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Konveyor training

2 days (14 hours)

Presentation

Accelerate your application modernization to Kubernetes with our Konveyor training. This open source platform helps organizations transition to new technologies.

Categorize and group applications according to different dimensions based on technical criteria or your company's structure. You'll learn how to successfully migrate your applications.

Assign priorities, evaluate the estimated migration effort and define an optimal migration strategy for individual applications.

With this tool, you'll have an overview throughout the migration process, so you can make decisions at portfolio or application level.

This training will be presented with the latest Konveyor features, version 0.3.0 (at the time of publication).

Objectives

- Manage users, control access and monitor migration processes
- Prepare and configure instances for migration
- Navigating Konveyor's various user interfaces

Target audience

- Developers
- DevOps
- Cloud engineers

PREREQUISITES

- Basic understanding of cloud computing concepts
- Knowledge of software development
- Familiarity with versioning tools such as Git

KONVEYOR TRAINING PROGRAM

INITIATION

- Introducing Konveyor and its role in cloud migration
- Exploring the aims and benefits of using Konveyor
- Understanding the cloud migration landscape and Konveyor's place in it
- Overview of the Konveyor ecosystem and its key components
- Discussion of usage scenarios and case studies

CONTRIBUTION TO THE KONVEYOR PROJECT

- Understanding the Konveyor project structure and development workflow
- Learn how to contribute effectively to the project
- Procedures for submitting contributions and collaborating via Git and GitHub
- Good development and code submission practices
- Interaction and use of support resources

ADMINISTRATIVE TASKS

- User management and access control
- Monitor migration processes with Konveyor administration tools
- Routine troubleshooting and problem-solving techniques
- Setting up monitoring and warning systems for migrations
- Understanding migration reports and performance metrics

UNDERSTANDING USER INTERFACES

- Navigating Konveyor views
- Interpreting dashboards and migration progress indicators
- Use analysis and visualization tools to assess migration status
- Customize views according to user needs
- Alert and notification management

PREPARING AND CONFIGURING INSTANCES FOR MIGRATION

- Instance initialization process (Seeding Instances)
- Setting up and configuring work environments
- Best practices for preparing applications for migration
- Creation of migration plans and failover strategies
- Validation and pre-migration testing

INSTALLING AND CONFIGURING KONVEYOR

- Konveyor installation steps on different environments
- Managing dependencies and prerequisites for successful installation
- Initial configuration and parameterization
- Setting up a test environment
- Konveyor production deployment and best practices

EVALUATION AND ANALYSIS OF APPLICATIONS FOR MIGRATION

- Methods for assessing application compatibility with the cloud
- Konveyor tools for application analysis
- Determining migration strategies for each application
- Migration planning and estimation of costs and resources required
- Preparation of analysis reports for decision-makers

ADDING AND MIGRATING APPLICATIONS WITH KONVEYOR

- Procedure for adding applications to the Konveyor system
  - Kubernetes
- Configure application-specific parameters for migration
- Monitoring and managing the application migration process
- Techniques for optimizing migrations and reducing downtime
- Post-migration validation and feedback

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.

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.