AZ-2008 DevOps Foundations: The Core Principles and Practices

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: DevOps Foundations
Related Exam:	AZ-2008

Course Overview

This course provides fundamental level skills in DevOps practices. Students will learn about the DevOps culture and how to optimize application lifecycle management through Agile planning and management, version control, continuous integration, continuous testing, shift-left testing, continuous deployment/delivery, infrastructure as code, observability, security monitoring, Site Reliability Engineering, and platform engineering.

About This Course

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Who Should Attend

This course is designed for students who are interested in exploring DevOps culture and practices.

Prerequisites & Entry Requirements

General Prerequisites:

Basic familiarity with IT terms and concepts.

Learning Outcomes

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

Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with DevOpsDeliver with DevOpsOperate with DevOps, Course ObjectivesDiscover DevOps Plan with DevOpsDevelop with

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Detailed Course Outline

1 - Discover DevOps

- What is DevOps?
- Explore DevOps culture
- Explore DevOps goals and benefits
- Explore DevOps application lifecycle
- Module assessment

2 - Plan with DevOps

- Foster DevOps culture
- What is Agile?
- Explore DevOps practices
- Plan with GitHub
- Agile plan and management using GitHub
- Module assessment

3 - Develop with DevOps

- Explore source control and version control
- Explore version control using Git
- Explore GitHub flow
- Explore Continuous Integration
- Explore shift-left testing
- Explore shift-left security
- Implement flow of work with GitHub
- Module assessment

4 - Deliver with DevOps

- Explore continuous delivery
- Explore Infrastructure as Code
- Explore progressive exposure techniques
- Explore continuous delivery with GitHub Actions
- Implement CI/CD with GitHub Actions and IaC with Bicep
- Module assessment

5 - Operate with DevOps

- Explore operational excellence
- Explore shift-right testing
- Explore observability through performance monitoring
- Explore observability through security assessment
- Explore resiliency with site reliability engineering
- Improve developer experience with platform engineering
- Enhance workload resiliency Traffic Manager and Azure Chaos Studio
- Module assessment

, Discover DevOps, Plan with DevOps, Develop with DevOps, Deliver with DevOps, Operate with DevOps

📜 Certification Path

Microsoft Applied Skills: DevOps Foundations

Exam: AZ-2008

Upcoming Schedule

Available training dates for AZ-2008 DevOps Foundations: The Core Principles and Practices:

Start Date	End Date	Location	Delivery	Price
25 Nov 2026	25 Nov 2026	Online	Virtual	€695.00
10 Dec 2026	11 Dec 2026	Online	Virtual	€1,495.00

Frequently Asked Questions

Q: What delivery options are available for AZ-2008 DevOps Foundations: The Core Principles and Practices?

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-2008 DevOps Foundations: The Core Principles and Practices course helps prepare you for the Microsoft Applied Skills: DevOps Foundations certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the AZ-2008 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-2008 DevOps Foundations: The Core Principles and Practices 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-2008 DevOps Foundations: The Core Principles and Practices 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-2008 DevOps Foundations: The Core Principles and Practices?

Yes, we provide corporate training, dedicated training, and closed classes for AZ-2008 DevOps Foundations: The Core Principles and Practices. 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: What related terms do people search for?

Popular related searches include: AZ-2008: DevOps Foundations: The Core Principles and Practices, Microsoft, vILT, AZ-2008

Q: Why choose Nexus Human for AZ-2008 DevOps Foundations: The Core Principles and Practices?

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-2008 DevOps Foundations: The Core Principles and Practices training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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