

AZ-400T01-T07 - Azure DevOps Engineer

Czas trwania: Czas trwania: 5 dni / 40 godz.

Cena rynkowa: 3 950,00 zł

Cena promocyjna: Zadzwo - 801 30 30 30

Szkolenie autoryzowane: Tak

Microsoft Partner

Gold Learning
Silver Application Development
Silver Application Integration
Silver Collaboration and Content
Silver Data Analytics
Silver Data Platform
Silver Datacenter
Silver Devices and Deployment
Silver Hosting
Silver Identity and Access
Silver Intelligent Systems
Silver Messaging
Silver Midmarket Solution Provider

Informacje o szkoleniu

The five-day AZ-400T01-T07 Azure DevOps Engineer Expert training (exam AZ-400) includes the following modules: AZ-400T01 Implementing DevOps Development Processes , AZ-400T03 Implementing Continuous Delivery , AZ-400T04 Implementing Dependency Management , AZ-400T05 Implementing Application Infrastructure , AZ-400T06 Implementing Continuous Feedback , AZ-400T07 Designing a DevOps Strategy .

Benefits:

After completing this course, students should be able to: AZ-400T01:

- Describe the benefits of using source control
- Migrate from TFVC to Git
- Scale Git for Enterprise DevOps
- Implement and manage build infrastructure
- Manage application config & secrets
- Implement a mobile DevOps strategy

AZ-400T03:

- Differentiate between a release and a deployment
- Define the components of a release pipeline
- Explain things to consider when designing your release strategy
- Classify a release versus a release process, and outline how to control the quality of both
- Describe the principle of release gates and how to deal with release notes and documentation
- Explain deployment patterns, both in the traditional sense and in the modern sense
- Choose a release management tool
- Explain the terminology used in Azure DevOps and other Release Management Tooling
- Describe what a Build and Release task is, what it can do, and some available deployment tasks
- Classify an Agent, Agent Queue and Agent Pool
- Explain why you sometimes need multiple release jobs in one release pipeline
- Differentiate between multi-agent and multi-configuration release job
- Use release variables and stage variables in your release pipeline
- Deploy to an environment securely, using a service connection
- Embed testing in the pipeline

List the different ways to inspect the health of your pipeline and release by using, alerts, service hooks and reports

Create a release gate

Describe deployment patterns

Implement Blue Green Deployment

Implement Canary Release

Implement Progressive Exposure Deployment

AZ-400T04:

Recommend artifact management tools and practices

Abstract common packages to enable sharing and reuse

Inspect codebase to identify code dependencies that can be converted to packages

Identify and recommend standardized package types and versions across the solution

Refactor existing build pipelines to implement version strategy that publishes packages

Manage security and compliance

Inspect open source software packages for security and license compliance to align with corporate standards

Configure build pipeline to access package security and license rating

Configure secure access to package feeds

AZ-400T05:

Apply infrastructure and configuration as code principles

Deploy and manage infrastructure using Microsoft automation technologies, such as ARM templates, PowerShell, and Azure CLI

Describe deployment models and services that are available with Azure

Deploy and configure a Managed Kubernetes cluster

Deploy and configure infrastructure using 3rd party tools and services with Azure, such as Chef, Puppet, Ansible, SaltStack, and Terraform

Define an infrastructure and configuration strategy and appropriate toolset for a release pipeline and application infrastructure

Implement compliance and security in your application infrastructure

AZ-400T06:

Design practices to measure end-user satisfaction

Design processes to capture and analyze user feedback from external sources

Design routing for client application crash report data

Recommend monitoring tools and technologies

Recommend system and feature usage tracking tools

Configure crash report integration for client applications

Develop monitoring and status dashboards

Implement routing for client application crash report data

Implement tools to track system usage, feature usage, and flow

Integrate and configure ticketing systems with development team's work management system

Analyze alerts to establish a baseline

Analyze telemetry to establish a baseline
Perform live site reviews and capture feedback for system outages
Perform ongoing tuning to reduce meaningless or non-actionable alerts

AZ-400T07:

Plan for the transformation with shared goals and timelines.
Select a project and identify project metrics and KPIs.
Create a team and agile organizational structure.
Develop a project quality strategy.
Plan for secure development practices and compliance rules.
Migrate and consolidate artifacts.
Migrate and integrate source control measures.

Target audience: Students in this course are interested in passing the Microsoft Azure DevOps Solutions certification exam.

Wymagania wst pne

Brak

Zagadnienia poruszane podczas szkolenia

- ▣ Course Outline AZ-400T01-T07: AZ-400T01 Implementing DevOps Development Processes ,
- ▣ Module 1: Getting started with Source ControlLessons
- ▣ Module 2: Scaling git for enterprise DevOpsLessons
- ▣ Module 3: Implement & Manage Build InfrastructureLessons
- ▣ Module 4: Managing application config & secretsLessons
- ▣ Module 5: Implement a mobile DevOps strategyLessons
- ▣ AZ-400T03 Implementing Continuous Delivery ,
- ▣ Module 1: Design a Release StrategyLessons
- ▣ Module 2: Set up a Release Management WorkflowLessons
- ▣ Module 3: Implement an appropriate deployment patternLessons
- ▣ AZ-400T04 Implementing Dependency Management ,
- ▣ Module 1: Designing a Dependency Management StrategyLessons
- ▣ Module 2: Manage security and compliance
- ▣ AZ-400T05 Implementing Application Infrastructure ,
- ▣ Module 1: Infrastructure and Configuration Azure ToolsLessons
- ▣ Module 2: Azure Deployment Models and ServicesLessons
- ▣ Module 3: Create and Manage Kubernetes Service InfrastructureLessons
- ▣ Module 4: Third Party and Open Source Tools available with AzureLessons
- ▣ Module 5: Implement Compliance and Security in your InfrastructureLessons
- ▣ Module 6: Course Completion
- ▣ AZ-400T06 Implementing Continuous Feedback ,
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Module 1: Recommend and design system feedback mechanismsLessons

- ▣ Module 2: Implement process for routing system feedback to development teamsLessons
- ▣ Module 3: Optimize feedback mechanisms
- ▣ AZ-400T07 Designing a DevOps Strategy .
- ▣ Module 1: Planning for DevOpsIn this module, students will learn about transformation planning, project selection, and team structures. Lessons
- ▣ Module 2: Planning for Quality and SecurityIn this module, students will learn about developing a quality strategy and planning for secure development. Lessons
- ▣ Module 3: Migrating and Consolidating Artifacts and Tools

Informacje dodatkowe

Brak

Typy szkolenia

Tradycyjne

Wi cej informacji:

Zadzwo 801 30 30 30 lub napisz szkolenia@assecods.pl