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Titolo	Hands-on Azure pipelines : understanding continuous integration and deployment in Azure DevOps // Chaminda Chandrasekara, Pushpa Herath
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ISBN	9781484259023 1484259025
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Descrizione fisica	1 online resource (XV, 201 pages) : illustrations
Disciplina	004.6782
Soggetti	Microsoft software Computer networks Cloud computing Microsoft and .NET Computer Communication Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Chapter 1: Understanding the Importance of Software Delivery Automation -- Chapter 2: Overview of Azure Pipelines -- Chapter 3: Setting Up Pools, Deployment Groups and Agents -- Chapter 4: Creating Build Pipelines – Classic – Source Control, Templates, Jobs and Tasks -- Chapter 5: Creating Build Pipelines – Classic – Variables, Triggers, Filters, Options and Retaining -- Chapter 6: Creating Build Pipelines – Classic – Queuing, Debugging, Task Groups, Artifacts and Import/Export -- Chapter 7: Using Artifacts -- Chapter 8: Creating and using YAML build pipelines -- Chapter 9: Azure Release Pipelines – Service Connections, Templates, Artifacts, Stages and Environments -- Chapter 10: Azure Release Pipelines – Jobs, Deployment Groups, Variable and Other Options -- Chapter 11: REST API, Command Line and Extension Development -- Chapter 12: Integrating Tests to Pipelines.
Sommario/riassunto	Build, package, and deploy software projects, developed with any language targeting any platform, using Azure pipelines. The book starts with an overview of CI/CD and the need for software delivery

automation. It further delves into the basic concepts of Azure pipelines followed by a hands-on guide to setting up agents on all platforms enabling software development in any language. Moving forward, you will learn to set up a pipeline using the classic Visual Editor using PowerShell scripts, a REST API, building edit history, retention, and much more. You'll work with artifact feeds to store deployment packages and consume them in a build. As part of the discussion you'll see the implementation and usage of YAML (Yet Another Markup Language) build pipelines. You will then create Azure release pipelines in DevOps and develop extensions for Azure pipelines. Finally, you will learn various strategies and patterns for developing pipelines and go through some sample lessons on building and deploying pipelines. After reading Hands-on Azure Pipelines, you will be able to combine CI and CD to constantly and consistently test and build your code and ship it to any target. You will:

- Work with Azure build-and-release pipelines
- Extend the capabilities and features of Azure pipelines
- Understand build, package, and deployment strategies, and versioning and patterns with Azure pipelines
- Create infrastructure and deployment that targets commonly used Azure platform services
- Build and deploy mobile applications
- Use quick-start Azure DevOps projects.
