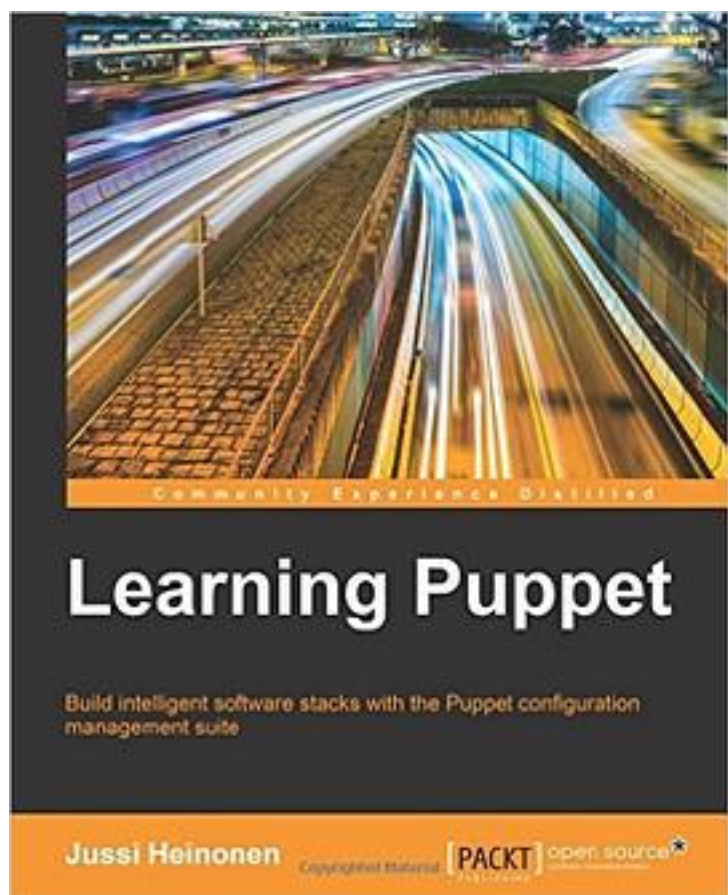


# Learning Puppet - Second Edition



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Build intelligent software stacks with the Puppet configuration management suite

About This Book

Develop high-quality Puppet modules in an isolated development environment  
Manage complex development environments with industry-leading configuration management tool  
A comprehensive guide to get you started with Puppet development and deployment in virtual environments

## Who This Book Is For

If you are new to configuration management and IT automation processes and are looking for better ways to manage system configuration changes at scale, this book is for you. Basic knowledge of Linux System Administration is a prerequisite.

## What You Will Learn

Manage your system with Puppet instantly  
Develop Puppet in an isolated development environment  
Make your manifests reusable to avoid re-inventing the wheel  
Automate monitoring to improve the user experience through increased uptime  
Enable nodes to communicate with each other via Puppet Master  
Make environment configuration dynamic using stored configurations and PuppetDB  
Extend Puppet beyond the built-in functionalities  
Manage your environment through the Puppet Enterprise console

## In Detail

Puppet is a cross-platform, open source configuration management utility, which runs on various Unix, Linux, and Windows Microsoft platforms. It allows you to automate all your IT configurations, giving you control of what you do to each node, and also when and how you do it. You'll be able to build and manage development, test, and production environments independently without requiring previous system administration experience.

Learning Puppet is a step-by-step guide on how to get started with Puppet development and use Puppet modules as the building blocks to deploy production-ready application cluster in virtual environment.

You will begin with the installation of development environment on the VirtualBox hypervisor and Puppet Learning VM that will be used as the platform for testing and development of Puppet modules. Next, you will learn how to manage virtual machines and snapshots effectively and enhance the development experience with advanced VirtualBox features.

Later the book will focus on Puppet module development in detail. You will be guided through the process of utilizing existing modules that are available in the public module repository, write your own modules and use them to deploy a real-world web application that includes features such as monitoring and load balancing. You will then learn to scale your environment and turn your static configuration into a dynamic one through stored configurations and PuppetDB. Finally, the book will provide you with practical advice on Puppet troubleshooting and managing your environment with the wealth of features provided by the Puppet Enterprise console.

## Style and approach

A comprehensive introductory guide to help you manage your infrastructure with Puppet. All instructions and explanations are supported with screenshots and code examples to ensure you get an easy start with Puppet.

作者介绍:

About the Author

Jussi Heinonen

Jussi Heinonen is a seasoned systems developer and an open source enthusiast who lives in Cambridge, UK. He has been working for various software businesses in the media and telecommunications sectors since 1998. During this period, he acquired a few Linux certifications, and more recently, in 2014 and 2015, he passed the Puppet Certified Professional exam. He currently works at the Financial Times as a senior integration engineer. His role revolves around building and designing software delivery pipelines that enable developers to create high-quality software quickly and frequently. In his spare time, he likes to spend time with his family and loves to watch games at Arsenal Football Club.

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