aws marketplace

Red Hat OpenShift

Reviews, tips, and advice from real users

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Product Recap

Red Hat OpenShift

Red Hat OpenShift Recap

Red Hat OpenShift offers a robust, scalable platform with strong security and automation, suitable for container orchestration, application deployment, and microservices architecture.

Designed to modernize applications by transitioning from legacy systems to cloud-native environments, Red Hat OpenShift provides powerful CI/CD integration and Kubernetes compatibility. Its security features, multi-cloud support, and source-to-image functionality enhance deployment flexibility. While the GUI offers user-friendly navigation, users benefit from its cloud-agnostic nature and efficient lifecycle management. However, improvements are needed in documentation, configuration complexity, and integration with third-party platforms. Pricing and high resource demands can also be challenging for wider adoption.

What are the key features of Red Hat OpenShift?

- Security: Comprehensive security features ensure safe deployments and operations.
- Scalability: Auto-scaling and monitoring capabilities cater to high-demand environments.
- CI/CD Integration: Seamless integration for efficient continuous deployment processes.
- Cloud Compatibility: Supports multi-cloud and on-premise solutions with ease.
- GUI: Simplifies platform management and enhances usability.

What benefits and ROI should users look for?

- Improved Efficiency: Streamlined operations reduce time and resource investments.
- Enhanced Flexibility: Adapt quickly to changing demands and environments.
- Quick Deployment: Fast application deployment supports agile project timelines.
- Robust Support: Access to dependable customer support services.

Red Hat OpenShift is strategically implemented for diverse industries focusing on container orchestration and application modernization. Organizations leverage it for migrating applications to cloud-native environments and managing CI/CD pipelines. Its functionality facilitates efficient resource management and microservices architecture adoption, supporting enterprise-level DevOps practices. Users employ it across cloud and on-premises platforms to drive performance improvements.

Valuable Features

Excerpts from real customer reviews on PeerSpot:

✔ "Red Hat OpenShift helped us with managing scaling up and scaling down."

Pratul Shukla
Vice President at a financial services firm with 10,001+ employees

✔ "OpenShift's superior dashboard is a notable strength, especially when compared to Kubernetes."

Mikhael Ibrahim
Platform Engineer & Manager at a computer software company with 51-200 employees

✔ "It has features that enhance security, ease of deployment, and service exposure compared to Kubernetes."

Jefferson Usianene
Infrastructure Manager at Appzone Group

✔ "The concept of containers and scaling on demand is a feature I appreciate the most about Red Hat OpenShift."

UsmanMalik
Manager IT Infrastructure at a government with 1,001-5,000 employees

✔ "A valuable feature of Red Hat OpenShift is its ability to handle increased loads by automatically adding nodes."

Shan Ahmed
System Analyst at Freelancer

✔ "OpenShift is more enterprise-oriented, offers good support, and provides integration with multiple solutions."

AbdulJaleel
Senior Technical Lead at MORO

✔ "OpenShift offers more stability than Kubernetes."

Jan Kappert
OpenShift consultant at HCS Company

What users had to say about valuable features:

"The concept of containers and scaling on demand is a feature I appreciate the most about Red Hat OpenShift.

Our solutions can easily scale to any number of users or requests if we are running on the cloud. The cloud also supports the pay-as-you-go model, so scalability is the biggest benefit.."

UsmanMalik   Read full review ↗
Manager IT Infrastructure at a government with 1,001-5,000 employees

"A valuable feature of Red Hat OpenShift is its ability to handle increased loads by automatically adding nodes. This automation impresses us and benefits us in managing loads on applications.

Although we have just started the transition and are moving slowly, OpenShift has been helpful in modernizing our applications, and it is a positive step forward.."

Shan Ahmed   Read full review ↗
System Analyst at Freelancer

"OpenShift is a spin-off of Kubernetes, built on top of Kubernetes. It has features that enhance security, ease of deployment, and service exposure compared to Kubernetes. It also provides good integration with GitOps and ArgoCD.

Additionally, OpenShift offers an easy-to-use graphical user interface for cluster management, making it more accessible for administrators.."

Jefferson Usianene
Infrastructure Manager at Appzone Group

Read full review ↗

"Scalability and High Availability: OpenShift makes it easy to scale applications horizontally or vertically based on demand. Its high-availability capabilities ensure reliability and minimize downtime.

Built-in Security Features: Enhanced security tools like role-based access control (RBAC), network segmentation, and image vulnerability scans protect containerized applications.

