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| Autore                  | Vohra Deepak  |
| Titolo                  | Docker Management Design Patterns : Swarm Mode on Amazon Web Services // by Deepak Vohra  |
| Pubbl/distr/stampa      | Berkeley, CA : , : Apress : , : Imprint : Apress, , 2017  |
| ISBN                    | 9781484229736<br>1484229738   |
| Edizione                | [1st ed. 2017.]   |
| Descrizione fisica      | 1 online resource (XVIII, 320 p. 239 illus., 210 illus. in color.)  |
| Disciplina              | 004   |
| Soggetti                | Application software<br>Operating systems (Computers)<br>Management information systems<br>Computer Applications<br>Operating Systems<br>Software Management  |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Note generali           | Includes index.   |
| Nota di contenuto       | 1: Getting Started with Docker -- 2: Using Docker in Swarm Mode -- 3: Using Docker for AWS to Create a Multi-Zone Swarm -- 4: Docker Services -- 5: Scaling Services -- 6: Using Mounts -- 7: Configuring Resources -- 8: Scheduling -- 9: Rolling Updates -- 10: Networking -- 11: Logging and Monitoring -- 12: Load Balancing -- 13: Developing a Highly Available Website -- 14: Using Swarm Mode in Docker Cloud -- 15: Using Service Stacks.  |
| Sommario/riassunto      | Master every aspect of orchestrating/managing Docker including creating a Swarm, creating services, using mounts, scheduling, scaling, resource management, rolling updates, load balancing, high availability, logging and monitoring, using multiple zones, and networking. This book also discusses the managed services for Docker Swarm: Docker for AWS and Docker Cloud Swarm mode. Docker Management Design Patterns explains how to use Docker Swarm mode with Docker Engine to create a distributed Docker container cluster and how to scale a cluster of containers, schedule containers on specific nodes, and mount a volume. You will learn to provision a Swarm on |

production-ready AWS EC2 nodes, and to link Docker Cloud to Docker for AWS to provision a new Swarm or connect to an existing Swarm. Finally, you will learn to deploy a Docker Stack on Docker Swarm with Docker Compose. You will: Apply Docker management design patterns Use Docker Swarm mode and other new features introduced in Docker 1.12 and 1.13 Create and scale a Docker service Use mounts including volumes Configure scheduling, load balancing, high availability, logging and monitoring, rolling updates, resource management, and networking Use Docker for AWS managed services including a multi-zone Swarm Build Docker Cloud managed services in Swarm mode.

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