Red Hat® OpenShift® on Microsoft Azure

Cloud-native container platform plus robust cloud services equals transformed application development

The big news in application development is the mass adoption of containers. Gartner predicts that by 2020, 50 percent of global organizations will deploy containerized applications, up from less than 20 percent in 2017. Businesses need effective technologies and expert help to keep pace with the containerization boom.

Enter the Red Hat® OpenShift® on Microsoft Azure solution

Containers provide a standardized method of packaging application code, runtime, settings, system tools, and libraries so applications can run on various computing environments with different operating systems and underlying infrastructures.

Docker is the de-facto container technology standard, and Red Hat® OpenShift® is the leading enterprise-grade containerization platform built on Docker. Capgemini combines the power of Red Hat® OpenShift® with the flexibility of Microsoft Azure in a single, ready-to-deploy solution.

Red Hat® OpenShift® and Capgemini provide enterprise-grade versions of open-source development, deployment, and integration tools. Combined, we provide a robust set of cloud services for on-premises and public cloud. Microsoft and Capgemini's expertise in customization deployment and cloud services opens the door to the new global standard in application development.

The open-source container-management system

Kubernetes is probably the best known and most widely used container-management system and is included in Red Hat® OpenShift®. An open-source system, originated by Google, it helps users deploy, maintain, and grow containerized applications.

Go cloud native.

Who is moving first?

The finance, insurance, and public sectors have been the first adopters of containers to date, but the trend is set to spread much further. Any organization can obtain the necessary open-source development and management tools like Docker and Kubernetes for free, assemble them into a workable platform, and establish their own cloud infrastructure. But all that takes considerable expertise and time.

The faster, more dependable alternative is to invest in the Red Hat® OpenShift® on Microsoft Azure solution. A pay-per-use platform, it can include training and a pilot project delivered under Capgemini guidance. Capgemini also keeps all the tools included up to date, which keeps DevOps teams at the cutting edge and ensures the latest security is always on-board. Also, the platform can operate on any public- or private-cloud infrastructure, but Azure is the public cloud of choice for this offering because of the long and established partnership between Sogeti and Microsoft.

Fast. Flexible. Productive

Red Hat® OpenShift® on Microsoft Azure delivers:

Speed. Faster connections and enhanced security between Azure and on-premises Red Hat® OpenShift® clusters with hybrid networking.

Flexibility. Free movement of applications between on-premises environments and Azure using Red Hat® OpenShift®, a consistent container platform across the hybrid cloud.

Productivity. Access to Azure services, such as Azure Cosmos DB, Azure Machine Learning, and Azure SQL DB, makes developers more productive. The re-use of standardized components means development and maintenance time for new apps can be reduced by up to 35 percent.

ROI by the numbers

A 2017 IDC study of organizations using Red Hat® OpenShift® as their primary application-development platform found they achieved:

531%	average five-year ROI
$1.29M	average annual benefits per 100 developers per year
66%	faster application development life cycles
35%	less IT staff time required per application developed
$7.42M	higher revenue per organization
38%	lower IT infrastructure and development costs per application

About Capgemini

A global leader in consulting, technology services and digital transformation, Capgemini is at the forefront of innovation to address the entire breadth of clients' opportunities in the evolving world of cloud, digital and platforms. Building on its strong 50-year heritage and deep industry-specific expertise, Capgemini enables organizations to realize their business ambitions through an array of services from strategy to operations. Capgemini is driven by the conviction that the business value of technology comes from and through people. It is a multicultural company of over 200,000 team members in more than 40 countries. The Group reported 2018 global revenues of EUR 13.2 billion.

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People matter, results count.

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