

5 steps to migrate to Red Hat OpenShift 4

Red Hat® OpenShift® 3 will enter the [extended life phase](#) in June 2022. In this phase of the product life cycle, no additional security patches, bug fixes, certifications, hardware enablement or any other feature enhancements will be delivered.

Migrate your applications to Red Hat OpenShift 4 and take advantage of innovative capabilities such as Operators, serverless and service mesh, and automated installation and upgrades. Migrating to Red Hat OpenShift 4 can alleviate the challenges of trying to manually support your organization's current needs and provides an adaptable platform for the future. Red Hat OpenShift 4 is a security-focused hybrid cloud platform that can help your organization increase IT efficiency and developer productivity, so you can deliver business value rapidly.

Plan your migration to Red Hat OpenShift 4 with the following steps.

1 Awareness and education

Learn about [Red Hat OpenShift 4](#) and understand the benefits for your organization.

- ▶ Read [documentation](#), watch [demonstrations](#), and attend [training courses](#).
- ▶ Speak to [peers](#) in your industry about best practices.
- ▶ Discover and assess new and related offerings, including [cloud services](#).

2 Sandbox testing

Become familiar with Red Hat OpenShift 4 and its concepts using sandbox and test environments. Read documentation, watch demonstrations, and attend training courses.

- ▶ Get started with a [free trial](#), [interactive learning scenarios](#), or using a [sandbox environment](#).
- ▶ [Install Red Hat OpenShift 4](#) in your lab to identify potential issues and settings for configuration.
- ▶ Map your Day 2 operations—monitoring, creating backups, recovery, capacity management, and performance tuning—to Red Hat OpenShift 4 capabilities.

3 Automation and process review

Assess your applications and capabilities to help develop a plan for your migration.

- ▶ Evaluate your architecture, including resources, external network configurations, storage for stateful applications, and network traffic redirection options.
- ▶ Plan each application's migration, whether redeploying with a [continuous integration/continuous deployment \(CI/CD\) pipeline](#) or using the [Migration Toolkit for Containers \(MTC\)](#) to move applications between clusters.
- ▶ Get a [Red Hat Advanced Cluster Management for Kubernetes](#) subscription at no cost to help you import and manage your clusters more easily.

4 Setup and certification

Set up Red Hat OpenShift 4 clusters, certify the platform, and validate your workloads and processes.

- ▶ Certify Red Hat OpenShift 4 according to your organization's processes.
- ▶ Validate your applications, workloads, and processes with Red Hat OpenShift 4.
- ▶ Document Day 2 operations, security approaches, and other important information and transfer this knowledge to your operations teams.
- ▶ Perform formal regulatory compliance testing and reporting as needed.

5 Migration

Migrate production workloads from Red Hat OpenShift 3 to Red Hat OpenShift 4.

- ▶ Schedule application migrations or ask application owners to migrate their applications according to your target dates.
- ▶ Migrate all applications and workloads according to your plans.
- ▶ Contact [technical support](#) for help with your migration.

Red Hat provides [resources](#), [training](#), and [services](#) to help you migrate more efficiently.

Customer migration case study: Education Payroll Limited

Education Payroll Limited's digital payroll application, EdPay, was originally deployed on Red Hat OpenShift 3 but migrated to Red Hat OpenShift 4 to take advantage of its enhanced operational capabilities. After migration, user satisfaction increased by 30%, and the organization saved weeks of work with faster application life cycles. New DevOps approaches also improved collaboration among project teams.

Read the [case study](#) to learn more about Education Payroll Limited's experience.

"Before, it could take hours or weeks to set up infrastructure and install the software. With Red Hat OpenShift [4], 30 seconds later I have a fully built server and an application container, with the right versions in the right configuration every time."

—Anna Brodie, Head of Technology and Products, Education Payroll Limited

Get started

Take the first step in your migration to Red Hat OpenShift 4. [Contact a Red Hat representative today.](#)



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Red Hat helps customers standardize across environments, develop cloud-native applications, and integrate, automate, secure, and manage complex environments with [award-winning](#) support, training, and consulting services.

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