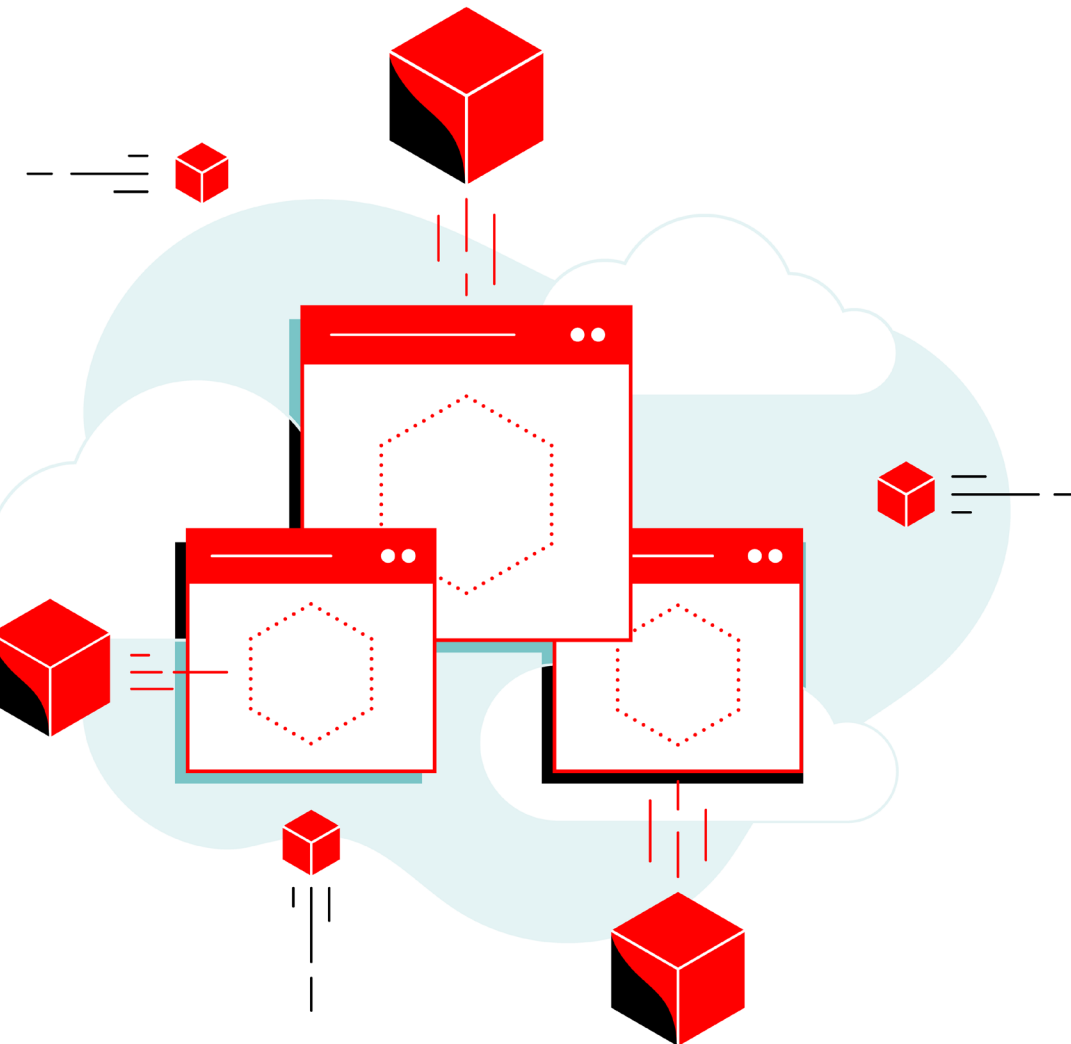


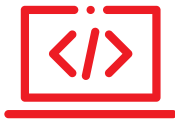


Container Adoption Journey



Facing a competitive landscape

As organizations shift to cloud-native development, they're realizing the need to change their approach to software development.



