



Container Registry

Store, Secure, and Distribute Containers with Ease

Streamline image management, apply security policies, and run delivery pipelines effortlessly.

The Challenge

- **Unsecured image flows**
Without strong security controls, container images that are compromised or unverified can enter production.
- **Too many tools and not enough control**
Developers and DevOps teams are forced to navigate too many separate systems to build, store, and deploy images - increasing risk and slowing delivery.
- **Compliance challenges**
Low visibility and missing audit trails make staying compliant more difficult than it needs to be.



The JioCloud Solution

JioCloud Container Registry gives you a fully managed, enterprise-grade platform to store, secure, and distribute container images at scale.

Using trusted open standards and powered by Harbor, it brings everything together in one place - from vulnerability scanning and image signing to lifecycle management and audit logging. It also connects smoothly with your CI/CD pipelines and Kubernetes clusters, so your workflows stay simple and fast.

From development to deployment, you stay in control, gain visibility, and meet security goals - without the hassle of managing the backend infrastructure.



Key Features

- **Private image storage**
Keep your container images safe in a secure, isolated environment - built for enterprise use.
- **Role-based access control (RBAC)**
Assign precise permissions by user, team, or project to ensure only the right people access the right images.
- **Vulnerability scanning**
Auto scan images for known vulnerabilities (CVEs) during the build phase - so issues don't reach production.
- **Content trust and signing**
Sign and verify every image before deployment - so you know exactly what's being pulled into your clusters.
- **High availability and replication**
Distribute registries across regions to improve performance and add redundancy.
- **Image lifecycle policies**
Set automated cleanup rules to remove unused or outdated images and keep storage lean.
- **Audit logging**
Track who accessed what, and when - useful for compliance and internal reviews.
- **CI/CD ready**
Plug into your existing CI/CD pipelines and Kubernetes clusters without extra steps.

What You Gain

■ **Faster delivery pipelines**

Speed up your software rollout with secure, reliable image workflows that fit right into your delivery cycle.

■ **Stronger security and governance**

Build security into every stage - from image creation to deployment - without slowing teams down.

■ **Less infrastructure to manage**

Offload the hassle of running and maintaining registry infrastructure so you can focus on shipping code.

■ **Better compliance made simple**

Stay audit-ready with clear traceability and built-in logging across your image activity.

■ **Room to grow**

Whether you're handling thousands of pulls or managing large multi-team workloads - scale without slowing down.



Use Cases in Action

Ship faster, ship safer

Push signed images from your pipeline directly to a secure private registry. Teams can deploy with confidence across environments.

Secure every stage

Scan images early in the CI/CD flow to catch issues before they reach production.

Stay in control

Control access with RBAC, track changes through audit logs, and meet internal or external governance needs.

Optimize storage automatically

Clean up stale images with lifecycle policies - no manual tracking required.

OCI-compliant multi-tenant container registry with SSO

- Multi-artefact/OCI compliance (Helm charts, OPAs, multi-arch images).
- Identity integration and SSO using Keycloak.
- Project quotas and multi-tenancy.

Top Applications

Made for teams that build and run modern container-based applications:

- Software Development and SaaS
- Financial Services
- E-commerce Platforms
- Telecom Infrastructure
- Healthcare and Regulated Industries



Who It's For



- DevOps Engineers
- Application Developers
- Security and Compliance Teams
- Platform Architects
- Release Managers

Why JioCloud

■ Integrated from end to end

Works out-of-the-box with Kubernetes, CI/CD pipelines, and API Gateway services.

■ Built-In security

Includes image scanning, signing, RBAC, and audit logs - without extra plugins or tools.

■ Resilient architecture

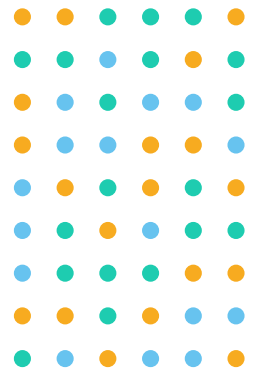
Geo-replication and high availability come standard - so you're always deployment-ready.

■ Backed by Jio platforms

Get full lifecycle support from India's digital infrastructure leader.

■ Made for Indian enterprises

Compliant with MeitY and CERT-In, with flexible deployment options for hybrid and regulated environments.



Ready to Simplify Container Management?

Explore how JioCloud Container Registry simplifies your DevOps pipeline—without compromising control.

Reach out at jpl.cloudsales@ril.com or visit [\(website\)](#) to learn how JioCloud Container Registry can streamline your pipeline.