Operator Framework: This simplifies the management of Kubernetes applications, automating tasks like installation, upgrades, and maintenance.."

AbdulJaleel
Senior Technical Lead at MORO

Read full review ↗

"Most benefit from it, however, I work with Kubernetes, and installing Vanilla Kubernetes is easy. That said, it introduces many tools that need to be set up individually. OpenShift comes ready out of the box, with all tools installed and configured. Red Hat certifies and confirms that all the components are compatible with each other.

OpenShift's superior dashboard is a notable strength, especially when compared to Kubernetes. The integrated DevOps capabilities, such as pipelines and the container registry, are extremely beneficial.

Additionally, its capability to monitor microservices and containers with integrated tools like Prometheus is a major advantage. The horizontal pod scaling exceeds the scalability features I found in Kubernetes.."

Mikhael Ibrahim   Read full review [↗]
Platform Engineer & Manager at a computer software company with 51-
200 employees

"We have certain applications on-prem on physical servers. We had some on Windows and some on Linux. There we had requirements where every time we had to manage extra load, we had to spawn a new Tomcat node. Scaling was one of the issues we were facing, and every time we had to scale up, it was a challenge. Plus, we had to procure infrastructure and do a lot of configuration and setup for the new instance being launched.

"Once we set that up, scaling down was a challenge as we did not always bring that down when not needed. When we did not have too much traffic, we still had a lot of infrastructure lying idle. At the same time, when we had high load, we were not able to scale up quickly.

"There was too much patching that happened, and every time we had to patch something it became a challenge. There were versioning issues with operating systems versus Java and other technologies we were using. That is why we moved to containerization, where we defined what operating system we need, what Java version we need, and what steps we want to do. Containerization helped us create that one unit we wanted to deploy. Red Hat OpenShift helped us with managing scaling up and scaling down.

"Because it was centrally managed in our company, many metrics that we had to write code for were available out of the box, including utilization, CPU utilization, memory, and similar metrics. We performed multiple transformations from physical servers to Red Hat OpenShift, and some from virtual servers to Red Hat OpenShift.

"The OC utility tool is something we use very often for replication, replica sets, and config maps for managing all environments and secrets. This is very useful for us. Routing is another beneficial feature we get, so we do not need to manage or do too many things for load balancing.."

Pratul Shukla
Vice President at a financial services firm with 10,001+ employees

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Other Solutions Considered

"We did not have a previous container platform solution. We did try to build our own but it failed, badly. Building a container platform is not an easy task.."

Verified user   Read full review ↗

Lead Enterprise Architect at a financial services firm with 51-200 employees

"We previously worked with Kubernetes cluster, but we switched to using OpenShift, as advised by our architect. This change is aimed at achieving greater scalability and stability for our product, as we've encountered challenges with our setup at the time.."

EisaShaheen   Read full review ↗

DevOps Engineer at Nudtteo

"We evaluated other solutions including Rancher. OpenShift is built with the developer in mind which is advantageous versus most other products on the market. We also chose OpenShift due to the peace of mind of knowing it is a solution supported by Red Hat. It is also an easy-to-use solution for our developers and has a great administrative interface.."

Verified user   Read full review ↗

Tech Lead at a tech vendor with 1,001-5,000 employees

"AWS and DigitalOcean are products with which I have some experience.

Kubernetes on AWS is a bit complex to set up, whereas OpenShift is easier for me to set up. However, they use the same things during the setup process. OpenShift is just a better product for a new user compared to AWS since the former is easier to understand.."

Javeed Abdul
Senior System Engineer at a tech consulting company with 10,001+ employees

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"I have tested VMware Tanzu but we didn't go with it because it comes in different flavors. If you want to use VMware Tanzu, for certain things, you need to buy another VMware product. For example, if you want to have pod services for your environment, you need to buy NSX. That's an extra overhead because you need a separate team that can manage NSX for you.."

AbhinavSingh
Technical Marketing Engineer - Hybrid Cloud Infrastructures at a manufacturing company with 10,001+ employees

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"We considered VMware Tanzu. They are still in the pipeline. We are planning to implement VMware Tanzu inside our environment. OpenShift is very good, but we are considering VMware Tanzu because we already have a good VMware environment. We thought of using that VMware environment also for the containerization application. That's the reason for considering VMware Tanzu.."

