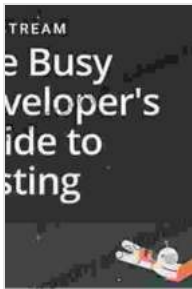


# Deploying to OpenShift: A Comprehensive Guide for Busy Developers

If you're a developer who's looking to deploy your applications to OpenShift, this guide is for you. OpenShift is the leading enterprise-grade platform as a service (PaaS), and it offers a wealth of benefits for developers, including:



## Deploying to OpenShift: A Guide for Busy Developers

★★★★☆ 4.5 out of 5

Language : English  
File size : 3593 KB  
Text-to-Speech : Enabled  
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Enhanced typesetting : Enabled  
Print length : 162 pages



- Automatic scaling and load balancing
- Built-in security and compliance
- Support for multiple languages and frameworks
- Easy integration with other cloud services

This guide will provide you with all the knowledge and skills you need to deploy your applications to OpenShift with ease and confidence. We'll cover everything from creating your first OpenShift project to deploying your application and managing it in production.

## What is OpenShift?

Openshift is a platform as a service (PaaS) that provides a complete development and deployment environment for applications. It includes everything you need to build, deploy, and manage your applications, including:

- A container registry
- A build system
- A deployment engine
- A monitoring and logging system
- A security and compliance framework

Openshift is based on the Kubernetes container orchestration platform, which means that it offers all the benefits of Kubernetes, including:

- Automatic scaling and load balancing
- Built-in security and compliance
- Support for multiple languages and frameworks
- Easy integration with other cloud services

However, Openshift also adds a number of features that make it specifically tailored for enterprise deployments, including:

- A user-friendly web console
- Support for multiple cloud providers
- Enterprise-grade security and compliance

- Dedicated support from Red Hat

## Why use Openshift?

There are many benefits to using Openshift to deploy your applications, including:

- **Increased productivity:** Openshift automates many of the tasks involved in deploying and managing applications, which can free up developers to focus on more strategic initiatives.
- **Improved reliability:** Openshift provides a highly reliable and scalable platform for applications, which can help to reduce downtime and improve customer satisfaction.
- **Reduced costs:** Openshift can help to reduce the cost of deploying and managing applications by eliminating the need for dedicated hardware and software.
- **Increased security:** Openshift provides a number of security features that can help to protect applications from attack, including built-in security scanning and vulnerability management.
- **Improved compliance:** Openshift can help organizations to meet a variety of compliance requirements, including SOC 2, HIPAA, and PCI DSS.

## Who should use this guide?

This guide is intended for developers who are new to Openshift or who want to learn more about how to deploy and manage applications on Openshift. The guide assumes that you have a basic understanding of container technology and Kubernetes.

## **What's in this guide?**

This guide covers everything you need to know to deploy your applications to Openshift, including:

- Creating your first Openshift project
- Building and deploying your application
- Managing your application in production
- Troubleshooting common problems

## **Getting started**

To get started with Openshift, you will need to create an account on the Openshift website. Once you have created an account, you can log in to the Openshift web console and create your first project.

Once you have created a project, you can start building and deploying your application. Openshift supports a variety of languages and frameworks, so you can use the language and framework that you are most comfortable with.

Once you have built your application, you can deploy it to Openshift using the Openshift web console or the Openshift command-line interface (CLI). Openshift will automatically scale your application based on demand, and it will provide you with a variety of tools to monitor and manage your application in production.

Openshift is a powerful platform for deploying and managing applications. It offers a wide range of benefits for developers, including increased productivity, improved reliability, reduced costs, increased security, and

improved compliance. This guide has provided you with all the knowledge and skills you need to deploy your applications to OpenShift with ease and confidence.

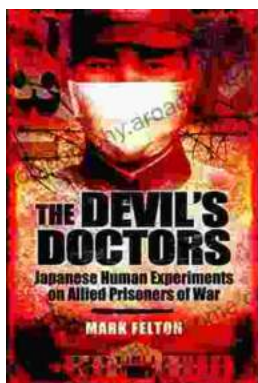
If you have any questions or need additional assistance, please visit the OpenShift website or contact Red Hat support.



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