aws marketplace

Red Hat Quay

Reviews, tips, and advice from real users

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Product Recap

Red Hat Quay

Red Hat Quay Recap

Red Hat Quay is a reliable container image registry streamlining image management and integration across platforms, with a user-friendly interface and role-based access control for managing user permissions efficiently.

Red Hat Quay supports container image storage across platforms, including OpenShift. It offers features like automated image building for enhanced CI/CD processes, geo-replication for consistent access, and seamless RHEL integration. While its continuous updates boost performance and reliability, there is room for improved platform integration, AI capabilities, and security measures. Organizations use Quay for enterprise image management, enabling multiple organizations under a single account and facilitating CI/CD pipelines.

What are the most important features?

- User-Friendly Interface: Simplifies navigation and management of container images.
- Automated Image Building: Enhances CI/CD efficiency with streamlined processes.
- Role-Based Access Control: Manages user permissions securely and effectively.
- Geo-Replication: Ensures redundancy and access across different regions.
- Integration with RHEL: Offers seamless compatibility with existing Red Hat systems.
- Storage for Scalable Platforms: Supports platforms like OpenShift for scalable image storage.

What benefits and ROI should users look for?

- Efficiency in CI/CD: Automated builds improve workflow efficiency.
- Enhanced Security: Role-based access control and geo-replication add security layers.
- Scalability: Supports growth with integration into scalable platforms.
- Cost-Effectiveness: Use with existing Red Hat subscriptions enhances value.
- Flexibility: Facilitates enterprise-level image management and multiple organizations per account.

Red Hat Quay is implemented across industries for container image management and application deployment. Organizations leverage its compatibility with OpenShift to manage repositories efficiently, integrate into CI/CD pipelines, and use it for development and training purposes. Quay plays a crucial role in managing Terraform code stored in GitLab, providing a comprehensive repository for diverse containers and applications.

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Valuable Features

Excerpts from real customer reviews on PeerSpot:

- "The best features Red Hat Quay offers for my work are that it is easily integrated with RHEL, so if our environment is RHEL-based and we have already purchased the subscription for RHEL, it is better to use Red Hat Quay because it also improves reliability and integrates easily with all the RHEL-related tools like OpenShift."

AnilKumar13

Devops Engineer at EDAG

- "Red Hat Quay's automated image building has helped my CI/CD pipeline efficiency by allowing me to store my source code from GitHub and GitLab to my images, making it easier to deploy and run the application without any troubleshooting."

Marieswaran M

Network Instructor at Advantage Pro

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"Red Hat Quay's automated image building enhances CI/CD pipeline efficiency because all our applications are deployed through CI/CD pipeline, whether Jenkins or Octopus, and can pull images directly through Red Hat Quay using robot accounts and service accounts."

SunilkumarSivan

Sr. DevOps Engineer (OpenShift/Kubernetes) at a insurance company with 10,001+ employees

"Things like downloading an image, pulling an image, tagging, and pushing it back to the needed organization are fairly easy compared to doing things through the command-line interface."

SunilkumarSivan

Sr. DevOps Engineer (OpenShift/Kubernetes) at a insurance company with 10,001+ employees

"It's easy to use, and it does what it is meant for."

Validated user

Cloud Specialist at a tech services company with 51-200 employees

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What users had to say about valuable features:

“It's pretty user-friendly. It's operator-based, and there's no complication in setting it up. Things like downloading an image, pulling an image, tagging, and pushing it back to the needed organization are fairly easy compared to doing things through the command-line interface.

Red Hat is constantly improving its product. Every new version rollout comes with updates that enhance performance. One example is that we used to experience issues when clicking on a repository if we had thousands of them in the registry. In the latest versions, those things have been taken care of..”

SunilkumarSivan
Sr. DevOps Engineer (OpenShift/Kubernetes) at a insurance company with 10,001+ employees

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"The best features in Red Hat Quay include the user interface and the RBAC facility, which allows us to control image access for specific teams. We have geo-replication in place, where storage can be replicated across regions, providing redundancy to prevent single points of failure. It is configured to ensure constant availability.

"Red Hat Quay's automated image building enhances CI/CD pipeline efficiency because all our applications are deployed through CI/CD pipeline, whether Jenkins or Octopus, and can pull images directly through Red Hat Quay using robot accounts and service accounts. This makes it effective from that perspective.

