



Mastering Zabbix - Second Edition

By Andrea Dalle Vacche

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Mastering Zabbix - Second Edition By Andrea Dalle Vacche

Learn how to monitor your large IT environments using Zabbix with this one-stop, comprehensive guide to the Zabbix world

About This Book

- Create a tailor-made monitoring solution based on your specific needs
- Learn advanced techniques of Zabbix to monitor networks, performances, and other critical features in large environments
- Integrate, customize, and extend your monitoring solutions with external components and software

Who This Book Is For

This book is intended for system administrators and IT architects who need to better integrate their Zabbix installation with their surrounding environment. A basic, working knowledge of Zabbix and Linux is assumed so that the book can focus on how to use every component to its full advantage. It will also be helpful to be familiar with programming concepts and languages but if not, all the content in the book is thorough and well documented.

What You Will Learn

- Efficiently collect data from a large variety of monitoring objects
- Organize your data in graphs, charts, maps, and slide shows
- Build intelligent triggers and alarms to monitor your network proactively
- Write your own custom probes and monitoring scripts to extend Zabbix
- Configure Zabbix and its database to be high available and fault-tolerant
- Automate repetitive procedures using Zabbix's API
- Integrate Zabbix with external systems
- Understand the protocol and how to interact with it by writing your own custom agent

In Detail

Nowadays monitoring systems play a crucial role in any IT environment. They are extensively used to not only measure your system's performance, but also to forecast capacity issues. This is where Zabbix, one of the most popular monitoring solutions for networks and applications, comes into the picture. With an efficient monitoring system in place you'll be able to foresee when your infrastructure runs under capacity and react accordingly. Due to the critical role a monitoring system plays, it is fundamental to implement it in the best way from its initial setup. This avoids misleading, confusing, or, even worse, false alarms which can disrupt an efficient and healthy IT department.

This new edition will provide you with all the knowledge you need to make strategic and practical decisions about the Zabbix monitoring system. The setup you'll do with this book will fit your environment and monitoring needs like a glove. You will be guided through the initial steps of choosing the correct size and configuration for your system, to what to monitor and how to implement your own custom monitoring component. Exporting and integrating your data with other systems is also covered.

By the end of this book, you will have a tailor-made and well configured monitoring system and will understand with absolute clarity how crucial it is to your IT environment.

Style and approach

This book is an easy to follow, step-by-step guide to monitoring network and performance in large environments with Zabbix. It is designed for real-world Zabbix administrators, and is comprised of a perfect mix of theoretical explanations and practical applications, making it your perfect companion.



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Editorial Review

About the Author

Andrea Dalle Vacche

Andrea Dalle Vacche is a highly skilled IT professional with over 15 years of industry experience. He graduated from Univerista degli Studi di Ferrara with an information technology certification. This laid the technology foundation that Andrea has built on ever since. He has acquired various other industry-respected accreditations from big players in the IT industry, which include Cisco, Oracle, ITIL, and of course, Zabbix. He also has a Red Hat Certified Engineer certification. Throughout his career, he has worked on many large-scale environments, often in roles that have been very complex, on a consultant basis. This has further enhanced his growing skillset, adding to his practical knowledge base and concreting his appetite for theoretical technical studying. Andrea's love for Zabbix came from the time he spent in the Oracle world as a database administrator/developer. His time was mainly spent on reducing "ownership costs" with specialization in monitoring and automation. This is where he came across Zabbix and the technical and administrative flexibility that it offered. With this as a launch pad, Andrea was inspired to develop Orabbix, the first piece of open source software to monitor Oracle that is completely integrated with Zabbix. He has published a number of articles on Zabbix-related software, such as DBforBIX. His projects are publicly available on his website at <http://www.smartmarmot.com>. Currently, Andrea is working as a senior architect for a leading global investment bank in a very diverse and challenging environment. His involvement is very wide ranging, and he deals with many critical aspects of the Unix/Linux platforms and pays due diligence to the many different types of third-party software that are strategically aligned to the bank's technical roadmap. Andrea also plays a critical role within the extended management team for the security awareness of the bank, dealing with disciplines such as security, secrecy, standardization, auditing, regulator requirements, and security-oriented solutions. In addition to this book, he has also authored the following books:

- Mastering Zabbix, Packt Publishing
- Zabbix Network Monitoring Essentials, Packt Publishing

Users Review

From reader reviews:

Irving Hansen:

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