Balaji K R
Project Lead at a tech services company with 10,001+ employees

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ROI

Real user quotes about their ROI:

"With OpenShift combined with IBM Cloud App integration, I can spin an integration server in a second as compared to traditional methods, which could take days or weeks.."

Mikhael Ibrahim   Read full review ↗
Platform Engineer & Manager at a computer software company with 51-200 employees

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"Moving to OpenShift resulted in increased system stability and reduced downtime, which contributed to operational efficiency. Although it increased costs, it helped modernize our infrastructure.."

Jefferson Usianene   Read full review ↗
Infrastructure Manager at Appzone Group

"I have seen a return on investment, and it depends upon the types and the nature of some of the most critical applications that have been hosted on the OpenShift infrastructure. Considering in terms of stability, performance-wise, and security-wise, if everything goes fine, I think its return on investment is justified.."

Arun Sahani   Read full review ↗

Kubernetes/Openshift Security Consultant at a comms service provider with 1-10 employees

" I believe there is an ROI for organizations where security is very important, and because of privacy requirements, the public cloud cannot be an option. Especially in the banking sector, there's almost no competition. There is about 15% ROI.."

Markos Sellis   Read full review ↗

Architect at a tech vendor with 10,001+ employees

"We invested a lot of money in our current system, but now it would be more cost-effective to do things differently. We have reached the tipping point and in the future, it will be too expensive to maintain our current system. However, I believe that the money we invested was worth it and we got our money's worth.."

Matthias Bertschy   Read full review ↗

Senior Kubernetes Architect at a financial services firm with 1,001-5,000 employees

"It is cost-effective. The only consideration is that you have to use it wisely. Use only what you need because it is not very difficult to add resources. It is always advisable to get the bare minimum that you need, and then add more when necessary. When you do not need the services, bring them down so you are not unnecessarily using compute resources. If you use it efficiently, then it is beneficial, which is applicable to any cloud platform.."

Pratul Shukla
Vice President at a financial services firm with 10,001+ employees

Read full review ↗

Use Case

"I used OpenShift for the enterprise service cost system of a bank. We completed the migration of the bank's core banking system using OpenShift as the infrastructure. OpenShift acts as an orchestration platform and is used as our private cloud.."

Jefferson Usianene   Read full review ↗
Infrastructure Manager at Appzone Group

"Our primary use case for Red Hat OpenShift involves leveraging its container orchestration platform to enhance application modernization efforts. We host containerized applications and integrate GPU capabilities for optimized deployment of AI workloads.."

AbdulJaleel   Read full review ↗
Senior Technical Lead at MORO

"We use it for container orchestration. Some customers don't need to go with the coordinated open source as they need a more enterprise solution, so we use OpenShift. We mainly use it to host IBM CloudSec. We are working with CloudSec for integration, CloudSec for automation, and as a prerequisite for them, they need an OpenShift.."

Mikhael Ibrahim
Platform Engineer & Manager at a computer software company with 51-200 employees

Read full review ↗

"We help some operators implement the container platform. Some of the operators use other software, such as VMware or Whitestack. Our focus is on pushing Red Hat products. We also use OpenShift for containerized applications in IT and networks, including applications like My Mobistar, My Carlos, and Smart Wi-Fi.."

Verified user
Electronics Engineer at a consultancy with 1-10 employees

Read full review ↗

"We already were having that microservices architecture, so there was not much change from that perspective. We had small services, so here we had to create multiple pod IDs. Even today, we are using a hybrid microservices architecture. Our DB still has two or three services that hit the same database. From that perspective, there was not much change that we did in our case.."

Pratul Shukla
Vice President at a financial services firm with 10,001+ employees

Read full review ↗

"The main goal is the modernization of our applications. We have a few applications running on mainframes, which increase costs. We aim to modernize them on containers and microservices. We are shifting towards Kubernetes or Docker. As an enterprise client, the best solution is Red Hat OpenShift paired with support from Red Hat.."

Shan Ahmed
System Analyst at Freelancer

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Setup

The setup process involves configuring and preparing the product or service for use, which may include tasks such as installation, account creation, initial configuration, and troubleshooting any issues that may arise. Below you can find real user quotes about the setup process.

"The initial setup was straightforward, especially on the cloud where it was set up quickly. The on-premises setup was more challenging due to additional configurations required.."

Jefferson Usianene
Infrastructure Manager at Appzone Group

Read full review ⬈

"We have deployed OpenShift on the cloud. It is a one-time setup and can take longer to deploy. Once implemented, the rest of the deployment becomes easier. I rate the process a six out of ten.."

