

1. Record Nr.	UNINA9910580177003321
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Titolo	DevOps in Python : infrastructure as Python // Moshe Zadka
Pubbl/distr/stampa	New York, NY : , : Apress, , [2022] ©2022
ISBN	1-4842-7996-4
Edizione	[2nd edition.]
Descrizione fisica	1 online resource (245 pages)
Disciplina	005.1
Soggetti	Computer software - Development - Management Python (Computer program language) Software support - Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes index.
Nota di contenuto	Chapter 1: Installing Python Chapter 2: Packaging Chapter 3: Interactive usage Chapter 4: OS Automation Chapter 5: Testing Chapter 6: Text manipulation Chapter 7: Requests -> httpx Chapter 8: Cryptography Chapter 9: Paramiko Chapter 10: Salt Stack Chapter 11: Ansible Chapter 12: Containers Chapter 13: AWS Chapter 14: Kubernetes Chapter 15: Terraform
Sommario/riassunto	Take advantage of Python to automate complex systems with readable code. This new edition will help you move from operations/system administration into easy-to-learn coding. You'll start by writing command-line scripts and automating simple DevOps-style tasks followed by creating reliable and fast unit tests designed to avoid incidents caused by buggy automation. You'll then move on to more advanced cases, like using Jupyter as an auditable remote-control panel and writing Ansible and Salt extensions. The updated information in this book covers best practices for deploying and updating Python applications. This includes Docker, modern Python packaging, and internal Python package repositories. You'll also see how to use the AWS API, and the Kubernetes API, and how to automate Docker container image building and running. Finally, you'll work with Terraform from Python to allow more flexible templating and customization of environments.

