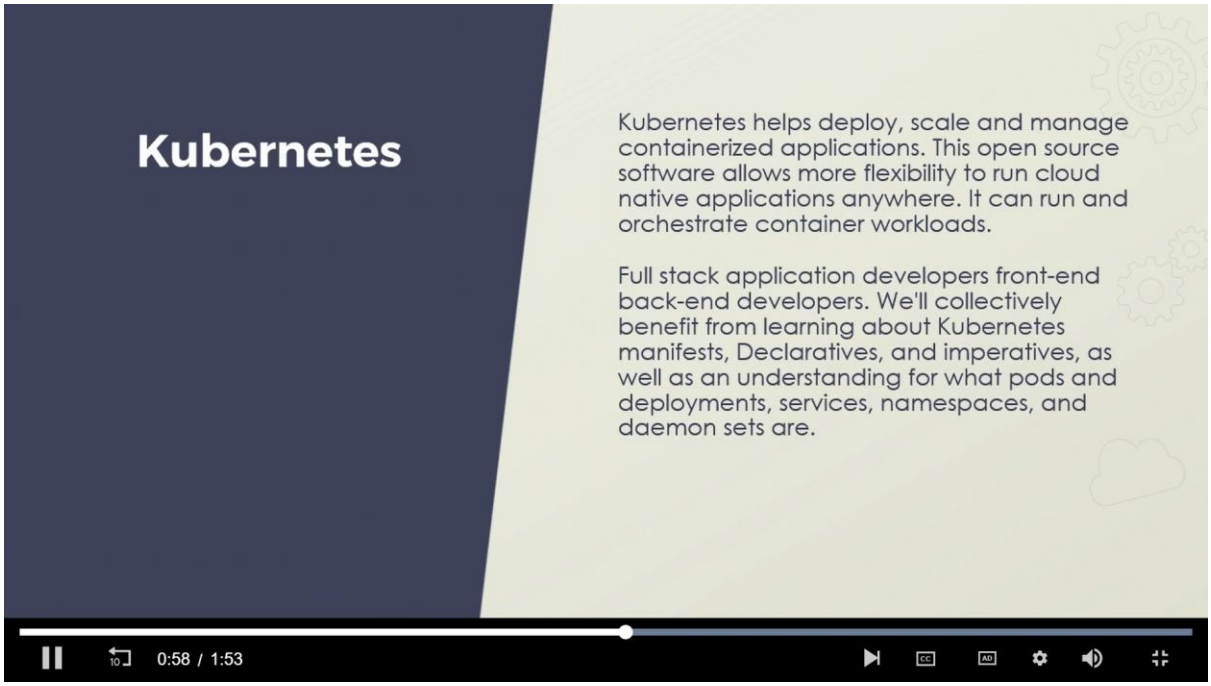
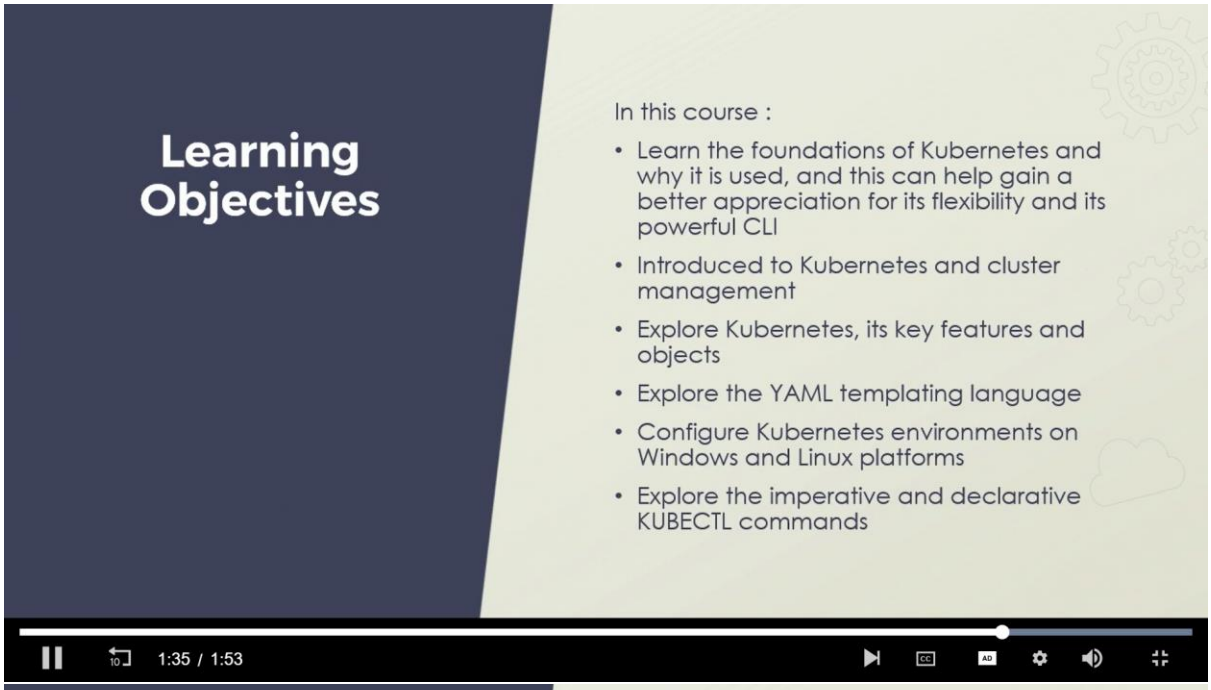
