Summary

- Containers differ from VMs by providing only the necessary runtime dependencies, such as the required application-specific libraries for a program to run, rather than a full operating system.

- Use container images to create container instances. Container instances are executable versions of the image, and include references to networking, disks, and other runtime necessities.

- Podman is a container engine to build and run containers on an individual host.

- Kubernetes and Red Hat OpenShift Container Platform (RHOCP) orchestrate containers across multiple hosts called *nodes*.

- RHOCP is a set of modular components and services that are built on top of Kubernetes to add capabilities for the following features:

  - Remote management

  - Multiple tenants

  - Increased security

  - Continuous integration

  - Continuous development