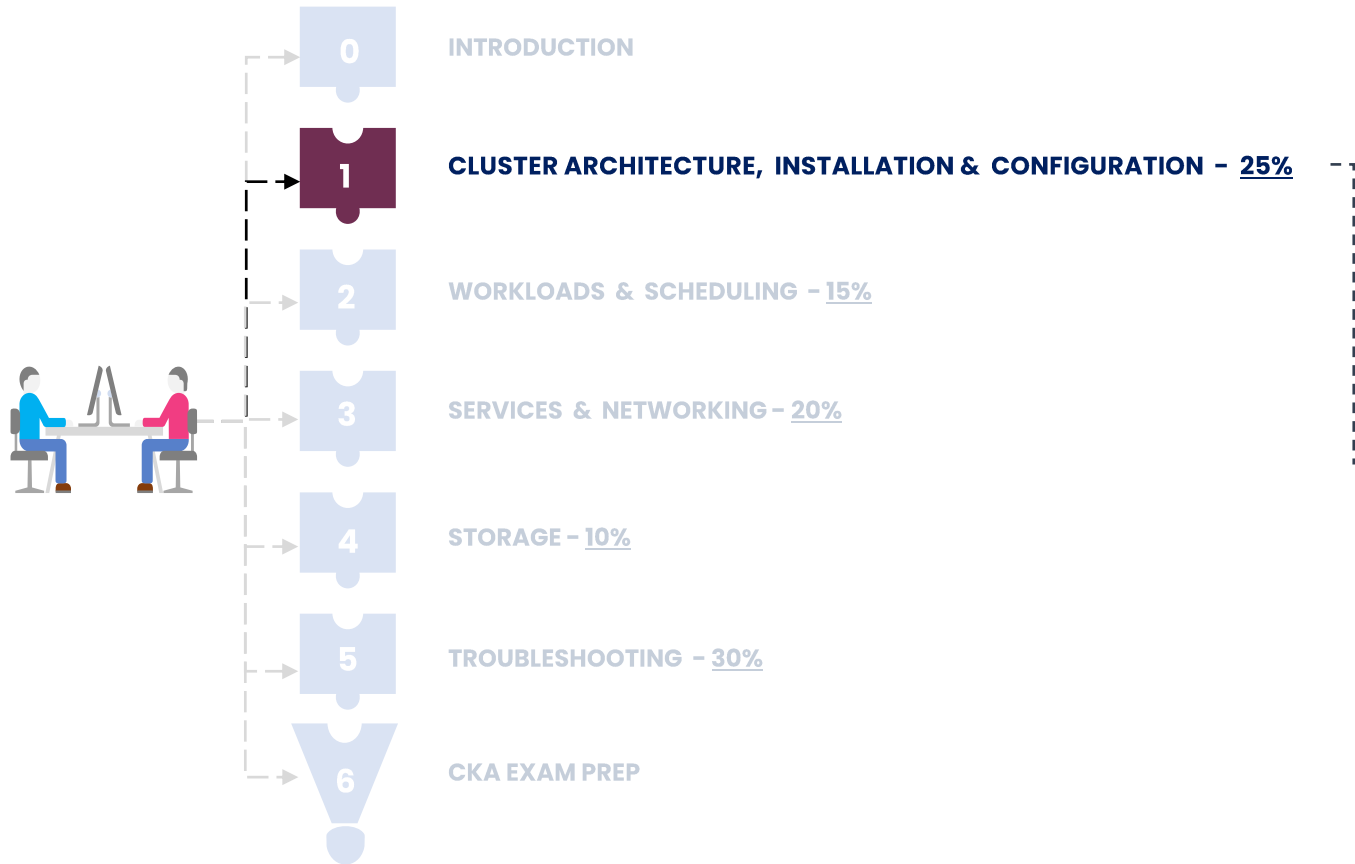


Section-1

Cluster Architecture, Installation & Config

Ultimate CKA™
Certified Kubernetes Administrator





1. CLUSTER ARCHITECTURE, INSTALLATION & CONFIG (25%)

- a. Kubernetes Architecture: Overview & In-depth
- b. Installing K8s Cluster using Kubeadm
 - I. Provisioning: Overview & Demo
 - II. Installing & Configuring K8s Cluster using Kubeadm: Overview & Demo
 - III. Validating K8s Cluster: Overview & Demo
- c. Installing K8s Cluster on GKE: Demo
- d. Pods: Overview | Lifecycle | YAML | Tasks | Demo | Exercises | Further Reading
- e. ReplicaSet: Overview | YAML | Tasks | Demo | Exercises | Further Reading
- f. Namespaces: Overview | YAML | Tasks | Demo | Exercises | Further Reading
- g. Upgrading K8s Cluster: Overview | Tasks | Demo | Exercises | Further Reading
- h. ETCD - Backup & Restore: Overview | Tasks | Demo | Exercises | Further Read
- i. Manage a highly-available Kubernetes cluster: Overview | Further Read
- j. RBAC:
 - I. RBAC Overview
 - II. Role & Role Binding: Overview | Demo | Exercises | Further Read
 - III. Cluster Role & ClusterRoleBinding: Overview | Demo | Exercises | Further Read