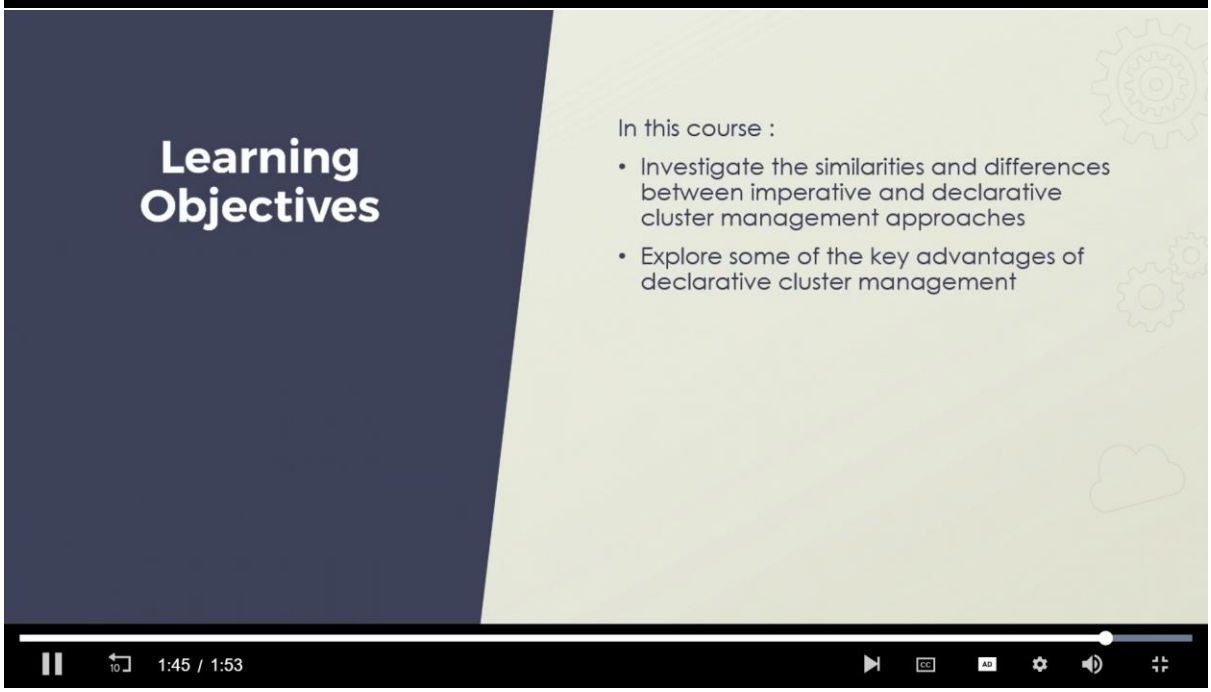
