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Akeyless training: The unified secrets management platform

2 days (14 hours)

Presentation

Find out how to master the full range of Akeyless features, from full cloud and hybrid solutions to data security.

Once you've completed this course, you'll know all the secrets of Akeyless, whether in the cloud or on-premise.

You'll be able to understand the Akeyless architecture and how it works, and master best practices for managing secrets.

During this training course, you'll learn how to manipulate the management console, prepare your data, and configure your infrastructure to meet your specific needs.

As with all our training courses, this Akeyless course will feature the [latest resources](#).

Objectives

- Understand the importance of secrets management in DevOps and hybrid cloud environments
- Acquire in-depth knowledge of the underlying architecture of Akeyless and its operation
- Mastering best practices

Target audience

- Developers
- Infrastructure engineer

- System administrators
- DevOps

Prerequisites

Basic knowledge of cloud concepts.

Our Akeyless training program

Fundamentals of secrets management

- Understand the importance of secrets management in a business environment
 - DevOps
 - Hybrid clouds
- Safety challenges
 - Certificates
 - Identification information
 - Keys
- Introducing Akeyless
- Advantages of Akeyless
- Differences between Akeyless and other secret management solutions
- The main players

Akeyless Architecture

- How Akeyless works
- Using Akeyless components
- Integrating Akeyless in DevOps and hybrid cloud environments
- Introduction to APIs and user interfaces
- Workflows
- Security and compliance in Akeyless architecture

Practice and configuration

- Infrastructure installation and configuration
- Secret management: Creation, storage and retrieval
- Automating security workflows
- Sector-specific use cases
- Best practices
- Examples of real-life scenarios

Certificate security

- Centralized certificate management

- Automatic certificate renewal
- Configuring SSL/TLS certificates
- Certificate management for web and mobile applications
- Akeyless integration with external certification authorities
- Detecting and responding to certificate-related incidents

Identification information management

- Securing application credentials
- Automatic rotation of identification information
- Multi-factor authentication
- Managing database identification information
- Akeyless integration with directory systems
- Use case examples: Password-free applications

Key management

- Encryption key protection
- Key management
- End-to-end encryption with Akeyless
- Key access control and auditing
- Key management for IoT applications

Companies concerned

This 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.

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.

