

# Red Hat Transformational Learning: Introduction to Pragmatic Site Reliability Engineering

Course code: TL112

A pragmatic introduction to the Site Reliability Engineering implementation of DevOps Red Hat Transformational Learning: Introduction to Pragmatic Site Reliability Engineering (TL112) teaches the vocabulary, concepts and cultural considerations required to prepare to adopt an implementation of DevOps referred to as Site Reliability Engineering (SRE). In this course, the history, definitions, and Red Hat specific take on this practice will be explored as the student prepares to continue the learning path of joining or implementing an SRE team.

## Who is the course for

- DevOps Practitioners
- System Administrators
- Software Developers

## What we teach you

- Introduction to Site Reliability Engineering
- Determining Operational Readiness
- Describing Toil and Implementing Automation
- Explaining and Calculating Error Budgets
- Explaining Incident Management
- Implementing Site Reliability Engineering

## Required skills

There are no prerequisites for this course.

## Course outline

Introduction to Site Reliability Engineering

- Compare and contrast traditional systems administration with Site Reliability Engineering (SRE) and DevOps.

Determining Operational Readiness

- Determine if your organization is ready to adopt SRE principles

Describing Toil and Implementing Automation

- Define and describe toil and how to leverage automation.

Explaining and Calculating Error Budgets

- Explain the importance of setting error budgets

Explaining Incident Management

- Describe incident management and the relationship to Site Reliability Engineering

## What you need to know

### Impact on the organization

Organizations moving toward DevOps transformation may consider implementing practices defined in Site Reliability Engineering. This course provides the fundamental concepts and terminology required for teams to speak a common language and gain a shared understanding of how to implement SRE within their teams.

### Impact on the individual

After successfully completing this course, a student will gain an understanding of Site Reliability Engineering and how it relates to their understanding of the role and fit within an organization. The student will be prepared to continue the Transformational Learning path.

#### 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)



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