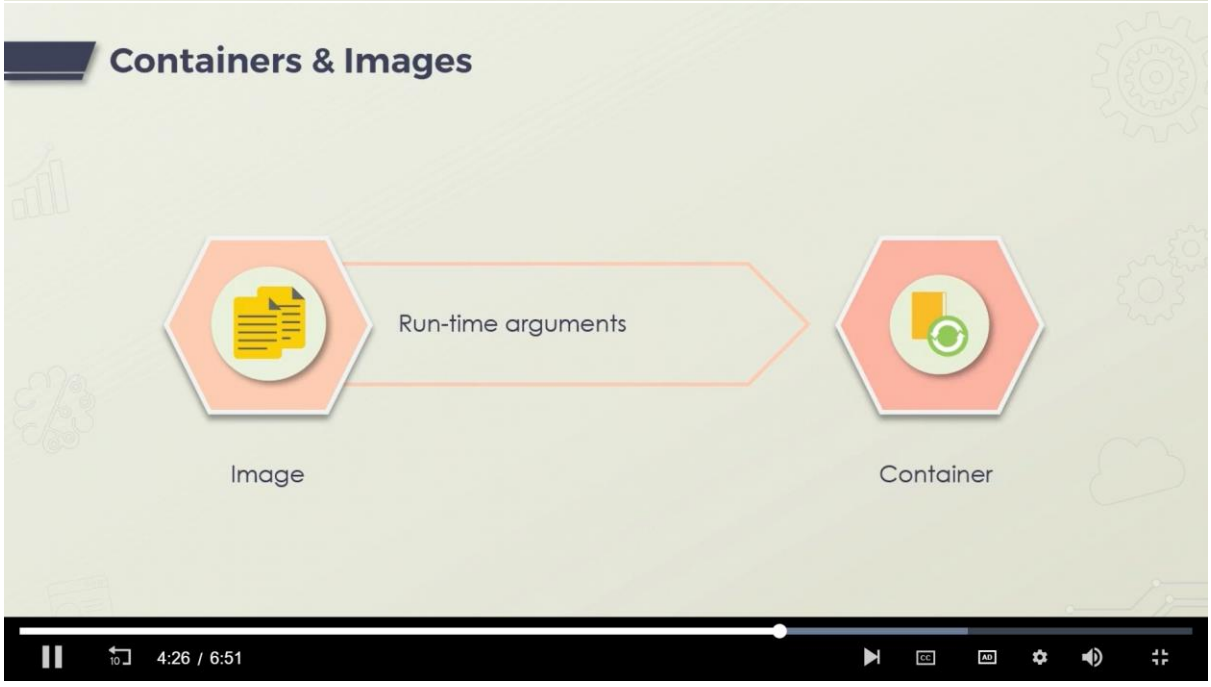
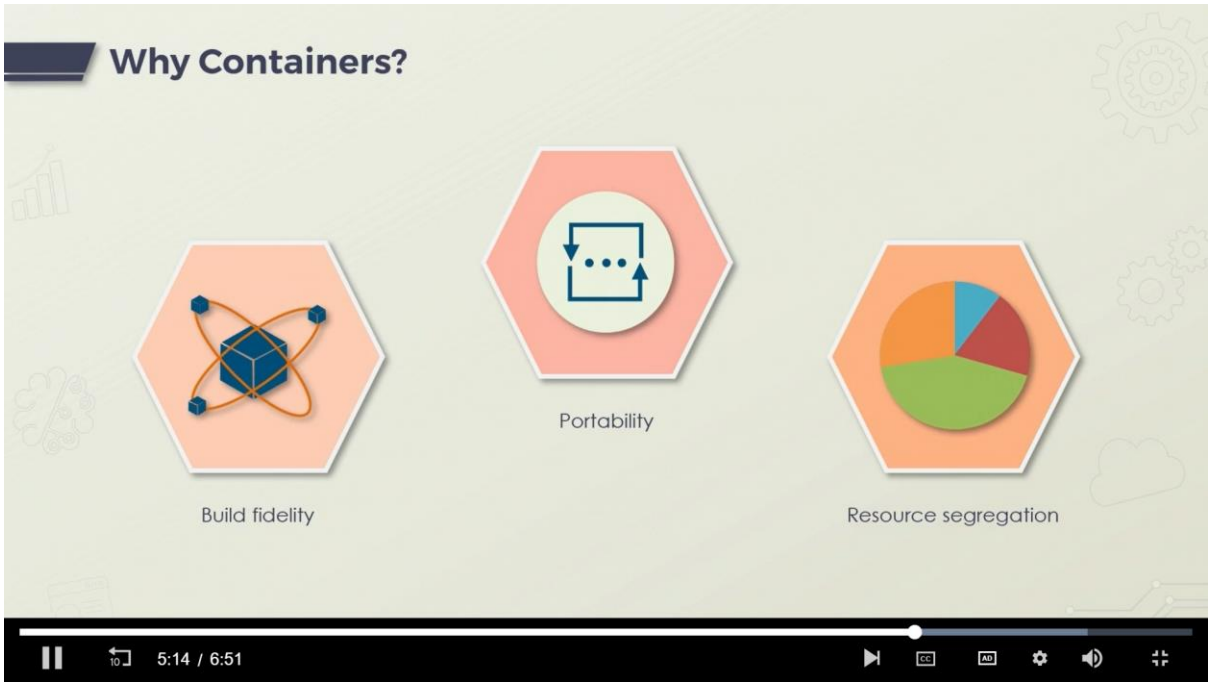

