

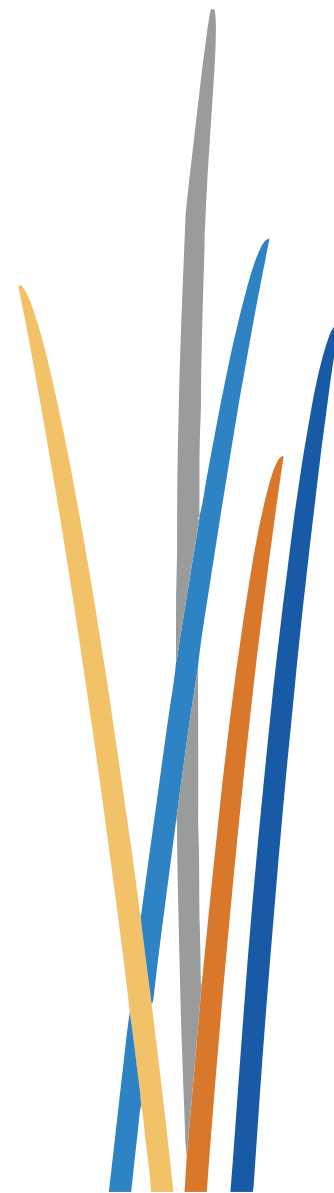


3 SIGNS OPENSIFT IS RIGHT FOR YOUR BUSINESS



TABLE OF CONTENTS

BACKGROUND	01
Docker and Kubernetes	01
SIGNS OPENSIFT IS RIGHT FOR YOUR BUSINESS	02
1. New sources of competition are requiring your IT department to become more agile in responding to evolving business needs	02
Self-Service Platform	02
Polyglot Language Support	02
Container-Based	02
Automation	02
Persistence	03
Application-Centric Networking	03
2. You need to adopt a consistent application platform for hybrid Cloud deployments	03
3. You are looking to move towards a microservices-based architecture	03
ABOUT OUR WORK	04



13880 Dulles Corner Lane
Suite 300
Herndon, VA 21071

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**Vizuri is built on proven technologies, but it is our
people that set us apart. -Joe Dickman, Founder**

(703) 318-7800 Phone
solutions@vizuri.com
vizuri.com

BACKGROUND

Software is often at the heart of today's competitive landscape. New technologies, tools, and processes are transforming how businesses engage with their customers. To stay ahead, it is important that your organization embrace IT, and software in particular, as a cornerstone of your business strategy.

This transition requires making smart investments and taking an ongoing, proactive approach to digital transformation. Developers need to be given the agility to quickly and efficiently bring new concepts to fruition and drive value for customers. Infrastructure needs to be adopted that can keep costs low. Your processes need to be standardized and automated across development and operations to increase efficiency and reduce human error.

DOCKER AND KUBERNETES

Two technologies have become industry standards while driving this transformation: [Docker containers](#) and [Kubernetes](#).

The advantages of Docker containers are well-established and beyond the scope of this paper, but they include modularity, layers and image version control, the ability to rollback images, portability, and rapid deployment. Kubernetes is an open-source system for automating deployment, scaling, and management of containerized applications.

The power of Docker is exponentially increased by the addition of an orchestration tool like Kubernetes. However, in many cases, an orchestration tool by itself isn't enough. When you start using more containers and containerized apps, further broken down into hundreds of containerized app components, management and orchestration can get very difficult. Eventually, you'll need to start grouping containers to deliver services such as networking, security, and telemetry across all of your containers.

SIGNS OPENSIFT IS RIGHT FOR YOUR BUSINESS

This complex environment is why container management platforms are so crucial—and choosing the right one is essential to meet your needs. Red Hat OpenShift is a container application platform that brings Docker and Kubernetes to the enterprise, along other elements to enable application deployments including continuous integration/continuous deployment (CI/CD), authentication services, application services, data services, security services, Cloud infrastructure and more. So how can you determine whether OpenShift is the right fit for you?

