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# DevOps with OpenShift

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CLOUD DEPLOYMENTS MADE EASY

Stefano Picozzi,  
Mike Hepburn & Noel O'Connor

# DevOps with OpenShift

For many organizations, a big part of DevOps' appeal is software automation using infrastructure-as-code techniques. This book presents developers, architects, and infra-ops engineers with a more practical option. You'll learn how a *container-centric* approach from OpenShift, Red Hat's cloud-based PaaS, can help your team deliver quality software through a self-service view of IT infrastructure.

Three OpenShift experts at Red Hat explain how to configure Docker application containers and the Kubernetes cluster manager with OpenShift's developer- and operational-centric tools. Discover how this infrastructure-agnostic container management platform can help companies navigate the murky area where infrastructure-as-code ends and application automation begins.

- Get an application-centric view of automation—and understand why it's important
- Learn patterns and practical examples for managing continuous deployments such as rolling, A/B, blue-green, and canary
- Implement continuous integration pipelines with OpenShift's Jenkins capability
- Explore mechanisms for separating and managing configuration from static runtime software
- Learn how to use and customize OpenShift's source-to-image capability
- Delve into management and operational considerations when working with OpenShift-based application workloads
- Install a self-contained local version of the OpenShift environment on your computer

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**Stefano Picozzi** leads Red Hat's platform as a service (PaaS) solutions across Australia and New Zealand. He is a specialist in the Red Hat OpenShift Container Platform.

**Mike Hepburn**, ANZ PaaS subject matter expert at Red Hat, has a background in application architecture, and middleware integration and operations.

**Noel O'Connor** is a Principal Consultant and Architect at Red Hat. He has extensive experience leading and delivering key customer projects for Red Hat customers throughout Europe and Asia Pacific regions.



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