



Docker High Performance

By Allan Espinosa

[Download now](#)

[Read Online](#) 

Docker High Performance By Allan Espinosa

Key Features

- Implement a scalable Docker infrastructure that has been optimized for greater efficiency
- Tackle the challenges of large-scale container deployment with this fast-paced guide
- Extend your capabilities as a developer to take full advantage of Docker and containerization

Book Description

Docker is a portable container format that allows you to run code anywhere from your desktop to the cloud. The workflow around Docker makes development, testing, and deployment much easier and much faster. However, it's essential that you know the best practices most techniques for optimization so Docker can help you deploy your application most effectively.

This comprehensive guide will improve your Docker workflows and will ensure your application's production environment runs smoothly. It starts with a short refresher on working with Docker, then you will learn how to take this basic knowledge to the next level by optimizing your Docker infrastructure and applications at scale. At the end of the book, we will put the concepts and everything you have learned about Docker's features into practice by rolling out supplementary monitoring and troubleshooting instrumentation to your infrastructure. All of these things will ensure your application succeeds using Docker.

What you will learn

- Tune your Dockerfiles and optimize the performance and size of your Docker containers
- Configure and tune your Docker hosts at scale with Chef
- Deploy containers without downtime using load balancers
- Listen to your Docker container and host logs with an ELK stack
- Monitor the performance of your Docker containers with collectd
- Benchmark the performance of your web application containers with Apache

JMeter

- Troubleshoot and diagnose containers using standard Linux diagnostic tools
- Prepare for production with the most effective DevOps practices

About the Author

Allan Espinosa is a DevOps practitioner living in Tokyo. He is an active open source contributor to various distributed systems tools, such as Docker and Chef. Allan maintains several Docker images for popular open source software that were popular even before their official release from the upstream open source groups.

In his career, Allan has worked on large distributed systems containing hundreds to thousands of servers in production. He has built scalable applications on various platforms ranging from large supercomputing centers in the U.S. to production enterprise systems in Japan.

Allan can be contacted through his Twitter handle @AllanEspinosa. His personal website at <http://aespinoza.github.io> contains several blog posts on Docker and distributed systems in general.

Table of Contents

1. Preparing Docker Hosts
2. Optimizing Docker Images
3. Automating Docker Deployments with Chef
4. Monitoring Docker Hosts and Containers
5. Benchmarking
6. Load Balancing
7. Troubleshooting Containers
8. Onto Production

 [Download Docker High Performance ...pdf](#)

 [Read Online Docker High Performance ...pdf](#)

Docker High Performance

By Allan Espinosa

Docker High Performance By Allan Espinosa

Key Features

- Implement a scalable Docker infrastructure that has been optimized for greater efficiency
- Tackle the challenges of large-scale container deployment with this fast-paced guide
- Extend your capabilities as a developer to take full advantage of Docker and containerization

Book Description

Docker is a portable container format that allows you to run code anywhere from your desktop to the cloud. The workflow around Docker makes development, testing, and deployment much easier and much faster. However, it's essential that you know the best practices most techniques for optimization so Docker can help you deploy your application most effectively.

This comprehensive guide will improve your Docker workflows and will ensure your application's production environment runs smoothly. It starts with a short refresher on working with Docker, then you will learn how to take this basic knowledge to the next level by optimizing your Docker infrastructure and applications at scale. At the end of the book, we will put the concepts and everything you have learned about Docker's features into practice by rolling out supplementary monitoring and troubleshooting instrumentation to your infrastructure. All of these things will ensure your application succeeds using Docker.

What you will learn

- Tune your Dockerfiles and optimize the performance and size of your Docker containers
- Configure and tune your Docker hosts at scale with Chef
- Deploy containers without downtime using load balancers
- Listen to your Docker container and host logs with an ELK stack
- Monitor the performance of your Docker containers with collectd
- Benchmark the performance of your web application containers with Apache JMeter
- Troubleshoot and diagnose containers using standard Linux diagnostic tools
- Prepare for production with the most effective DevOps practices

About the Author

Allan Espinosa is a DevOps practitioner living in Tokyo. He is an active open source contributor to various distributed systems tools, such as Docker and Chef. Allan maintains several Docker images for popular open source software that were popular even before their official release from the upstream open source groups.