"Role-based access control is a major feature we have been using because we have hundreds of applications deployed in our container platform, owned by various application owners. Role-based access helps us restrict access to unwanted users within the organization. We maintain separate organizations with different types of access for users, including admin access, view access, and read access for every image. The geo-replication happens at the backend, while the front-end RBAC is managed through a single dashboard. The continuous dynamic sync runs in the background, though monitoring capabilities are limited to the storage team's purview.."

SunilkumarSivan

Sr. DevOps Engineer (OpenShift/Kubernetes) at a insurance company with 10,001+ employees

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“The features of Red Hat Quay that I have found most valuable include the ability to switch between the previous version and the newer version; this is an extra feature currently added, and I appreciate this feature.

“Red Hat Quay's automated image building has helped my CI/CD pipeline efficiency by allowing me to store my source code from GitHub and GitLab to my images. It's very convenient, and it automatically stores my images to deploy in the OpenShift application, making it easier to deploy and run the application without any troubleshooting.

“The positive impacts I have seen from using Red Hat Quay include the ability to change to a newer version and roll back to the older version. This is the only feature I find beneficial, and I can monitor how many people download my images, which I can verify with the analytics provided.

“The value of geo-replication in maintaining consistent access to container images is significant since I store data in MongoDB and use the Apache Web Server application running in Quay.io, where I store my images..”

Marieswaran M
Network Instructor at Advantage Pro

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Other Solutions Considered

"In this organization, they are using the Red Hat Quay image registry. I have implemented and managed the solution in another company as well. Apart from Red Hat Quay, I have experience with the internal image registry available as a native registry solution within OpenShift.."

SunilkumarSivan
Sr. DevOps Engineer (OpenShift/Kubernetes) at a insurance company with 10,001+ employees

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"I've used the internally managed registry that comes with OpenShift. The internal registry is specific to the cluster, where outsiders cannot access the registry. Of course, if we take care of the network barriers, they can access it, but there will be some security concerns for outsiders to access the registry when it is internal.

Quay being an external registry, all other platforms, like JKS and GKE, can still use Quay registry to store their images.

We do have JFrog and OpenShift in our environment. ."

SunilkumarSivan
Sr. DevOps Engineer (OpenShift/Kubernetes) at a insurance company with 10,001+ employees

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ROI

Real user quotes about their ROI:

"It is fairly easy to use. It doesn't take much time to introduce Quay registry to the business units. Anybody who wants to use it as a primary registry just needs to create the organization and move all the images into the respective organization. So, on that front, it is pretty easy to use and faster to deliver to the clients.."

SunilkumarSivan

Sr. DevOps Engineer (OpenShift/Kubernetes) at a insurance company with 10,001+ employees

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Use Case

"We use Red Hat Quay as a single source of truth for all of our container images. We store all the container images that are used in the OpenShift platform.."

SunilkumarSivan
Sr. DevOps Engineer (OpenShift/Kubernetes) at a insurance company with 10,001+ employees

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"The main use case is to use Red Hat Quay for image management as an enterprise image registry in our organization. All the container images, whether from AKS, GKE, or OpenShift, are stored on Red Hat Quay and are used for application deployments. This is the only major use case we have.."

SunilkumarSivan
Sr. DevOps Engineer (OpenShift/Kubernetes) at a insurance company with 10,001+ employees

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"In terms of a specific example of how I use Red Hat Quay, we have an environment where we are managing Terraform code stored in GitLab. We run a pipeline and create a renovate pipeline which checks the latest version of the Terraform modules and updates accordingly as per the new version available.."

AnilKumar13
Devops Engineer at EDAG

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"I am a system administrator and engineer. I am using this product for the customers I work with, for the workload mainly. They have many different solutions.

At the moment, we are using it for a single customer that has many clusters and platforms installed. We also use it in our lab to train people and for developing things.

I use it for the customer's requirements.

We use it as a registry repository for different containers and applications that our customers are using.

The purpose of the product is pretty defined by the product itself. It's a registry repository.

It works as a repository for all of the different containers that our customers are developing and building. It has a wide use case.."

Validated user
Cloud Specialist at a tech services company with 51-200 employees

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“I am an end-user of Red Hat Quay, having just used it for one more year, and I haven't found any issues. I use this to store my images to share with my colleagues, and I store multiple applications in this one.

“My usual use cases for Red Hat Quay involve using it for container storage and deploying the application with OpenShift. I develop using the deployment tool and Docker tool, and I'm familiar with Docker. Compared to Docker, Red Hat Quay is superior because we can create an organization for free, and it offers cloud-on-premises solutions. We can also create multiple organizations in the same profile, which means the same account. This is the basic case compared to the others..”

