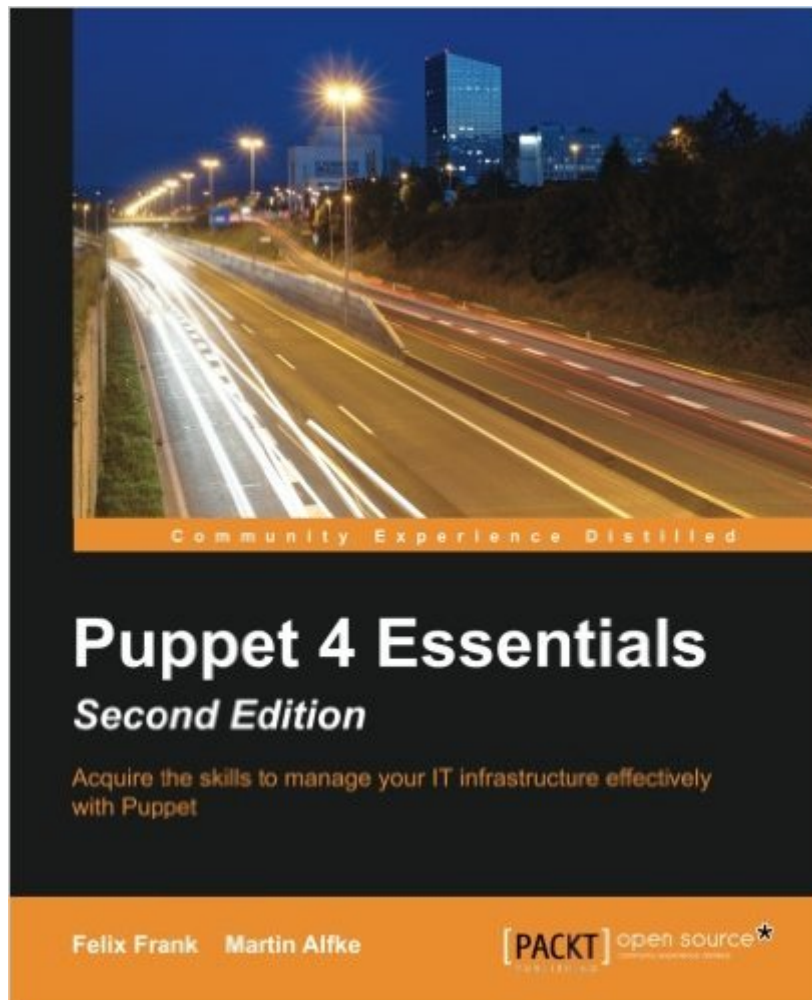


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# Puppet 4 Essentials - Second Edition



## Synopsis

Acquire skills to manage your IT infrastructure effectively with Puppet  
About This Book  
Breeze through Puppet 4's key features and performance improvements to bring real advantage to your IT infrastructure  
Discover Puppet best practices to help you avoid common mistakes and pitfalls  
Blitz through easy-to-follow examples to get to grips with Puppet and succeed with everyday IT automation  
Who This Book Is For  
If you're an experienced IT professional and a new Puppet user, this book will provide you with all you need to know to go from installation to advanced automation in no time at all. Get a rapid introduction to the essential topics and then tackle Puppet for advanced automation.  
What You Will Learn  
Write and employ individual Puppet manifests  
Understand how Puppet implements system abstraction  
Deploy the Puppet master and agents  
Leverage and extend Facter to summarize your systems  
Create modular and reusable Puppet code  
Extend your code base with publicly available Puppet modules  
Use the modern features of Puppet 4  
Separate logic from data using Hiera  
In Detail  
Puppet is a configuration management tool that allows you to automate all your IT configurations, giving you control over what you do to each Puppet Agent in a network, and when and how you do it. In this age of digital delivery and ubiquitous Internet presence, it's becoming increasingly important to implement scalable and portable solutions, not only in terms of software, but also the systems that run it. The free Ruby-based tool Puppet has established itself as the most successful solution to manage any IT infrastructure. Ranging from local development environments through complex data center setups to scalable cloud implementations, Puppet allows you to handle them all with a unified approach.  
Puppet 4 Essentials, Second Edition gets you started rapidly and intuitively as you'll put Puppet's tools to work right away. It will also highlight the changes associated with performance improvements as well as the new language features in Puppet 4.  
We'll start with a quick introduction to Puppet to get you managing your IT systems quickly. You will then learn about the Puppet Agent that comes with an all-in-one (AIO) package and can run on multiple systems. Next, we'll show you the Puppet Server for high-performance communication and passenger packages. As you progress through the book, the innovative structure and approach of Puppet will be explained with powerful use cases. The difficulties that are inherent to a complex and powerful tool will no longer be a problem for you as you discover Puppet's fascinating intricacies.  
By the end of the book, you will not only know how to use Puppet, but also its companion tools Facter and Hiera, and will be able to leverage the flexibility and expressive power implemented by their tool chain.  
Style and approach  
This quick learning guide for Puppet follows a practical approach, starting with some basic commands that you can use from the shell right away. It comprises a series of examples that will get you familiar with the most

important aspects of Puppet in a flash.

## Book Information

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## Customer Reviews

This is the second edition, but it's not clear how the first edition (that I've not read) it's necessary. You will start from writing your first manifest, without any background knowledge of what is Puppet and it's architecture. Maybe was already covered in the previous edition, but in my opinion a short introduction was useful. Compared to other "essential" books this required some initial knowledge, otherwise it's too difficult to learn. Definitely not for beginners. Anyway the examples are clear enough and chapter by chapter you learn more and more. New features of Puppet 4 are covered in chapter 6. A good reference, maybe without a clear path on how use Puppet, but deep enough.

Whether you are new to Puppet or a long time Puppet user Felix and Martin have written a superb manual that DOES cover the essentials needed to get going with Puppet 4. Coming from Puppet 2 and 3, I definitely appreciate their coverage of upgrading to Puppet 4 along with the breaking of old habits like strict variable naming, and learning the new reference syntax. Their coverage of Facts, Types, and Providers is very thorough and there are other nuggets like how to override resource parameters. Definite buy, you won't be disappointed!!!

Puppet 4 Essentials, Second Edition gets you started rapidly. The book also highlights the changes associated with performance improvements as well as the new language features in Puppet 4. The Puppet Agent that comes with an all-in-one (AIO) package and can run on multiple systems was a clincher for me. I will most definitely recommend this book.

The book is very detailed and easy to read, it takes the reader through the different facilities Puppet provides, logging, metrics and reporting, with examples how to implement simple but at the same time powerful processors and integrate them with a wide range of tools, like monitoring, metrics, etc. Overall, I would highly recommend this book.

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