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Autore	Robinson David
Titolo	Aspect-oriented programming with the e verification language [[electronic resource] ] : a pragmatic guide for testbench developers // David Robinson
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Collana	The Morgan Kaufmann series in systems on silicon
Disciplina	005.1/17
Soggetti	Object-oriented programming (Computer science) Electronic books.
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Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references (p. [239]-240) and index.
Nota di contenuto	Front cover; Aspect-Oriented Programming with the e Verification Language; Copyright page; Acknowledgments; Table of Contents; Foreword; Preface; About Verilab; Chapter 1. Introduction to Aspect Oriented Programming (AOP); 1.1. What are aspects? - Part I; 1.2. Why do I need aspects? What's wrong with crosscutting concerns?; 1.3. Surely OOP doesn't have any problems?; 1.4. Why does AOP help?; 1.5. Theory vs real life - What else is AOP good for?; 1.6. What are aspects? - Part II; Chapter 2. AOP in e; 2.1. How do I extend a class? 2.2. How do I extend a class for multiple values of a determinant?2.3. How do I extend a type?; 2.4. How do I introduce a new noncoverage member to a class?; 2.5. How do I introduce a coverage group to a class?; 2.6. How do I extend a coverage group?; 2.7. How do I change the behavior of a method?; 2.8. How do I limit the scope of my extensions?; 2.9. Using return in method advice; 2.10. Controlling the order of method extension calls; Chapter 3. Using AOP to Organize Your Code; 3.1. A word about style; 3.2. What aspects do I want to use?; 3.3. Mapping aspects to files Chapter 4. Creating Flexible CodeChapter 5. Creating Pluggable Code; 5.1. The extendable case statement; 5.2. The factory pattern; Chapter 6. Improving Your Productivity; 6.1. Shifting the power; 6.2. Dealing

with broken code; 6.3. Handling workarounds; 6.4. Reducing and deferring class complexity; 6.5. Adding problem-specific functionality; 6.6. Reducing the OOP-induced overhead; Chapter 7. AOP in Action; 7.1. Creating a class with a selectable algorithm; 7.2. Creating a configuration interface for an eVC; 7.3. Using aspects to create a layered verification environment  
7.4. Creating reusable layered sequences  
7.5. Testing your verification environment; 7.6. Debugging using AOP; 7.7. Encapsulating tests; Chapter 8. Analysing e Code; 8.1. The e toolkit; 8.2. Finding class declarations and extensions; 8.3. Finding the class inheritance hierarchy; 8.4. Finding the determinants used by a class; 8.5. Finding method declarations and extensions; 8.6. Finding field declarations; 8.7. Finding event declarations; 8.8. Finding enumerated type declarations and extensions; 8.9. How do I find where a value is added to a type?  
8.10. Finding cover group declarations and extensions  
8.11. Finding the source of a message in the log file; 8.12. Finding aspects; Bibliography; Epilogue; Index; A; C; D; E; F; H; I; J; M; N; O; P; R; S; U; W

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## Sommario/riassunto

What's this AOP thing anyway, really-when you get right down to it-and can someone please explain what an aspect actually is? Aspect-Oriented Programming with the e Verification Language takes a pragmatic, example based, and fun approach to unraveling the mysteries of AOP. In this book, you'll learn how to: Use AOP to organize your code in a way that makes it easy to deal with the things you really care about in your verification environments. Forget about organizing by classes, and start organizing by functionality, layers, components, protocols, functional coverage, c

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2. Record Nr.	UNINA9910466581103321
Autore	Srivastava Anurag
Titolo	Mastering Kibana 6.x : visualize your Elastic Stack data with histograms, maps, charts, and graphs // Anurag Srivastava
Pubbl/distr/stampa	Birmingham, England : , : Packt, , 2018
ISBN	1-78883-403-8
Edizione	[1st edition]
Descrizione fisica	1 online resource (365 pages)
Disciplina	001.4226
Soggetti	Information visualization Data mining Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Sommario/riassunto	<p>Get to grips with Kibana and its advanced functions to create interactive visualizations and dashboards</p> <p><b>Key Features</b></p> <ul style="list-style-type: none"> <li>Explore visualizations and perform histograms, stats, and map analytics</li> <li>Unleash X-Pack and Timelion, and learn alerting, monitoring, and reporting features</li> <li>Manage dashboards with Beats and create machine learning jobs for faster analytics</li> </ul> <p><b>Book Description</b></p> <p>Kibana is one of the popular tools among data enthusiasts for slicing and dicing large datasets and uncovering Business Intelligence (BI) with the help of its rich and powerful visualizations. To begin with, Mastering Kibana 6.x quickly introduces you to the features of Kibana 6.x, before teaching you how to create smart dashboards in no time. You will explore metric analytics and graph exploration, followed by understanding how to quickly customize Kibana dashboards. In addition to this, you will learn advanced analytics such as maps, hits, and list analytics. All this will help you enhance your skills in running and comparing multiple queries and filters, influencing your data visualization skills at scale. With Kibana's Timelion feature, you can analyze time series data with histograms and stats analytics. By the end of this book, you will have created a speedy machine learning job using X-Pack capabilities. What you will learn</p> <p>Create unique dashboards with various intuitive data</p>

visualizations Visualize Timelion expressions with added histograms and stats analytics Integrate X-Pack with your Elastic Stack in simple steps Extract data from Elasticsearch for advanced analysis and anomaly detection using dashboards Build dashboards from web applications for application logs Create monitoring and alerting dashboards using Beats Who this book is for Mastering Kibana 6.x is for you if you are a big data engineer, DevOps engineer, or data scientist aspiring to go beyond data visualization at scale and gain maximum insights from their large datasets. Basic knowledge of Elasticstack will be an added advantage, although not mandatory.

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