Marieswaran M
Network Instructor at Advantage Pro

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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 of Red Hat Quay is straightforward, especially since the design suggestions came from Red Hat. We set it up on top of OpenShift using an operator, which was manageable as long as we properly configured the storage and DVPs.."

SunilkumarSivan

Sr. DevOps Engineer (OpenShift/Kubernetes) at a insurance company with 10,001+ employees

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"We mainly use it in the OCP Platform. The installation is pretty straightforward. It's a matter of selecting the file to upload to the platform and the product is installed.

It's installed in a few minutes.."

Validated user

Cloud Specialist at a tech services company with 51-200 employees

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"I would rate my experience with the initial setup an eight out of ten, with one being difficult and ten being easy.

It's just a matter of two to three hours, provided you have your OpenShift platform up and running.."

SunilkumarSivan

Sr. DevOps Engineer (OpenShift/Kubernetes) at a insurance company with 10,001+ employees

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Customer Service and Support

"I have been working with Red Hat products for quite a long time now. Overall, I have been working with their products for more than seven to eight years. So I'm pretty comfortable with their support. They are able to cater to our needs and respond to our product defects. So far, so good.

Support-wise, every product is assigned a dedicated technical account manager. They have been able to take care of our needs from a support perspective.."

SunilkumarSivan

Sr. DevOps Engineer (OpenShift/Kubernetes) at a insurance company with 10,001+ employees

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Other Advice

"If you are considering Red Hat Quay, my advice is that if you have a RHEL environment and you have already purchased the RHEL subscription, then you must use Red Hat Quay because it is easily integrated with all the services that belong to the RHEL family. Red Hat also has good support. I would rate this product an 8 out of 10.."

AnilKumar13
Devops Engineer at EDAG

Read full review

"I would recommend this solution to others who are interested in using it.

We are system integrators and we provide support.

I would rate Red Hat Quay an eight out of ten.."

Validated user
Cloud Specialist at a tech services company with 51-200 employees

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"I still have experience with Red Hat solutions, specifically with OpenShift and Red Hat Quay. I don't have experience with Red Hat AMQ, Satellite, or API Management, as those are handled by a platform team. My scope is only in the container platform and associated tools. Our experience with Red Hat Quay is measured by repositories rather than users. I don't get involved with licensing for Red Hat Quay as that's handled by a separate accounts team. We have an

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agreement with Red Hat where we receive everything in a bundle, so individual licensing costs aren't a concern. Based on my experience, I rate Red Hat Quay an 8 out of 10.."

SunilkumarSivan
Sr. DevOps Engineer (OpenShift/Kubernetes) at a insurance company with 10,001+ employees

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"I have not used the image vulnerability scanning feature of Red Hat Quay yet; I'm going to learn about this.

"Regarding geo-replication in maintaining consistent access to container images, I have found no issues. If I store the image, I can easily pull the image without encountering any problems in Quay.io.

"I have no experience with how role-based access control has helped manage permissions in my organization.

"I usually measure the effectiveness of Red Hat Quay's extensibility with my existing systems, though I have not used that functionality.

"Red Hat Quay is not currently deployed on cloud or on-premises in my organization as it is only an institution with no use for cloud on-premises.

"I use Red Hat Quay only with the free version.

"I have used documentation for Red Hat Quay, as I have created extensive documentation myself because I am the trainer. I prepare many documents for the students on how to use it, how to manage the registry, and how to manage the images stored in Quay.io.

"My impression of the documentation that Red Hat provides for Quay is that it is improved; there is no need for further enhancement. The book contents are very structured, and the course name is Specialization in Containers, DO188. It is structured documentation to use the Quay.io account from the beginning to the

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end of the process.

"On a scale of 1-10, I rate Red Hat Quay an 8.."

Marieswaran M
Network Instructor at Advantage Pro

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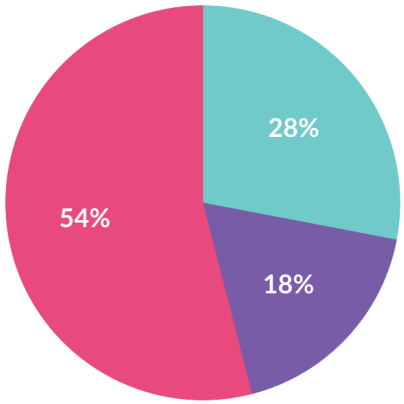

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