

Updated 07/06/2024

Sign up

Infisical training

2 days (14 hours)

Presentation

Our Infisical training course will enable you to manage your secrets and configurations within your DevOps environments. It's a tool that provides an encrypted and secure end-to-end solution in which you can store and distribute your [application secrets](#). Infisical ensures that sensitive data is protected throughout the development cycle.

Our program will enable you to master Infisical's architecture and key components for managing your sensitive data. You'll also get a comprehensive overview of the resources and documentation available to you as you work with the tool.

Our training focuses primarily on creating and managing projects within Infisical. It covers adding, modifying, deleting and managing secret versions, as well as the use of development, test and production environments.

Like all our training courses, it runs on the latest version of the tool: [Infisical 0.66](#)

Objectives

- Knowledge of Infisical architecture
- Managing secrets and configuration with the tool
- Create secret access policies

Target audience

- **DevOps**
- Cloud engineers
- Cybersecurity experts

Prerequisites

- Knowledge of Docker
- Knowledge of CI/CD pipelines
- Understanding Kubernetes

OUR INFISICAL TRAINING PROGRAM

INTRODUCTION TO INFISICAL

- Introducing the secrets management platform
- Benefits of using Infisical for secure secret management
- Architecture and main components
- Review of typical use cases and benefits for developers and operations
- Overview of available documentation and resources

INSTALLING AND CONFIGURING INFISICAL

- Installation requirements and supported environments
- Step-by-step installation on Docker and Kubernetes via Helm Chart
- Initial setup and first steps
- Setting up the development and production environment
- Good safety practice during installation and configuration

SECRETS MANAGEMENT WITH INFISICAL

- Project creation and management
- Adding, modifying, deleting and versioning secrets
- Use of development, test and production environments
- Methods for recovering secrets at a point in time
- Manage user access and rights to secrets

USE OF INFISICAL CLI AND SDK INTEGRATION

- Introduction to the Infisical CLI and basic commands
- Integration with Python and Node.js via Infisical SDKs
- Development of an example application using secrets managed by Infisical
- Dynamic management of secrets in development and production applications
- Best practices for using SDKs and securing applications

AUTHENTICATION AND ACCESS CONTROL

- Supported authentication methods
- Configuring role-based access controls
- Set up approval workflows for critical accesses
- Secure connection between applications and Infisical

- Audit and compliance: monitoring access to and modification of secrets

HIGH AVAILABILITY, MAINTENANCE AND UPGRADES

- Strategies for ensuring high availability
- Emergency recovery planning and management
- System updates and maintenance
- Tracking changes with the changelog
- Self-hosting and customization to suit business needs

Companies concerned

This training course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.