Verified user
QA Lead at a computer software company with 1,001-5,000 employees

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"I would say the initial setup is not very complex, but moderately complex, similar to other containerized platforms like Kubernetes. Compared to what we are used to running, such as other virtualization platforms like VMware, it is moderately complex.."

UsmanMalik
Manager IT Infrastructure at a government with 1,001-5,000 employees

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"The initial setup is complex as you need to know the steps. You can design the configuration of the cluster because it comprises various nodes, including infrastructure nodes, control points, and workers. You need to understand how to set up these basic components of the cluster and address persistent volume challenges to ensure they function properly.."

Petr Bunka
System Architect at CGI

Read full review ↗

"It is not difficult to onboard onto Red Hat OpenShift. Once you understand deployment configs, configs, replica sets, the basic components, routes and all, it is straightforward to onboard an application there. This applies mainly to services. Beyond that, it becomes challenging. We have not tried too many things because we struggled with batches. Getting things up and running in AWS, such as Kafka and Elasticsearch, is much easier than doing it on Red Hat OpenShift.."

Pratul Shukla   Read full review ↗

Vice President at a financial services firm with 10,001+ employees

"The setup involves creating a configuration file called 'install-config.' After providing necessary parameters such as vCenter's URL, username, and password, an Ignition file is generated. A virtual machine is then created from an OVA file with attached parameters.

Although the process is still somewhat complex due to user-provisioned infrastructure, OpenShift offers a simpler installer-provided infrastructure. We chose user-provided because it offers more control over our environment.."

Mikhael Ibrahim   Read full review ↗

Platform Engineer & Manager at a computer software company with 51-200 employees

Customer Service and Support

"Red Hat's technical support is responsive and effective. I had 50 to 59 support cases, many of which were resolved quickly depending on the urgency and expertise needed.."

Jefferson Usianene   Read full review ↗
Infrastructure Manager at Appzone Group

"We are experiencing dissatisfaction with the technical support as we often receive delayed responses when raising questions. I would rate it five out of ten.."

EisaShaheen   Read full review ↗
DevOps Engineer at Nudtteo

"We have support available, but we never had to use it because we have our own internal teams who provide support. We have not encountered any issue where we had to reach out to Red Hat.."

Pratul Shukla   Read full review ↗
Vice President at a financial services firm with 10,001+ employees

"I have been pretty happy in the past with getting support from Red Hat. We haven't had many cases regarding the support for OpenShift, however, we opened a couple of tickets, and they were satisfactorily answered.."

UsmanMalik
Manager IT Infrastructure at a government with 1,001-5,000 employees

Read full review ↗

"We have dealt with many cases with Red Hat support, and while they eventually solve issues, it sometimes takes them a long time to reach a resolution, particularly with complex matters related to IBM Cloud. We have rated their support a seven out of ten.."

Mikhael Ibrahim
Platform Engineer & Manager at a computer software company with 51-200 employees

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"Customer service is effective, particularly with the TAM (Technical Account Manager) service, which includes highly experienced personnel. Operators are very happy with the TAM services.."

Verified user
Electronics Engineer at a consultancy with 1-10 employees

Read full review ↗

Other Advice

"Overall, I would rate Red Hat OpenShift a nine out of ten. Despite the higher price and needed improvements, OpenShift is an enterprise-grade solution that meets most business needs. I would rate the overall solution a 9 out of 10.."

AbdulJaleel   Read full review ↗
Senior Technical Lead at MORO

"I rate Red Hat OpenShift somewhere around eight out of ten.

AI integration sounds like a good idea as AI is the future, and a lot of products in the market are benefiting from AI integration.."

UsmanMalik   Read full review ↗
Manager IT Infrastructure at a government with 1,001-5,000 employees

"If you have the skill and experience, Kubernetes can be used in production. OpenShift provides extra coverage in terms of security and management. Have a disaster recovery plan due to frequent updates.

I rate OpenShift at nine out of ten.."

Jefferson Usianene
Infrastructure Manager at Appzone Group

Read full review ↗

"I would rate OpenShift nine out of ten overall.

It is suitable for any company, regardless of size. Smaller companies may opt for open-source solutions like Kubernetes. However, OpenShift offers comprehensive support, which is appealing to enterprise clients.."