Kubernetes
Kubernetes helps deploy, scale and manage containerized applications. This open source software allows more flexibility to run cloud native applications anywhere. It can run and orchestrate container workloads.
Full stack application developers front-end back-end developers. We'll collectively benefit from learning about Kubernetes manifests, Declaratives, and imperatives, as well as an understanding for what pods and deployments, services, namespaces, and daemon sets are.
0:58 / 1:53

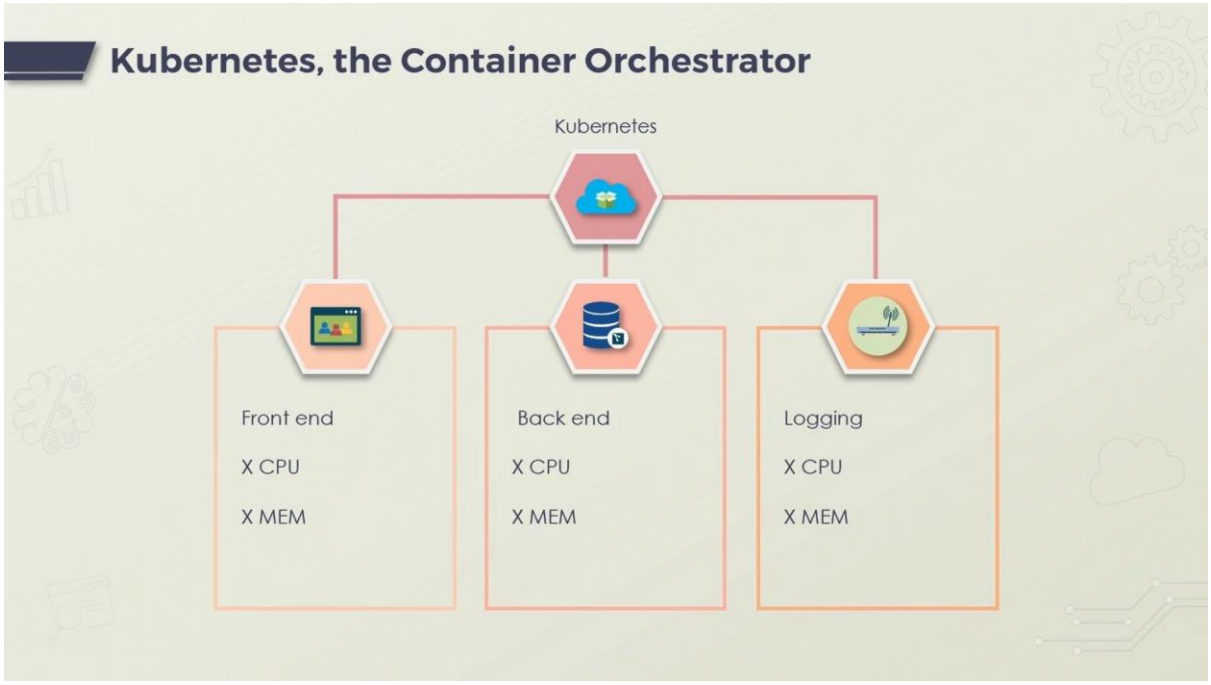

Learning Objectives
In this course :
• Learn the foundations of Kubernetes and why it is used, and this can help gain a better appreciation for its flexibility and its powerful CLI
• Introduced to Kubernetes and cluster management
• Explore Kubernetes, its key features and objects
• Explore the YAML templating language
• Configure Kubernetes environments on Windows and Linux platforms
• Explore the imperative and declarative KUBECTL commands
1:35 / 1:53


