

Accelerate development with a unified application platform

Developer productivity is critical to keeping up with market and consumer demands, including the growing popularity of artificial intelligence (AI) applications. Using [Red Hat® Application Foundations](#) with [Red Hat OpenShift®](#) can boost developer productivity through application programming interface (API) management and data streaming—connecting modern development to applications. Read this checklist to discover 5 key tips for using them together.

☒ Develop on premise and in any cloud

Use the cross-platform capabilities of a common set of integration tools, middleware, and application runtimes to build your applications in a way that maximizes flexibility.

Give your teams the flexibility to build and run applications wherever they are needed, including on premise, in a private cloud, or across public cloud providers such as Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform, or IBM Cloud.

With Application Foundations and Red Hat OpenShift, you can help make sure there is consistency across environments for your teams to build and deploy applications with fewer issues.

☒ Standardize to help teams collaborate more effectively

By standardizing your development stack with Application Foundations on Red Hat OpenShift, you get a common set of tools across teams.

This means your platform engineering and development teams can move between projects with less downtime for retraining or adjusting to new architectures.

This consistency not only accelerates development, but also allows you to reallocate resources to the highest-value initiatives—accelerating innovation and delivering greater business benefits.

☒ Adopt cloud-native architectures to modernize applications

Optimize your applications with a cloud-native approach that boosts performance and scalability, and strengthens your security focus.

Application Foundations with Red Hat OpenShift provides a path to modernization, helping businesses to accelerate delivery and operate more efficiently.

With the Red Hat builds of [Quarkus](#) and [OpenJDK](#), included with Application Foundations and Red Hat OpenShift, your teams can build lightweight, container-optimized Java applications, while AI-powered migration and modernization tools help streamline refactoring, deployment, and scaling.

By transitioning away from traditional environments, organizations can take advantage of modern capabilities that help you maintain a focus on security, lower operational overhead, and free up developers to focus on building new applications that generate customer value—rather than maintaining aging systems.

✓ Speed innovation using open source technologies backed by enterprise support

Access the innovation of global open source communities, such as Apache Camel, Apache Kafka, Keycloak, and many others.

Open source communities are a place for developers to continuously build and improve the technologies that power modern applications.

With Application Foundations and Red Hat OpenShift, you get the best of both worlds—access to continuously developed, community-led software with the stability, security focus, and enterprise support of Red Hat.

This means you can confidently adopt some of the most popular and high-value open source solutions, with the convenience of enterprise-grade support from a single trusted source, knowing Red Hat provides the backing, patches, and expertise your teams need to build and scale with confidence.

Which boxes are still unchecked in your cloud-native strategy?

Visit [Red Hat application Foundations](#) page to learn more about how it can increase the productivity of your development teams.

✓ Extend your Red Hat OpenShift environment with powerful middleware tools

Make sure your development teams have the right tools to build and scale cloud-native applications efficiently.

Application Foundations extends Red Hat OpenShift with enterprise integration, real-time messaging, and API management, by providing proven middleware and runtime components to streamline your application development.

This helps not only develop new application capabilities within Red Hat OpenShift, but also aids in migration of traditional environments to cloud-native environments and connecting to traditional applications that are not being modernized.

Running Application Foundations workloads on Red Hat OpenShift provides more efficient usage of Red Hat OpenShift. It allows you to maximize your investment in Red Hat OpenShift through increased workload usage of both your custom application development and the core runtime and middleware services provided by Application Foundations.

Find the latest Red Hat OpenShift news and updates

View the [Red Hat OpenShift blog](#) to discover the latest updates on how your organization can maximize the benefits of Red Hat OpenShift.



About Red Hat

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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