They need a solution that combines microservices architectures, workflow and pipeline automation, open hybrid cloud platforms, and a team organization that focuses on better supporting customer needs and providing self-service capabilities.

Container platforms are a fast-growing category of enterprise software, offering powerful technology to accelerate the development and delivery of applications. While containers help developers package applications for consistent deployment, they also provide a framework and common language that links development and operations teams.

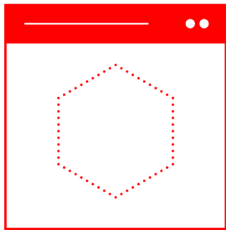
Cloud-native applications rely on containers for a common operational model across technology environments and application portability across different environments and infrastructure, including public, private, and hybrid clouds. The Red Hat® approach of bringing DevOps and cloud technology together has been an effective strategy for organizations to harness the potential of cloud systems and keep pace with market demand.



86%

of survey respondents believe that a **cloud-native development** strategy is **extremely** or **very important** to their company's success.¹

¹ Red Hat. "Red Hat cloud-native development outlook," August 2020.



The road to container adoption

While using container technology can positively impact your business, the road to container adoption can be complex.

To gain the full benefit of containers, you need a flexible program that incrementally delivers:

Infrastructure

A modern, container-based infrastructure with efficient deployment practices and tooling.

Approach

A thoughtful approach to onboarding applications onto that infrastructure.

Posture

An organizational posture that fosters ongoing alignment among business and IT stakeholders.



Spanning a series of agile program increments, Red Hat Services will work with you on all stages of container adoption, from aligning teams around containers, to expanding them in your organization, and ultimately helping to lay the groundwork for self-sustained growth within the business.

Ensure success

We ensure success by creating collaborative relationships with customers and partners around the world to support your journey –how and where you need it.

Amplify with expertise

Our engagement approach gives you the expertise to amplify your capabilities and prepare you to navigate what's next.

Connect the dots

We connect the dots for emerging technology. From architecture through training, we bring together the technologies, people, and methods you need to meet IT challenges.



The Red Hat Services difference

Red Hat Services provides organizations with the advanced container platform approach, training, professional services, change management, and support needed to modernize and streamline application delivery processes.

These solutions help organizations rapidly operationalize the use of containers, microservices, and DevOps into their application development life cycle.

Many of our customers have experienced success with our solutions. Results include:



10X higher volume

Increased system responsiveness with autoscaling to support more than 10 times higher volume of concurrent processes.²



53% reduced time

Reduced time needed to build IT infrastructure for new services by 53%.²



40% less downtime

Improved customer experience with 40% less downtime and faster onboarding.³



1,200% increase

Gained responsive scalability to meet 1,200% increase in transaction volume.⁴



50% increase

Boosted developer productivity by more than 50%.⁵



118 releases

Increased deployment frequency from once every two weeks to 118 releases every two weeks.⁶

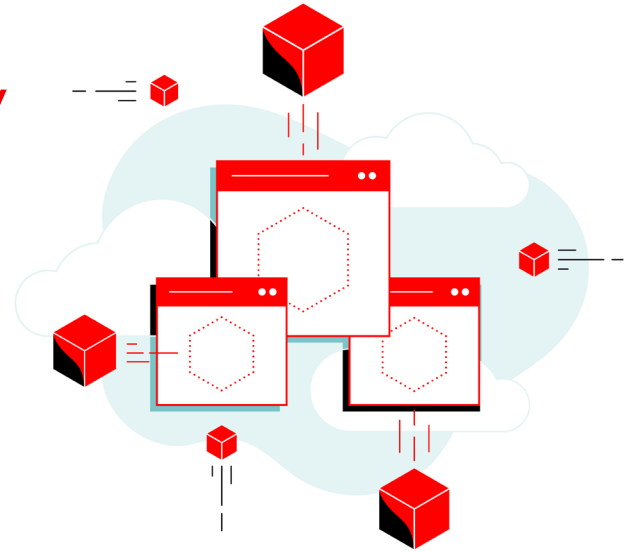
“[Red Hat consulting] quickly trained our developers on container platform technology. We were able to launch the first iteration of the site application in three months. We’ve never brought up a platform that quickly.”⁷

