

ORock CI/CD Pipeline Solution Overview



PRE-BUILT, AUTOMATED DEPLOYMENT PIPELINES

The process of developing, testing and deploying to production can be complex and demanding. When you add STIG compliance requirements to application development, systems deployment, networking, hardware and cloud usage, your software development can turn costly, become infrastructure and human resource intensive and overwhelm even the toughest IT professionals.

The ORock Cloud Pipeline Solution

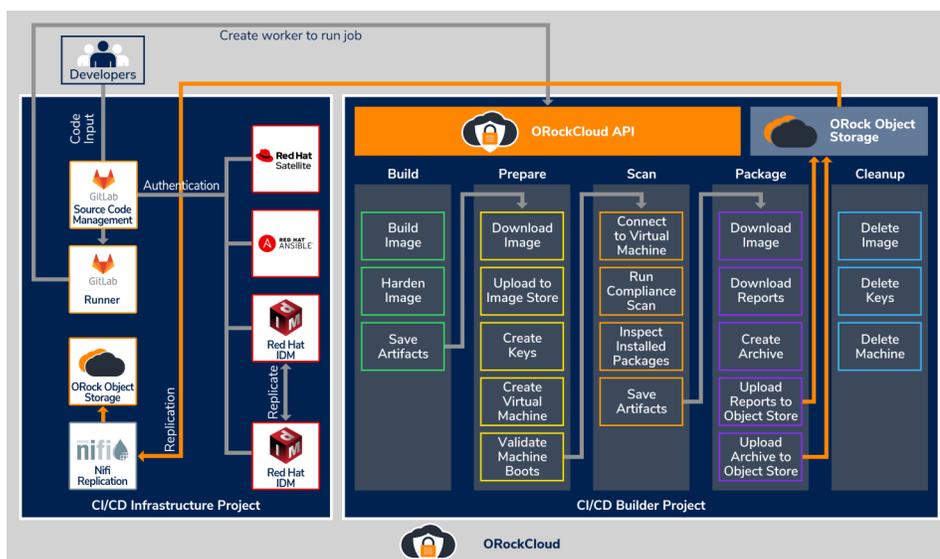
Leveraging years of combined experience in software and systems development for government entities, ORock has built an automated CI/CD pipeline that can be deployed in hours and validates development, testing and production releases with the applicable STIGs.

The ORockCloud CI/CD STIG pipeline, by default, integrates the key swim-lanes of development and includes coding, build environments, security scanning, application packaging and application deployment. This means that you can get your software development projects up and running in a matter of days vs. weeks.

A pre-built environment on the ORockCloud allows you to focus on the high-value software solutions development, not on underlying, time-consuming systems management.

Since ORock has built out pipeline components and developed the connective software to validate STIG compliance, you can rest assured that your software development won't mistakenly miss compliance requirements.

Finally, to ensure a full 360 degree view, the ORock STIG pipeline maintains logs for general reporting and auditing purposes to ensure compliance of the automation.



Key Benefits

Automation Saves Time

Save your team time with easier development compliance to address appropriate STIGs (Security Technical Implementation Guides).

Rapid Time to Deployment

Leverage continuous delivery components are already organized to support Defense development workloads.

Development Platform Expertise

Utilize ORock's platform expertise to support development pipelines, giving on-prem resources the time to focus on other priorities.

Security Protection and Controls

Protect your data in a government-grade cloud that complies with multiple government, military and commercial security standards.

Unlimited Scalability

Scale from gigabytes to exabytes and choose from various storage types to meet your cost, data retention and access needs.

Highly Redundant

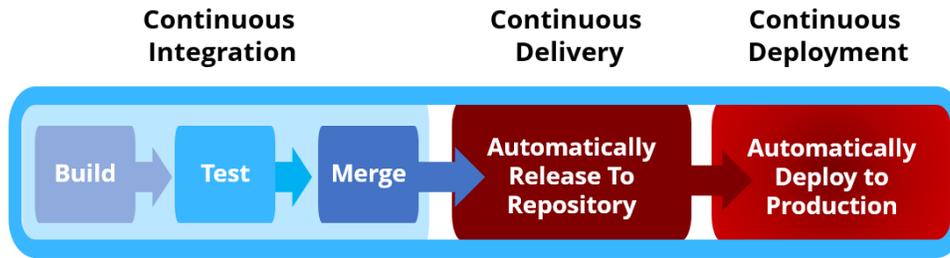
Choose the right storage option to support data backup, availability and GEO redundancy needs. Designed with no single point of failure and an SLA of 99.9% uptime.

Avoid Vendor Lock-In

Gain flexibility through enterprise-grade, open source, software-defined storage solutions with no extra cost to move your data.

Repeatable Development Pipelines

Under the moniker of Continuous Integration and Continuous Development (CI/CD), our key concept is building a repeatable pipeline structure that lets development resources focus on actual development and not systems administration.

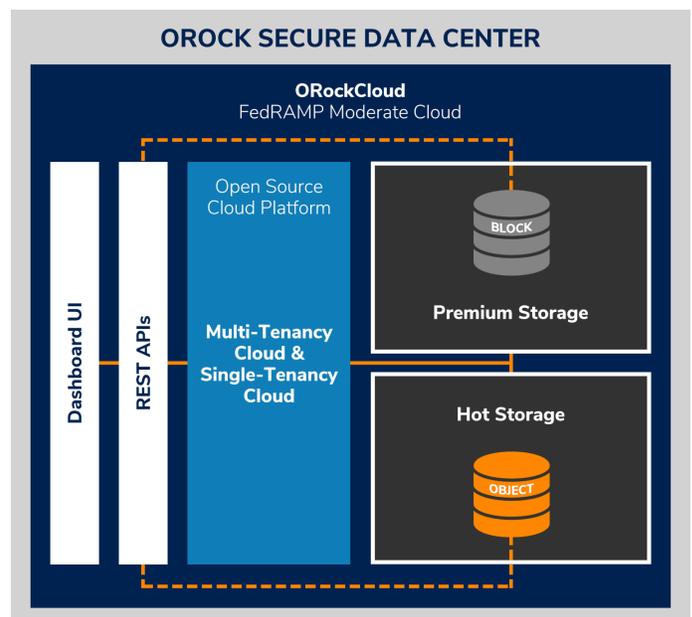


- Pre-built code and software development pipelines reduces the time to architect and build pipeline solutions so production deployment can be achieved much faster
- Low impact on human resources to get up and running
- Environments are easy to spin up because they are templated
- Increased deployment frequency so that smaller and more valuable chunks of functionality can be rapidly utilized by users
- Centralized reporting
- Pipeline application abstraction allows teams to utilize their specific applications without needing to understand how the entire pipeline works
- Deployable on IL2 and IL5 ORockCloud environments

ORock Cloud: A Secure, Open Source Cloud

ORockCloud is a FedRAMP-authorized cloud environment architected on the OpenStack Platform. We built ORockCloud from the ground up for secure, high-performance data operations using industry-leading hardware, a private fiber optic backbone network, scalable storage, and hardened, enterprise-grade open source applications.

Our IT engineers and security professionals designed ORockCloud to meet the most stringent customer requirements for security, compliance, cost predictability and control. We integrated security and regulatory compliance in every element of the cloud stack, from the physical data center and network to the platforms and tools used to manage your workloads and applications.



Certifications & Compliance

