1.	Record Nr.	UNINA9910427035403321
	Autore	Shivakumar Shailesh Kumar
	Titolo	Modern web performance optimization : methods, tools, and patterns to speed up digital platforms / / Shailesh Kumar Shivakumar
	Pubbl/distr/stampa	New York : , : Apress, , [2020] ©2020
	ISBN	1-4842-6528-9
	Edizione	[1st ed. 2020.]
	Descrizione fisica	1 online resource (XXVIII, 433 p. 76 illus.)
	Disciplina	005.276
	Soggetti	Web site development Web sites - Testing Web sites - Design
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Part 1: Introduction to Web Performance Optimization -- Chapter 1: Getting Started with Web Performance Optimization -- Chapter 2: General Web Performance Optimization Methods -- Part 2: Modern Web Optimization -- Chapter 3: Web Performance Optimization Framework -- Chapter 4: Mobile Web Performance Optimization -- Chapter 5: Modern Web Platform Performance Principles -- Part 3: Performance Validation and Infrastructure -- Chapter 6: Web Performance Validation -- Chapter 7: Web Performance Monitoring and Infrastructure Planning -- Part 4: Performance Case Studies -- Chapter 8: Web Performance Optimization Case Study -- Chapter 9: A Case Study of Performance Engineering -- Part 5: Performance Patterns -- Chapter 10: Modern Web Performance Patterns -- Chapter 11: Modern Web Data Patterns -- Chapter 12: Modern Web Integration Patterns -- Appendix A: Web Performance Checklist -- Appendix B: Database Performance Checklist -- Appendix C: Performance Test Report Template -- Appendix D: Performance Test Strategy Template -- Appendix E: Modern Web Application Security Assessment Checklist -- Bibliography.-.
	Sommario/riassunto	Web-based platforms have become vehicles for enterprises to realize their digital strategy and are key to positive user engagement. The performance of these platforms can make the difference between an

effective sale and a negative review. There exist several tools and methodologies to enhance your digital platform's performance, and Modern Web Performance Optimization has arrived to walk you through them with an expert's guidance. Author Shailesh Kumar Shivakumar breaks the study of web performance optimization down into four digestible, applicable dimensions: performance patterns, framework and methods, process and tools, and the modern web. This multi-faceted approach ensures a broad optimization of your platforms and avoids the typical pitfalls of neglecting essential steps that so many often do. Shivakumar analyzes web performance ecosystem components such as validation, governance, metrics, key performance indicators, assessments, and monitoring, just to name a few. The book discusses reference architectures and relevant tools and technologies for successfully implementing a best practices–driven solution. Modern web frameworks such as HTML5 and PWA are also covered. Modern Web Performance Optimization puts readers from any level of experience at ease. Accessible templates, real-world case studies, and your very own performance optimization checklist make this book an engaging and interactive learning opportunity for platform owners across industries. Developers, engineers, project managers, and more are set up for long-term success with Modern Web Performance Optimization at their fingertips.