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EXECUTIVE CHECKLIST: CLOUD-NATIVE PLATFORM

BROCHURE

CHOOSING YOUR CLOUD-NATIVE PATH

Technology has fundamentally changed the way we live. Access to data and information anytime, anywhere is no longer a luxury—it is a requirement, in both our personal and professional lives. For IT organizations, this means pressure has never been greater to deliver higher-quality applications more often, enabling companies to stay relevant and seize digital business opportunities.

Cloud-native is an approach to building applications that takes advantage of cloud computing models and DevOps principles to make the delivery of new features and services faster and more flexible. With a cloud-native strategy, organizations can begin the culture, process, and technology changes needed to meet new demands and become an IT organization that can deliver business innovation faster.

The following checklist will assess your needs and possible business impacts to help you choose a cloud-native platform that benefits the business, developers, and IT operations team.

1. ENABLE DEVELOPER PRODUCTIVITY

- Do you want to give developers the freedom to innovate using the best tool for the job?
- Does your vendor choice limit your developers' choices?
- Do application development choices complicate your infrastructure operations?
- Do you want to support new languages that reduce development time?
- Do you want the agility of cloud but on developers' local laptops?

If you answered "yes" to any of these questions, you should consider an open source cloud-native platform. Maintaining flexible tools gives your developers the choice they need to succeed.

2. CAPITALIZE ON EXISTING INVESTMENTS

- Do you continue to invest in more infrastructure while you have under-utilized capacity?
- Do long delivery times for existing applications negatively impact your organization?
- Do you need public cloud agility for your existing legacy applications?
- Are existing applications excluded from your DevOps initiative?
- Do you want infrastructure portability for your existing applications?
- Do you consider modernizing existing applications but are interested in an incremental, side-by-side approach?
- Does your existing middleware support DevOps and microservices principles?

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

3. MAXIMIZE FUTURE CHOICE

- Does vendor lock-in concern you?
- Do you want the ability to move applications across multiple cloud infrastructures?
- Does your environment support development, test, and production for multiple application development life-cycle stages?
- Do you want to adopt modern application architectures without changing your current infrastructure?
- Do you want the speed of microservices without the management complexity?
- Do you see serverless architecture as an alternative for future applications?

If you answered "yes" to any of these questions, it is important to confirm that your cloud-native platform is actually open (and not a mix of open and proprietary solutions) and based on widely adopted industry standards. True application portability will allow you to maintain control of your environment.

4. MAKE SECURITY A TOP PRIORITY

- Is multitenancy a key element of your enterprise architecture?
- Do you want to give developers a choice of technology but are concerned about the security risks?
- Does security from malicious users or poorly written code cause concerns in your current environment?
- Do you need the security assurances of tested and proven technologies?
- Do you want proactive security tools that inform your teams about security vulnerabilities before the public does?
- Does your technology stack enable rapid security response to viral vulnerabilities?
- Do you want to adopt containers and Kubernetes but are concerned about security assurance and longevity?

If you answered "yes" to any of these questions, you should evaluate whether a cloud-native platform will keep your applications and IT infrastructure secure—and determine if that security will work throughout your stack.

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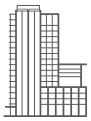

ABOUT RED HAT

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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YOUR CLOUD-NATIVE SOLUTION

Red Hat® OpenShift Container Platform:

- Provides the flexibility to adopt modern architectures like microservices.
- Uses the tools your developers need, including Spring Boot, WildFly Swarm, Eclipse Vert.x, Java™ EE 6/7, .NET Core, Rails, Django, Play, Sinatra, and Zend.
- Allows a choice of languages, including Java, Node.js, Ruby, PHP, Python, and Perl.
- Uses industry-leading Kubernetes to orchestrate and manage application containers at scale.
- Offers multitenancy and protects you from harmful code using established security with Security-Enhanced Linux® (SELinux) and control groups (cgroups).
- 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.