

ACCELERATE YOUR DEVOPS WITH OPENSIFT BY RED HAT

DATASHEET



RED HAT CONSULTING CAN HELP YOUR ORGANIZATION:

- Become more agile by aligning development and operations teams to deploy application services as quickly as business demands change.
- Reduce application time to market.
- Adopt best practices for implementing a PaaS solution based on OpenShift Enterprise.

TECHNOLOGY ALONE CAN'T MEET MARKET DEMANDS

Mobile, social, big data, and cloud have fundamentally changed the way we live. "Anytime, anywhere" access to data and information is no longer a luxury; it's a requirement, in both our personal and professional lives. For IT organizations, this means pressure has never been greater to deliver meaningful services to the business and customers.

New tools, technologies, and frameworks have evolved recently to help manage rapid shifts in the technology landscape, but they're only as good as the underlying processes that exist within the organization. As lines of business change or add requirements, developers must be able to release new features and functionality quickly. And IT operations must be able to support products and services in production.

The organizations that can balance their developers' rapid release needs with operations' ability to deliver stability and security will have the most competitive advantage.

BRIDGING THE GAP BETWEEN DEVELOPMENT AND I.T. OPS

To facilitate better communication and collaboration between development and IT operations teams, organizations are turning to DevOps methodologies. Through DevOps practices, the integration of these groups provides organizations with the ability to continuously deliver software without compromising quality, thereby reducing the product cycle time.

A central pillar of DevOps includes the automation of IT processes to ensure repeatability, predictability, and scalability. Within IT, there are three basic categories of automation:

- **Infrastructure automation** is the process of provisioning virtual machines with operating system images, network, disk and basic compute resources.
- **Middleware platform automation** is the process of provisioning middleware platforms and frameworks that host applications and business processes without worrying about underlying infrastructure. Configuring clustering, caching, security and other such functions can be automated with Platform-as-a-Service (PaaS) technology.
- **Application life-cycle automation** is the process of automating every aspect of the software release process, including:
 - Provisioning a development environment.
 - Running unit tests.
 - Building deployment builds for QA.
 - Provisioning integration environments to run integration tests, regression tests, and performance tests.
 - Constructing deployment builds for acceptance environments.
 - Provisioning acceptance environments.
 - Deploying to acceptance environments.

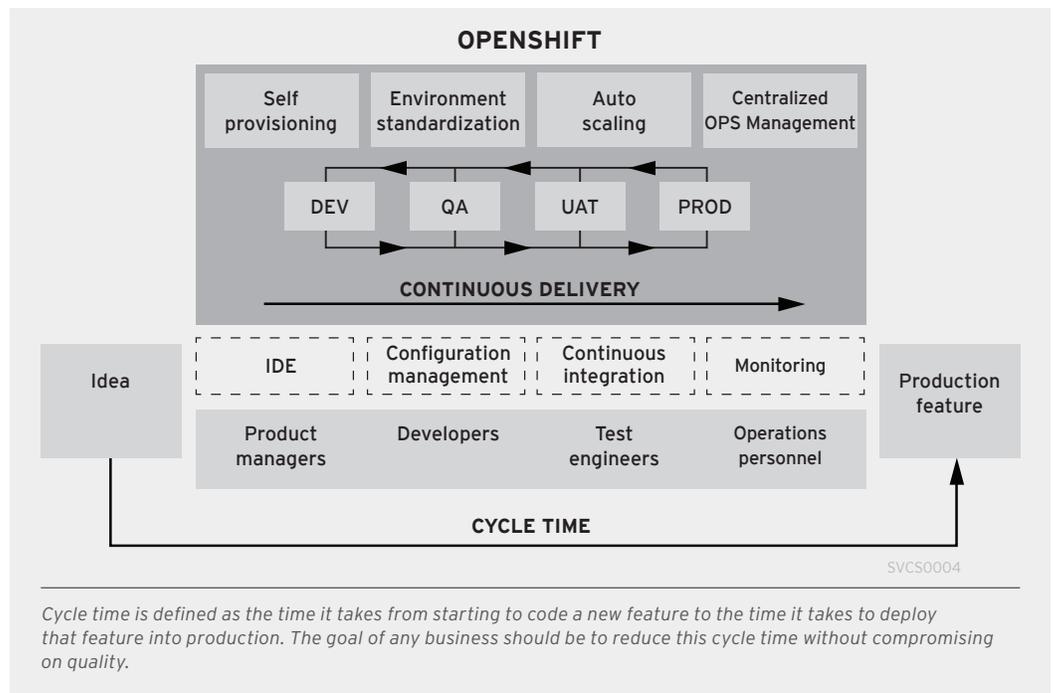


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- Testing acceptance environments.
- Deploying to production.