Shan Ahmed
System Analyst at Freelancer

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"I recommend having a solid understanding of Kubernetes before transitioning to OpenShift as it is based on Kubernetes. Without this knowledge, managing and maintaining OpenShift can be a nightmare.

I rate OpenShift as a nine point nine out of ten. I suggest considering the necessary infrastructure and related costs before adopting OpenShift.."

Mikhael Ibrahim
Platform Engineer & Manager at a computer software company with 51-200 employees

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"If you are dealing with services and need private cloud, go for Red Hat OpenShift. Regarding cost, if you compare to public cloud platforms, it is cheaper. If you are mostly on the services side and need private cloud, Red Hat OpenShift should be the solution. The overall rating is six out of ten, as it is not seen as a complete solution, but rather as a solution only for services. For other requirements such as integrations or batches, other cloud providers might be more suitable.."
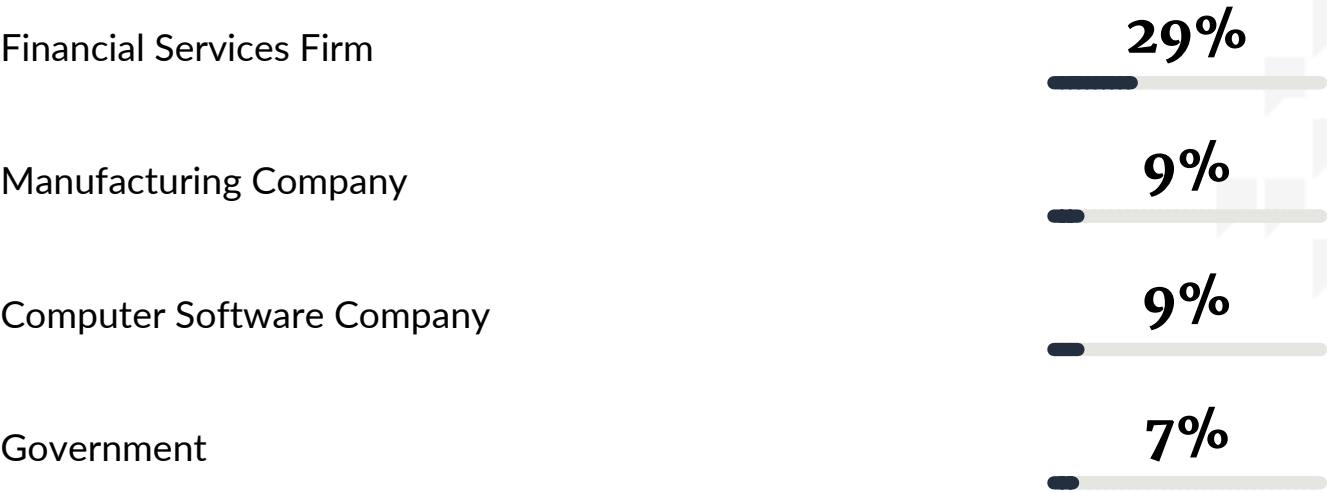
Pratul Shukla
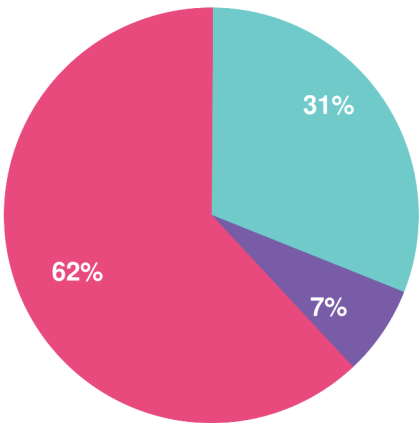Vice President at a financial services firm with 10,001+ employees

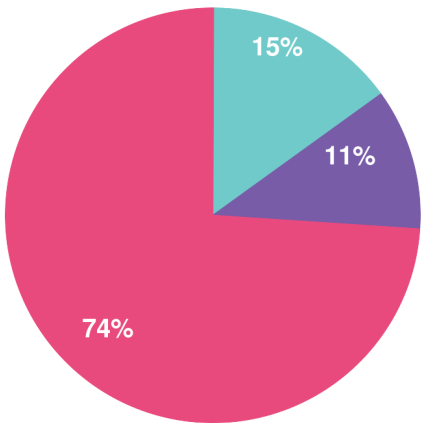Read full review ↗

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7%

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15%
11%
74%

⬤ Large Enterprise ⬤ Midsize Enterprise ⬤ Small Business

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