



# Administering Azure DevOps Server

ADS | 3 Days

Plan, deploy, configure, and administer Azure DevOps Server on-premises. This three-day course takes administrators across the full lifecycle, from installation and configuration through version control, pipelines, upgrading and migration, and customization. You'll work hands-on the way a real administrator would.

Note: This course targets the latest release of Azure DevOps Server, which no longer carries a year in its name.

## Who should take this course?

This course is for administrators who plan, deploy, configure, and maintain Azure DevOps Server on-premises. It's equally valuable for developers, build engineers, and team leads who want deeper insight into Server administration. Windows Server, SQL Server, and Azure DevOps experience is helpful, not required.

## Course content

This course progressively builds your fluency in administering Azure DevOps Server, from planning and deploying a server through configuring projects, managing version control and pipelines, upgrading and migrating, and customizing and extending the platform. You'll work hands-on throughout, the way a real administrator would.

### 1. INTRODUCTION TO AZURE DEVOPS SERVER

- ALM with Azure DevOps
- Server vs. Services
- The administrator's role

### 2. PLANNING AND DEPLOYING

- Planning the deployment
- System requirements and prerequisites
- Installing and configuring Azure DevOps Server

### 3. CONFIGURING

- Administrator roles and tools
- Project collections and projects
- Security groups and permissions
- Teams, profiles, and project lifecycle

### 4. CLIENT APPLICATIONS

- The Administration Console
- Visual Studio and the web portal
- Command-line tools and licensing

### 5. VERSION CONTROL

- Azure Repos and Git version control
- Basic and advanced Git workflows
- Configuring and securing repositories

### 6. BUILDING AND RELEASING

- Azure Pipelines and build pipelines
- Test automation and Continuous Integration (CI)
- Release pipelines and deployment
- Azure Artifacts

### 7. UPGRADING, INTEGRATING, AND MIGRATING

- Standard and advanced upgrades
- Post-upgrade tasks
- Integrating with other ALM tools
- Migrating to Azure DevOps Services

### 8. ADVANCED ADMINISTRATION

- Health monitoring
- Availability and scalability
- Disaster recovery, backup, and restore
- Administering with PowerShell

### 9. CUSTOMIZING AND EXTENDING

- Customizing vs. extending
- Work tracking and inherited processes
- Extending with the REST API
- Querying the Analytics Service

## Course Designer

This course was designed by Richard Hundhausen, Microsoft's first Visual Studio ALM/DevOps MVP, a Professional Scrum Trainer, and co-creator of the Nexus framework, with decades helping teams build and ship software. To see other Azure DevOps and GitHub courses, visit [www.accentient.com](http://www.accentient.com).