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Titolo	Advanced Microservices : A Hands-on Approach to Microservice Infrastructure and Tooling / / by Thomas Hunter II
Pubbl/distr/stampa	Berkeley, CA : , : Apress : , : Imprint : Apress, , 2017
ISBN	9781484228876 1484228871
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XVIII, 181 p. 29 illus., 26 illus. in color.)
Disciplina	005.12
Soggetti	Open source software Open Source
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction.- 2. HTTP API Design -- 3. Deployments -- 4. Service Discovery -- 5. Data Flow -- 6. Consumers -- 7. Monitoring -- 8. Documentation -- 9. Collaboration.
Sommario/riassunto	Teaches you to use the many types of tools required to navigate and maintain a microservice ecosystem. This book examines what is normally a complex system of interconnected services and clarifies them one at a time, first examining theoretical requirements then looking at concrete tools, configuration, and workflows. Building out these systems includes many concerns such as containerization, container orchestration, build pipelines and continuous integration solutions, automated testing, service discovery, logging and analytics. You will examine each of these tools and understand how they can be combined within an organization. You will design an automated build pipeline from Pull Request to container deployment, understand how to achieve High Availability and monitor application health with Service Discovery, and learn how to collaborate with other teams, write documentation, and describe bugs. Covering use of Jenkins, Docker, Kubernetes, the ELK stack (Elasticsearch, Logstash, and Kibana), and StatsD and Grafana for analytics, you will build on your existing knowledge of Service-Oriented Architecture and gain an advanced, practical understanding of everything from infrastructure development

to team collaboration. .

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