Stacie Morgan, Senior Application Development Manager, UPS

2 Red Hat customer case study. [“Lotte Card builds cloud-based customer service system with Red Hat,”](#) 2020.
3 Red Hat customer case study. [“Banco Galicia builds digital banking platform with Red Hat OpenShift,”](#) May 2019.
4 Red Hat customer case study. [“Argentina’s Ministry of Health builds national digital data network with Red Hat,”](#) April 2020.
5 Red Hat customer case study. [“Macquarie transforms digital banking with Red Hat OpenShift,”](#) May 2017.
6 Red Hat customer case study. [“Japanese telco adopts DevOps and Kubernetes with Red Hat,”](#) July 2020.
7 Red Hat customer success story. [“UPS streamlines package tracking and delivery with Red Hat,”](#) accessed Nov. 2020.

A comprehensive journey to container adoption

Red Hat Services Journey: Container Adoption is a holistic program that addresses four workstreams—business alignment, application development, release engineering, and infrastructure—turning isolated container experimentation into scaled container adoption while simultaneously transforming IT teams and processes.



Define your journey:



Business alignment

Change your approach, communication, and collaboration to accelerate enterprise-wide transformation.



Application development

Enhance designs to quickly support market demands.



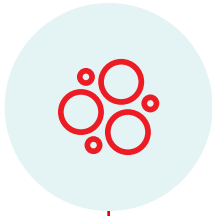
Release engineering

Implement repeatable processes to bring new applications onto an enhanced platform.



Infrastructure

Run a meaningful workload in production on a minimally viable container platform.



Business alignment

Working across teams, we help you translate your containerization goals into innovation by teaching you open processes, aligning teams across the business, and helping you with the consistent and modern practices needed to use Red Hat OpenShift® to build business resilience.



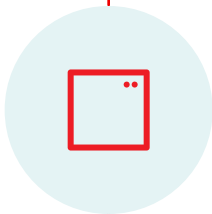
IT-focused outcomes include:

- Faster application updates.
- Rapid application deployment.
- Quicker fault recovery.
- Improved accuracy.



Business-focused outcomes include:

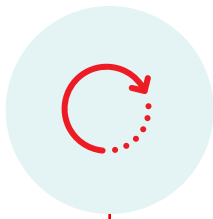
- Faster time to market for new features and services.
- Improved product and service quality.
- Lower operational and capital costs.
- Increased relevance and competitiveness.



Application development

Market demands force application development teams to be rapid, iterative, continuous, reliable, and collaborative. We will work with your teams on the necessary process changes to experience DevOps and become agile—accelerating your success and maximizing your investment in containers. Also, through a core team of application onboarding specialists, we will help facilitate mass adoption of containers throughout your application portfolio.





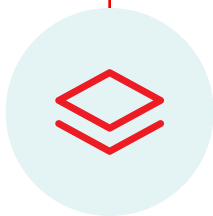
Release engineering

A trusted software supply chain is an enforced sequence of processes that delivers software through a path of building, testing, policy validations, security checks, and code deployment. Its objective is to generate complete trust, reduce human error, and establish consistent and repeatable software deployment outcomes with automation. This approach is crucial to supporting continuous integration and continuous delivery (CI/CD) processes.

Working with your teams, we will build and optimize a trusted software supply chain with automation for testing, policy validation, security review, and metrics to identify bottlenecks as they occur. For many organizations, this approach provides benefits such as:

- Trust of the quality of software going into production.
- Knowledge that the deployed software meets expectations.
- Added importance of internal policy expectations and security validations.
- Increased deployment frequency while reducing change failure rate.
- Reduced lead time to change and reduced time to restore from failure.
- A standardized developer experience across your organization.
- Independently verifiable audit trail.