1. NEW SOURCES OF COMPETITION ARE REQUIRING YOUR IT DEPARTMENT TO BECOME MORE AGILE IN RESPONDING TO EVOLVING BUSINESS NEEDS.

By providing a common platform and tools that can be deployed across heterogeneous environments, OpenShift increases the efficiency of both development and operations teams. This allows them to develop better applications in less time. Infrastructure teams can move apps around, for example, to upgrade the underlying infrastructure without disrupting the application.

Here are some features of OpenShift that enable the acceleration of application delivery:

Self-Service Platform

Developers can quickly and easily create applications on demand directly from the tools they use most. Operators can leverage placement and policy to orchestrate environments that meet their best practices.

Polyglot Language Support

Developers have the choice and the ability to run multiple languages, frameworks, and databases on the same platform. This allows customers to more easily take advantage of the Docker ecosystem.

Container-Based

OpenShift provides an immutable, container-based platform based on Docker to deploy and run applications and microservices.

Automation

OpenShift automates application builds, deployments, scaling, health management and more, leveraging integrated components from Kubernetes.

Persistence

OpenShift allows platform architects the choice to incorporate persistence into their application component while still be able to offer stateless Cloud native design.

Application-Centric Networking

Software-defined networking found in OpenShift allows operators to leverage Open vSwitch or plug into an existing investment. In either case, OpenShift offers real IP services to dynamic endpoints across the PaaS platform.

2. YOU NEED TO ADOPT A CONSISTENT APPLICATION PLATFORM FOR HYBRID CLOUD DEPLOYMENTS.

OpenShift provides customers with the choice to run on top of physical or virtual, public or private Cloud, and even hybrid Cloud infrastructure. This gives IT the freedom to deploy the OpenShift Container Platform in a way that best fits within the existing infrastructure, and makes iterative change possible with the least amount of disruption to your existing business.

3. YOU ARE LOOKING TO MOVE TOWARDS A MICROSERVICES-BASED ARCHITECTURE.

OpenShift provides a common platform for Cloud-native, microservices applications alongside the existing traditional and stateful applications. This allows you to continue to leverage legacy or “mode 1” apps alongside Cloud-native, container-based apps, and/or microservices. By offering a broad choice of application frameworks, programming languages, and developer tools, OpenShift enables customers to prototype innovative applications more quickly. OpenShift also enables access to a broad range of Red Hat and third-party applications and middleware services, API management, and storage services to accommodate various types of applications and architectures.

We hope that these points will help you as you consider moving towards the Cloud. We would love to hear from you. What resonates most with you? Did we miss anything important?

Please feel free to drop us a note at solutions@vizuri.com.

ABOUT OUR WORK

You may also be interested in one of our standout OpenShift engagements, which has been highlighted as a Red Hat case study.

For LogistiCare, we externalized business processes and rules, providing a new foundation for innovation. We implemented OpenShift on AWS utilizing xPaaS (e.g., BPMS, Fuse), Spring Boot for microservices, and automated infrastructure provisioning using Ansible Tower. We developed CI/CD deployment pipelines using Jenkins and Nexus. We also helped to develop a custom B2B API to Lyft to schedule rides, shorten response times, increase customer satisfaction, and dramatically lower operating costs. [Read the full case study to learn more.](#)

ABOUT VIZURI

Vizuri is the commercial consulting division of AEM Corporation. We transform business through creative software solution, and stand out for our work in four core areas: business rules and process management, Cloud enablement, enterprise integration and messaging, and microservices and containers.

Vizuri designs solutions that pay for themselves. We align and integrate your business processes and strategies with our technologies to develop solutions that show a clear return on investment. With a relentless drive to innovate, we receive frequent awards, speak at industry conferences, publish solutions and strategies, and share code with the open source community.

We have a proud history of “firsts,” including first OpenShift partner (2013), first Docker partner (2014), and first recipient of the Red Hat Partner of Excellence Award in North America (2017). Learn more at vizuri.com.