Learning Objectives
In this course :
• Investigate the similarities and differences between imperative and declarative cluster management approaches
• Explore some of the key advantages of declarative cluster management
1:45 / 1:53


Problems of the Past
Reliability & availability
Resource contention
Cost


Containers & Images
Run-time arguments
Image
Container
4:26 / 6:51

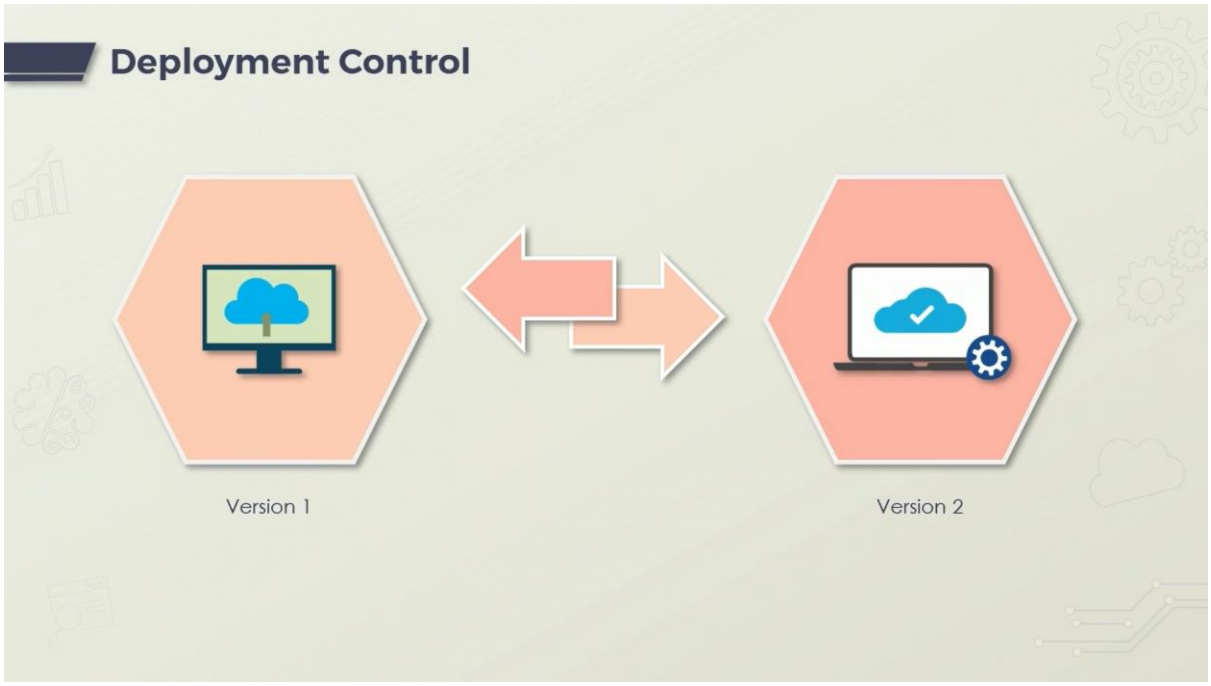




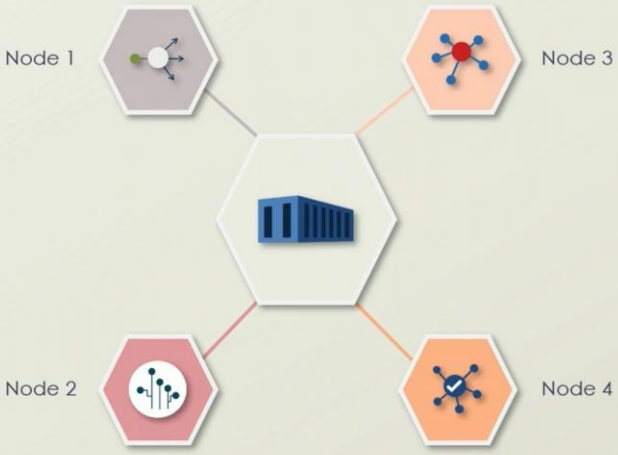
Key Features of Kubernetes

Key Features of Kubernetes

Application Scaling


Deployment Control
Version 1
Version 2

Bin Packing to Optimize Resources



Load Balancing