AZ-2001T00 Implement security through a pipeline using Azure DevOps

Category: Cloud Platforms | **Vendor:** Microsoft Technical

Duration: 8.00 hours (1 days) **6.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Microsoft Applied Skills: Implement security through a pipeline using Azure DevOps
Related Exam:	AZ-2001

Course Overview

This learning path helps you prepare for the Implement security through a pipeline assessment using Azure DevOps. Learn how to configure and secure Azure Pipelines. You'll also get opportunities to practice hands-on skills. These skills include configuring secure access to pipeline resources, configuring, and validating permissions, configuring a project and repository structure, extending a pipeline, configuring pipelines to use variables and parameters securely, and managing identity for projects, pipelines, and agents.

About This Course

This learning path helps you prepare for the Implement security through a pipeline assessment using Azure DevOps. Learn how to configure and secure Azure Pipelines. You'll also get opportunities to practice hands-on skills. These skills include configuring secure access to pipeline resources, configuring, and validating permissions, configuring a project and repository structure, extending a pipeline, configuring pipelines to use variables and parameters securely, and managing identity for projects, pipelines, and agents.

Prerequisites & Entry Requirements

General Prerequisites:

- Basic knowledge of Azure DevOps.
- Basic knowledge of security concepts like identities and permissions.
- Experience using the Azure portal to create resources like Azure Key Vault and set permissions.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Configure secure access to pipeline resources Configure and validate permissions Configure a project and repository structure to support secure pipelines Extend a pipeline to use multiple templates Manage identity for projects, pipelines, and agents

Detailed Course Outline

1 - Configure a project and repository structure to support secure pipelines

- Organize project and repository structure
- Configure secure projects and repositories

2 - Manage identity for projects, pipelines, and agents

- Configure a Microsoft-hosted pool
- Configure agents for projects
- Configure agent identities
- Configure the scope of a service connection
- Understand and convert to a Managed Identity

3 - Configure secure access to pipeline resources

- Configure agent pools
- Use secret variables and variable groups
- Understand secure files
- Configure service connections
- Manage environments
- Secure repositories

4 - Configure and validate permissions

- Configure and validate user permissions
- Configure and validate pipeline permissions
- Configure and validate approval and branch checks
- Manage and audit permissions

5 - Extend a pipeline to use multiple templates

- Create a nested template
- Rewrite the main deployment pipeline
- Configure the pipeline and the application to use tokenization
- Remove plain text secrets
- Restrict agent logging
- Identify and conditionally remove script tasks

6 - Configure secure access to Azure Repos from pipelines

- Configure pipeline access to packages
- Configure pipeline access to credential secrets
- Configure pipeline access to secrets for services
- Use Azure Key Vault to secure secrets
- Explore and secure log files

7 - Configure pipelines to securely use variables and parameters

- Ensure parameter and variable types
- Identify and restrict insecure use of parameters and variables
- Move parameters into a YAML file
- Limit queue time variables
- Validate mandatory variables

□□ Certification Path

Microsoft Applied Skills: Implement security through a pipeline using Azure DevOps

Exam: AZ-2001

Upcoming Schedule

Available training dates for AZ-2001T00 Implement security through a pipeline using Azure DevOps:

Start Date	End Date	Location	Delivery	Price
23 Dec 2026	23 Dec 2026	Online	Virtual	€695.00

Frequently Asked Questions

Q: What delivery options are available for AZ-2001T00 Implement security through a pipeline using Azure DevOps?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The AZ-2001T00 Implement security through a pipeline using Azure DevOps course helps prepare you for the Microsoft Applied Skills: Implement security through a pipeline using Azure DevOps certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the AZ-2001 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 1-day AZ-2001T00 Implement security through a pipeline using Azure DevOps course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the AZ-2001T00 Implement security through a pipeline using Azure DevOps training?

The training takes place over 1 day(s), with each day lasting approximately 8.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for AZ-2001T00 Implement security through a pipeline using Azure DevOps?

Yes, we provide corporate training, dedicated training, and closed classes for AZ-2001T00 Implement security through a pipeline using Azure DevOps. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for AZ-2001T00 Implement security through a pipeline using Azure DevOps?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your AZ-2001T00 Implement security through a pipeline using Azure DevOps training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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