

# Red Hat DevOps Pipelines and Processes: CI/CD with Jenkins, Git, and Test Driven Development

Kód kurzu: DO400

Build essential skills to implement agile and DevOps development processes and workflows. DevOps practices have enabled organizations to undergo a digital transformation, moving from a monolithic waterfall approach to a rapidly deploying cloud-based agile process. This transformation requires a team of developers trained to use tools that enable them to spend more time coding and testing and less time troubleshooting. Red Hat DevOps Pipelines and Processes: CI/CD with Jenkins, Git, and Test-Driven Development (TDD) is a practical introduction to DevOps for developers that teaches students the necessary skills and technologies for automated building and deploying of cloud-native applications.

| Pobočka    | Dní | Katalógová cena | ITB |
|------------|-----|-----------------|-----|
| Praha      | 4   | 2 540 €         | 0   |
| Bratislava | 4   | 2 540 €         | 0   |

Všetky ceny sú uvedené bez DPH.

## Termíny kurzu

| Dátum      | Dní | Cena kurzu | Typ výučby | Jazyk výučby | Lokalita          |
|------------|-----|------------|------------|--------------|-------------------|
| 15.09.2025 | 5   | 2 540 €    | Online     | EN           | Red Hat - Online  |
| 22.09.2025 | 5   | 2 540 €    | Online     | EN           | Red Hat - Online  |
| 03.11.2025 | 4   | 2 540 €    | Prezenčný  | EN           | Knowledge Factory |

Všetky ceny sú uvedené bez DPH.

## Pre koho je kurz určený

This course is designed for application developers.

## Čo Vás naučíme

- Version control with Git
- Build and execute Jenkins pipelines
- Release strategies
- Build applications with Test Driven Development
- Security scanning and code analysis of applications
- Monitor applications and pipelines
- Consume and troubleshoot pipelines

## Požadované vstupné znalosti

- Experience with application development or Red Hat Application Development I: Programming in Java EE (AD183)
- Proficiency in using an IDE such as Red Hat® Developer Studio or VSCode
- Introduction to OpenShift Applications (DO101) (Recommended, not required)
- Take our free assessment to gauge whether this offering is the best fit for your skills.

## Študijné materiály

Príručka ku kurzu firmy Red Hat podľa programu kurzu.

## Osнова kurzu

Introduction to continuous integration and continuous deployment (CI/CD)

- Describe the principles of DevOps and the role of Jenkins.

Integrate source code with version control

- Manage source code changes with Git version control.

### GOPAS Praha

Kodaňská 1441/46  
101 00 Praha 10  
Tel.: +420 234 064 900-3  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Brno

Nové sady 996/25  
602 00 Brno  
Tel.: +420 542 422 111  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 248 282 701-2  
[info@gopas.sk](mailto:info@gopas.sk)



Copyright © 2020 GOPAS, a.s.,  
All rights reserved

# Red Hat DevOps Pipelines and Processes: CI/CD with Jenkins, Git, and Test Driven Development

## Test applications

- Describe the foundational principles behind comprehensive application testing and implement unit, integration, and functional testing.

## Build applications with test-driven development

- Implement and build application features with TDD.

## Author pipelines

- Create basic pipelines to run Jenkins jobs.

## Deploy applications with pipelines

- Safely and automatically deploy applications to Red Hat OpenShift Container Platform.

## Implement pipeline security and monitoring

- Manage the security and monitor the performance of pipelines.

## Consume pipelines

- Work with (or “Use”) and troubleshoot CI/CD pipelines for automated deployment and automated testing.

### GOPAS Praha

Kodaňská 1441/46  
101 00 Praha 10  
Tel.: +420 234 064 900-3  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Brno

Nové sady 996/25  
602 00 Brno  
Tel.: +420 542 422 111  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 248 282 701-2  
[info@gopas.sk](mailto:info@gopas.sk)



Copyright © 2020 GOPAS, a.s.,  
All rights reserved