Red Hat

5 things to know about building and certifying Linux containers

Let's build better, together.

Build, certify, and distribute your Linux® containers on Red Hat® platforms to offer your customers more flexibility, scalability, and freedom from vendor lock-in.

One:
The basics

Linux containers package and isolate applications with their dependencies to simplify deployment. Containers are a key factor for effective hybrid cloud and microservices architecture adoption.

60%
of organizations have deployed containers today.[1]

98%
of organizations plan to use containers within two years.[1]

1.9 billion
enterprise containers will be deployed by 2023.[2]

Two:
The containers

As a long-standing Linux expert, Red Hat offers an enhanced docker-compatible container architecture and lightweight, open standards-based **container toolkit**.

Buildah
Build and modify containers without any daemon or docker while preserving your dockerfile workflow.

Podman
Manage daemonless containers using a docker-compatible command-line interface (CLI).

CRI-O
Manage and run Open Container Initiative (OCI) compliant containers in Kubernetes environments.

Three:
The tools

Red Hat provides a portfolio of **development tools** and **base operating system** images to help you more easily build and distribute containers on a consistent, trusted Linux foundation.

CodeReady Containers
Run Red Hat OpenShift® on your local development system.

CodeReady Workspaces
Deploy consistent, zero-configuration development environments.

Red Hat Universal Base Images (UBI)
Build your containers once and freely distribute them on many platforms.

Four:
The certification

Customers choose certified solutions for increased interoperability, security, and support. Certifying your container images with Red Hat platforms delivers measurable business value.

Container portability
Build once and deploy your apps across hybrid clouds.

Red Hat Build Service
Enhance security with automatic image updates.

Collaborative support
Improve support with a freeTSANet membership.

Product promotion
Promote your solutions in the Red Hat Ecosystem Catalog.

Visit **Red Hat Partner Connect** and read the **certification guide** to learn more about certifying.

Five:
The starting points

No matter where you are in your partnership with Red Hat, you can start certifying your containers today.
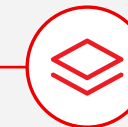
Read the **Ten layers of container security detail**.

Watch the **Podman overview video**.

Download the **Podman basics cheat sheet**.

Get started with three **universal base images**.

Promote your products with Red Hat certifications.
It's easier than ever to develop and certify your Linux containers with Red Hat.

Learn more about certifying your containers:
red.ht/ContainerCert