



Deep Network GmbH

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Azure DevOps: 1-day Workshop

What is Azure DevOps?

Azure DevOps is a Software as a service (SaaS) platform from Microsoft that provides an end-to-end DevOps toolchain for developing and deploying software. It also integrates with most leading tools on the market and is a great option for orchestrating a DevOps toolchain. There are lots of organizations around the world who have found Azure DevOps fits their needs irrespective of their language, platform or cloud.

SUMMARY

Day-1

Module: Introduction (1h)

Module: Using Agile Planning tools of Azure DevOps (1h)

Module: Managing Source Code with Git in Azure DevOps (1h)

Module: Authoring our First Build Pipeline (2h)

Module: Overview of Release Management (2h)

Module: Defining a Release Workflow for Azure (1h)



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Program

Day-1

- **Module:** Introduction (1h)
 - Overview of DevOps using Azure DevOps
 - Describe the current features in Azure DevOps
- **Module:** Using Agile Planning tools of Azure DevOps (1h)
 - Create product backlog
 - Decide Sprint backlog based upon velocity and capacity of team
- **Module:** Managing Source Code with Git in Azure DevOps (1h)
 - Clone Repository, Commit, Push, Pull, Fetch, Sync operations
 - Branching and Merging of branches
- **Module:** Authoring our First Build Pipeline (2h)
 - Creating a new build definition
 - Selecting the solution to build
 - Queuing a build
 - Working with Build variables
 - Configuring Continuous Integration (CI) and scheduled builds
 - Using Branch Policies for automation of build triggering
- **Module:** Overview of Release Management (2h)
 - What is Release Management
 - Key concepts in Release Management
 - Creating environments and releases
 - Creating task groups
 - Configuring approval workflows
 - Determining what to deploy using artefacts
 - Defining and using configuration variables
 - Configuring Continuous Release



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- **Module:** Defining a Release Workflow for Azure (1h)
 - Understanding Service Endpoints
 - Configuring endpoints for connecting to Azure
 - Releasing an Azure Web Application