With the goal of business resiliency in mind, we collaborate with your team to maintain and expand those pipelines to continually improve software delivery performance.



Infrastructure

Deploying and operating containers at scale requires the coordination of infrastructure, management tooling, and operational practices. Through the Container Adoption Journey, Red Hat Services will partner with you to build and operationalize a production container platform, enhanced through rapid releases that improve automation, security, reporting, resiliency, and governance.

Get started with Red Hat Services

The Container Adoption Journey provides a roadmap for successfully adopting and scaling containers in the enterprise.

Spanning a series of agile program increments, teams from Red Hat Services will work with you on all stages of container adoption, from educating and aligning teams around containers, to expanding them in your organization, and ultimately helping to lay the groundwork for self-sustained growth within the business.

Consulting, training, and support for digital leadership



Discover

An overarching strategy is defined to identify objective, skill gaps, and measurable outcomes



Accelerate

Small teams are enabled and empowered to enhance designs in support of rapid response to the market



Pilot

A meaningful workload runs in production on a minimally viable container platform managed by a select team



Optimize

Infrastructure and app instrumentation allows DevOps practices to be adopted by leadership and informs strategy



Prepare

Repeatable onboarding processes are implemented and new apps brought onto an enhanced platform



Self-sustain

Culture, process, and technology changes permeate the organization to propel continued improvement



Expand

Distributed development teams guide app onboarding at scale using standardized approaches



During a Container Adoption Journey, experts from Red Hat Services help customers understand containers and the flexibility they bring to the enterprise. Red Hat Services helps customers explore, establish, scale, and expand a unified digital transformation strategy focused on container adoption.

When you engage with Red Hat Services, your team will interact with our experts to:



Discuss goals, solution approaches, and next steps to:

- **Identify** challenges, potential issues, viable technology approaches, necessary participants, and desired outcomes.
- **Outline** current state, target state, and opportunities for change.
- **Assess** your team’s capabilities, skills, and processes.



Develop an intelligent plan that delivers a(n):

- **Analysis** of the current state architecture and organizational practices for the migration.
- **Strategy** across people, processes, and technologies to create a mobile enterprise.
- **Architecture** definition that addresses target environments.
- **Enablement** strategy across your teams.



Work with Red Hat subject matter experts, who will integrate with and guide your team to:

- **Establish** strategies to build a collaborative culture, determine responsibilities, foster new skills, and accelerate innovation.
- **Adapt** existing applications and build new cloud-native services to provide the full benefits of container platforms.
- **Deliver** more secure, resilient new environments and practices to efficiently deploy, manage, and scale workloads that support your business strategy.
- **Certify** your high-performance team.



Start your journey

Red Hat experts will work with you to implement a custom solution—based on Red Hat and certified partner products, targeted training, and extensive experience—that helps you succeed with containers today and prepare for future opportunities.

Predefined tools, frameworks, and blueprints help you get started faster and extend your solution throughout your organization.



Let's talk about your organization and how we can help

Red Hat experts meet with your team to provide a complimentary, personalized session. We will review your organization's goals, identify business challenges, and provide viable solutions.

[» Contact Red Hat for a discovery session](#)



Try the Red Hat Learning Subscription free trial

Fill skills gaps and address business challenges by taking advantage of unlimited access to our comprehensive Red Hat OpenShift curriculum.

[» Learn more](#)



About Red Hat

Red Hat is the world's leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers integrate new and existing IT applications, develop cloud-native applications, standardize on our industry-leading operating system, and automate, secure, and manage complex environments. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500. As a strategic partner to cloud providers, system integrators, application vendors, customers, and open source communities, Red Hat can help organizations prepare for the digital future.

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