Red Hat Consulting's OpenShift-focused solution accelerates DevOps

Red Hat® Consulting helps organizations become more efficient through solutions that incorporate DevOps and continuous delivery. In addition to working to instill better processes, we accelerate your DevOps adoption with Red Hat's Platform-as-a-Service (PaaS) technology. OpenShift Enterprise by Red Hat increases productivity by allowing developers to write applications more quickly, which in conjunction with DevOps methodologies, reduces cycle times, drives automation, and increase efficiency.



OpenShift Enterprise accelerates DevOps practices in the following areas:

- **Standardized operating environments:** Through OpenShift Enterprise's platform definition management, operations teams can standardize the technologies and frameworks made available as application containers.
- **Configuration as code:** OpenShift Enterprise's cartridge technology provides built-in, consistent management of platform configuration that can be versioned and controlled as code.
- **Self-provisioning:** Developers can self-provision standard development environments for rapid application development and prototyping.
- **Continuous integration:** By having integration points with source control systems (like Git) and continuous integration tools (like Jenkins), OpenShift enables automated testing after commits and never lets code with broken tests be deployed.

- **Dynamic environments and resource optimization:** OpenShift Enterprise’s environment provisioning and teardown can be integrated with the application development life cycle, creating on-demand environment delivery. Platforms can be created on-demand for specific demo and testing jobs and just as easily spun down, maximizing IT resource availability.
- **Auto-scaling:** OpenShift’s auto-scaling feature dynamically adds compute resources to applications to serve requests under load as needed.

DEVOPS AND OPENSIFT SERVICES

SERVICE OFFERING	DESCRIPTION OF SERVICE	DURATION
Architecture review and current state assessment	Review existing policies of provisioning environments, SDLC processes, and automation maturity and provide gap analysis and recommendations for organization’s DevOps capabilities.	2-4 weeks
Target state architecture, blueprint, and roadmap	Provide a target state architecture for PaaS and DevOps processes and a high-level implementation roadmap, with levels of effort and timelines.	2-4 weeks
DevOps & PaaS pilot	Implement pilot and demonstrate end-to-end DevOps capabilities in public or private cloud.	6-8 weeks
DevOps enterprise strategy rollout and implementation	Partner with customers to implement enterprise DevOps and PaaS roll out and adoption. Strategy includes greenfield application development and migration of existing applications to new models of PaaS and DevOps.	Dependent on customer environments and priorities. Red Hat will require detailed scoping discussion to determine timelines for enterprise rollouts.

THE RED HAT CONSULTING DIFFERENCE

Straight from the source: Red Hat Consulting teams have direct lines of communication into the Red Hat support and product development organizations. Many of our consultants are also active contributors to the upstream open source communities behind all Red Hat technologies.

Diverse technical experience: Red Hat Consulting maintains deep expertise on both open source and proprietary systems and application platforms in the market, providing clients with a more complete view of their enterprises. Our guidance is based on a holistic understanding of building enterprise systems, not just our own products.

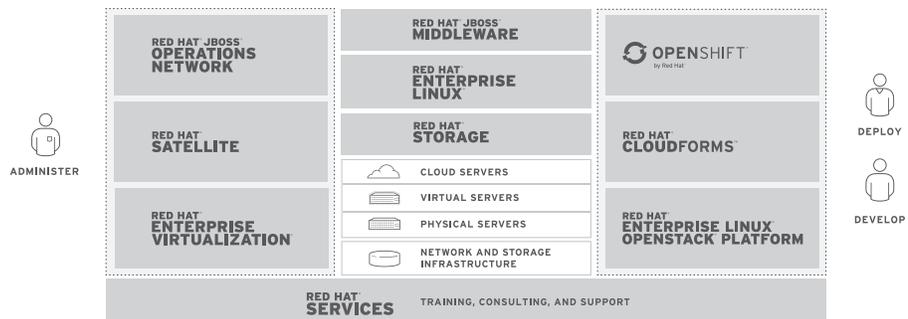
Mentoring-based approach: Red Hat Consulting's mentoring-based approach provides the right knowledge transfer to jumpstart a client's move to Red Hat in a safe and efficient manner. As open source leaders, Red Hat believes that knowledge must be just as open as the source code.

Call us today to determine how Red Hat Consulting can accelerate your organization's adoption of DevOps with OpenShift Enterprise by Red Hat.



ABOUT RED HAT

Red Hat is the world's leading provider of open source solutions, using a community-powered approach to provide reliable and high-performing cloud, virtualization, storage, Linux, and middleware technologies. Red Hat also offers award-winning support, training, and consulting services. Red Hat is an S&P company with more than 80 offices spanning the globe, empowering its customers' businesses.



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