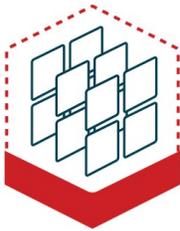# ACCELERATE APP DEVELOPMENT WITH RED HAT AND COUCHBASE

SOLUTION BRIEF

Container application platforms accelerate development

DEVELOP, HOST, AND SCALE YOUR APPS FASTER USING CONTAINERS

Container application platforms combine standardized application packaging, agile development methods, and hybrid cloud infrastructure to help development teams and IT operations drive agility and business innovation. These platforms provide prebuilt and packaged developer tools, runtimes, and automation for faster development cycles. Developers can focus on rapid, high-quality development—using the tools they want to use. And product teams can concentrate on delivering new services and products to market more quickly.

RED HAT OPENSHIFT

Red Hat® OpenShift®—the award-winning Container Platform—helps organizations develop, deploy, and manage traditional, cloud native, and micro-services-based applications seamlessly across infrastructures. Based on Docker container packaging and Kubernetes container cluster management, OpenShift delivers a superior developer experience within a stable, secure, and scalable operating system environment.

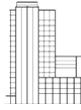OpenShift supports the entire the application life cycle:

- Develop - create applications easily and quickly using a web console, command-line interface, or integrated development environment.
- Build - push code to be built and run on OpenShift through your software version control solution or integrate OpenShift with your own automated build and continuous integration/continuous deployment system.
- Deploy - OpenShift orchestrates where application containers will run and manages the application to ensure it is available for end-users.
- Manage - with OpenShift you can monitor, debug, and scale your app on the fly.

Available as a cloud-based service and for deployment on developer laptops, in enterprise datacenters, and hybrid cloud use cases, Red Hat OpenShift provides a consistent platform so you will be ready to code and deploy your apps faster than ever before.

COUCHBASE SERVER

Couchbase Server is an open source document database based on a distributed, memory-centric architecture for performance, scalability, and availability. It enables developers to build applications faster and easier with a NoSQL database that combines the power of SQL with the flexibility of JSON.

- Memory-centric architecture with integrated caching, memory-to-memory replication, memory-optimized indexes, and SSD-optimized storage.
- SQL-based querying and indexing with full support for left outer and inner joins as well as compound, partial, and covering indexes.
- Simplified administration with an integrated, web-based admin console for cluster-wide management and monitoring, and "push button" scaling.

RED HAT AND COUCHBASE: BETTER TOGETHER

Couchbase Server, the world's highest performing NoSQL database, is now certified and available on Red Hat OpenShift. The combined solution offers an efficient and convenient way for developers to supply highly scalable and reliable database functionality for cloud-based applications and services.

Together, Red Hat OpenShift and Couchbase Server provide an agile and cost-effective framework for efficiently developing and running highly scalable and reliable applications. The combined solution, which has been rigorously tested by Couchbase and fully certified by Red Hat, is ideal for building and scaling web, IoT, big data, mobile, and other contemporary applications.
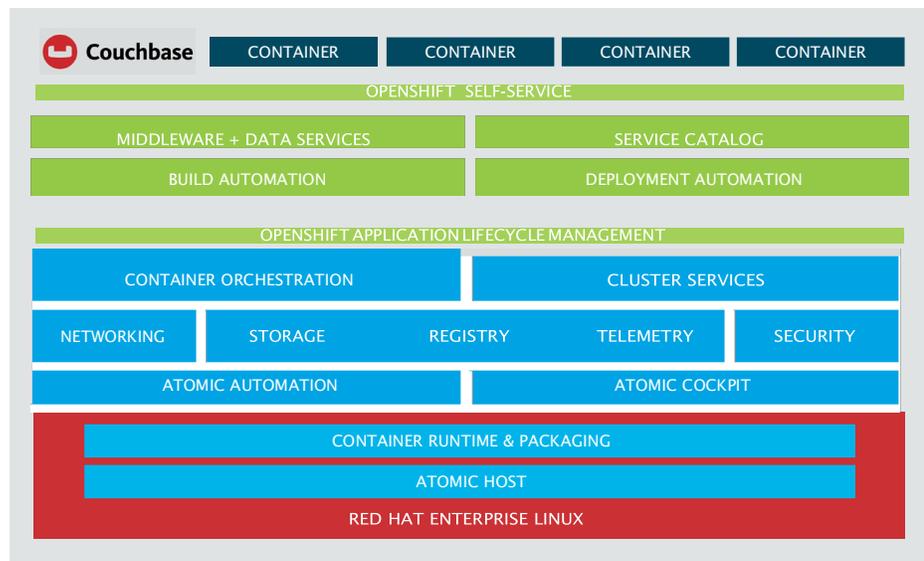
CONCLUSION

To compete in today's fast-paced digital economy you need to develop, deploy, and scale applications quickly and cost-effectively. With Red Hat OpenShift you can focus on creating differentiated applications to grow your business. And with Couchbase Server—the world's most complete, scalable, and highest performing NoSQL database—you can develop with agility and operate at any scale.

To learn more contact your Red Hat or Couchbase sales representative today or visit these websites:
https://www.openshift.com/dedicated/
http://www.couchbase.com/