In his career, Allan has worked on large distributed systems containing hundreds to thousands of servers in production. He has built scalable applications on various platforms ranging from large supercomputing centers in the U.S. to production enterprise systems in Japan.

Allan can be contacted through his Twitter handle @AllanEspinosa. His personal website at <http://aespinoza.github.io> contains several blog posts on Docker and distributed systems in general.

Table of Contents

1. Preparing Docker Hosts
2. Optimizing Docker Images
3. Automating Docker Deployments with Chef
4. Monitoring Docker Hosts and Containers
5. Benchmarking
6. Load Balancing
7. Troubleshooting Containers
8. Onto Production

Docker High Performance By Allan Espinosa Bibliography

- Sales Rank: #2350471 in Books
- Published on: 2016-01-28
- Released on: 2016-01-28
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x .37" w x 7.50" l, .63 pounds
- Binding: Paperback
- 160 pages

 [Download Docker High Performance ...pdf](#)

 [Read Online Docker High Performance ...pdf](#)

Download and Read Free Online Docker High Performance By Allan Espinosa

Editorial Review

About the Author

Allan Espinosa

Allan Espinosa is a DevOps practitioner living in Tokyo. He is an active open source contributor to various distributed systems tools, such as Docker and Chef. Allan maintains several Docker images for popular open source software that were popular even before their official release from the upstream open source groups. In his career, Allan has worked on large distributed systems containing hundreds to thousands of servers in production. He has built scalable applications on various platforms ranging from large supercomputing centers in the U.S. to production enterprise systems in Japan. Allan can be contacted through his Twitter handle @AllanEspinosa. His personal website at <http://aespinoza.github.io> contains several blog posts on Docker and distributed systems in general.

Users Review

From reader reviews:

Luis Garcia:

The reserve with title Docker High Performance posesses a lot of information that you can understand it. You can get a lot of benefit after read this book. This specific book exist new know-how the information that exist in this guide represented the condition of the world at this point. That is important to yo7u to find out how the improvement of the world. This book will bring you with new era of the the positive effect. You can read the e-book on the smart phone, so you can read the item anywhere you want.

Irving Brehm:

The reason? Because this Docker High Performance is an unordinary book that the inside of the e-book waiting for you to snap the idea but latter it will shock you with the secret the item inside. Reading this book close to it was fantastic author who else write the book in such amazing way makes the content interior easier to understand, entertaining means but still convey the meaning completely. So , it is good for you because of not hesitating having this any more or you going to regret it. This amazing book will give you a lot of gains than the other book have such as help improving your skill and your critical thinking approach. So , still want to hesitate having that book? If I have been you I will go to the publication store hurriedly.

Paul Howell:

Is it you who having spare time in that case spend it whole day simply by watching television programs or just laying on the bed? Do you need something totally new? This Docker High Performance can be the response, oh how comes? The new book you know. You are so out of date, spending your time by reading in this brand-new era is common not a geek activity. So what these publications have than the others?

Bessie Hall:

Do you like reading a guide? Confuse to looking for your selected book? Or your book ended up being rare? Why so many question for the book? But any kind of people feel that they enjoy for reading. Some people likes looking at, not only science book but in addition novel and Docker High Performance or perhaps others sources were given knowledge for you. After you know how the fantastic a book, you feel wish to read more and more. Science reserve was created for teacher or students especially. Those textbooks are helping them to bring their knowledge. In some other case, beside science e-book, any other book likes Docker High Performance to make your spare time more colorful. Many types of book like this one.

Download and Read Online Docker High Performance By Allan Espinosa #L1CN6WYR4XU

Read Docker High Performance By Allan Espinosa for online ebook

Docker High Performance By Allan Espinosa Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Docker High Performance By Allan Espinosa books to read online.

Online Docker High Performance By Allan Espinosa ebook PDF download

Docker High Performance By Allan Espinosa Doc

Docker High Performance By Allan Espinosa Mobipocket

Docker High Performance By Allan Espinosa EPub