EXECUTIVE CHECKLIST: LINUX CONTAINERS

BROCHURE

CHOOSING YOUR CONTAINER PATH

To enable growth and promote digital transformation within your organization, you must find the right balance between developer effectiveness and operational efficiency. Containers can help, but organizations should consider all aspects of their container strategy to ensure success and a void missteps.

The following checklist will assess your needs and possible business impacts to help you choose a Linux® container technology that benefits your developers, infrastructure team, and business.

1. CREATE AN ARCHITECTURE FOR HYBRID CLOUD

- Do you expect to use multiple clouds (private and public) for your business applications?

- Are you trying to avoid vendor or technology lock-in?

- Do you want to choose your development framework?

- Do you want to choose your cloud infrastructure using open container standards and Kubernetes?

If you answered "yes" to any of these questions, you should consider open source container platforms. Maintaining flexibility of tools gives your developers the choice they need to succeed.

2. ESTABLISH THE FOUNDATION FOR DEVOPS

- Do you want better collaboration between developers and operations teams?

- Do you want to give developers flexibility in language and framework?

- Are you interested in building on standard, time-tested, enterprise-class technologies?

- Do you want to use your existing platform's security capabilities?

- Do you want to increase speed and quality for existing application delivery?

If you answered "yes" to any of these questions, you should evaluate full-stack vendors that use open source technologies and communities. These vendors will allow you to use your existing knowledge base, offer your developers choice, and provide confidence in the security of your containers.

3. TAKE ADVANTAGE OF INNOVATION AND STANDARDS THROUGH OPEN COMMUNITIES

- Does the concept of vendor lock-in concern you?

- Do you want the ability to move applications across infrastructure (on-premises and public cloud)?

- Do you need legacy application portability?

- Does your environment support development, test, and production environments for multiple application development life-cycle stages?

If you answered "yes" to any of these questions, it is important to confirm that your container platform is actually open and not a mix of proprietary and open solutions. True open source solutions will allow you to drive application portability and maintain control of your environment.

4. MAXIMIZE EXISTING INVESTMENTS

- Do you continue to invest in more infrastructure while you have under-utilized capacity?

- Is multitenancy a key business criteria for your applications?

- Do you need to invest in platforms that will support existing applications and accelerate development of new cloud-native applications?

- Do you need the security of tested and proven technologies?

If you answered "yes" to any of these questions, you should evaluate if the container platform makes your applications and existing IT infrastructure faster and keeps them secure—and determine if that security will work throughout your stack.

YOUR CLOUD-NATIVE SOLUTION

Red Hat® OpenShift Container Platform delivers secure Linux container technology for your hybrid cloud. The solution:

- Gives developers the languages and framework they need, including Java™ EE 6/7, Spring and Spring Boot, WildFly Swarm, Eclipse Vert.x, .NET Core, PHP, Perl, Rails, Ruby, Python, Go, and many others.

- Allows operations teams to scale containers using industry-leading Kubernetes.

- Offers multitenancy and protects you from harmful code using established security with Security-Enhanced Linux (SELinux) and control groups (cgroups) integrated into Red Hat Enterprise Linux.

- Uses your existing investments and provides portability to avoid vendor lock-in.

Visit www.openshift.com to get more information, including access to the latest whitepapers, webinars, and reference architectures.

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Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to provide reliable and high-performing cloud, Linux, middleware, storage, and virtualization technologies. Red Hat also offers award-winning support, training, and consulting services. As a connective hub in a global network of enterprises, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT.

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