



Team Foundation Consulting

Training

Team Member Training

User training designed to cater for specific roles within your team.

Project Manager

Developer
TFVC / Git

Tester

DevOps

End-to-End ALM

Application Lifecycle Management, Development, Project Management and Testing.

End-to-End ALM
TFVC / Git

All training is presented on-site at your premises.



PROJECT MANAGEMENT

USING TEAM FOUNDATION SERVER AND VISUAL STUDIO

COURSE BREAKDOWN
<p>INTRODUCTION TO ALM</p> <ul style="list-style-type: none"> • Overview of Application Lifecycle Management • Application Lifecycle Management using Team Foundation Server and Visual Studio <p>AGILE PLANNING</p> <ul style="list-style-type: none"> • Task Boards • Capacity Planning • Story Boards <p>ENVIRONMENT</p> <ul style="list-style-type: none"> • Work Item Management • Process Templates <p>ELICITING FEEDBACK</p> <p>REPORTING</p> <ul style="list-style-type: none"> • Dashboards • Charts • Reports <p>INTEGRATION</p> <ul style="list-style-type: none"> • Excel • MS Project

RECOMMENDED PREREQUISITES	DURATION
<p>The attendee will need a basic understanding of:</p> <ul style="list-style-type: none"> • TFS/VSTS • Visual Studio 	<p>½ Day</p> <p><i>Please note that due to the interactive nature of the training, all duration times indicated serve as a guideline only. The actual duration of the training may vary.</i></p>

HANDS-ON LABS
<p>Each attendee will receive a full set of word document Microsoft hands-on labs which contain several exercises demonstrated during the training.</p> <p>Attendees can follow the step-by-step instructions in these labs and complete the various exercises in their own time.</p> <p>The virtual machine to run these labs can be copied during the training from your instructor.</p>

DEVELOPMENT WITH TFVC

COURSE BREAKDOWN

INTRODUCTION TO ALM

- Overview of Application Lifecycle Management
- Application Lifecycle Management using Team Foundation Server and Visual Studio

BASICS

- Workspace Management
- Check-in and Check-out
- Branching
- Merging
- Team Explorer

ADVANCED

- Branching & Merging Strategies
- Suspend Resume
- Code Reviews
- Shelf sets
- Check-in Policies

QUALITY

- Unit Testing / IntelliTest / Live Unit Testing
- Code Clone
- Quality Metrics
- Code Analysis
- Coded UI Testing

BUILD

- Continuous Integration
- Gated Check-ins

DEVOPS

- Release Management
- Production Debugging
- Application Insights

RECOMMENDED PREREQUISITES

The attendee will need a basic understanding of:

- TFS/VSTS
- Visual Studio
- .Net

DURATION

1 Day

Please note that due to the interactive nature of the training, all duration times indicated serve as a guideline only. The actual duration of the training may vary.

HANDS-ON LABS

Each attendee will receive a full set of word document Microsoft hands-on labs which contain several exercises demonstrated during the training.

Attendees can follow the step-by-step instructions in these labs and complete the various exercises in their own time.

The virtual machine to run these labs can be copied during the training from your instructor.

DEVELOPMENT WITH GIT

COURSE BREAKDOWN

INTRODUCTION TO ALM

- Overview of Application Lifecycle Management
- Application Lifecycle Management using Team Foundation Server and Visual Studio

BASICS

- Commit, Push, Sync
- Branching
- Merging
- Team Explorer

ADVANCED

- Branching & Merging Strategies
- Pull Requests
- Pull Request Policies

QUALITY

- Unit Testing / IntelliTest / Live Unit Testing
- Code Clone
- Quality Metrics
- Code Analysis
- Coded UI Testing

BUILD

- Continuous Integration
- Gated Check-ins

DEVOPS

- Release Management
- Production Debugging
- Application Insights

RECOMMENDED PREREQUISITES

The attendee will need a basic understanding of:

- TFS/VSTS
- Visual Studio
- .Net

DURATION

1 Day

Please note that due to the interactive nature of the training, all duration times indicated serve as a guideline only. The actual duration of the training may vary.

HANDS-ON LABS

Each attendee will receive a full set of word document Microsoft hands-on labs which contain several exercises demonstrated during the training.

Attendees can follow the step-by-step instructions in these labs and complete the various exercises in their own time.

The virtual machine to run these labs can be copied during the training from your instructor.



TESTING

USING MICROSOFT TEST MANAGER

COURSE BREAKDOWN
<p>INTRODUCTION TO ALM</p> <ul style="list-style-type: none"> • Overview of Application Lifecycle Management • Application Lifecycle Management using Team Foundation Server and Visual Studio <p>AGILE TESTING</p> <p>MS TEST MANAGER</p> <ul style="list-style-type: none"> • Test Case Management • Exploratory Testing • Lab Management using Azure DevTest Labs <p>PERFORMANCE TESTING</p> <ul style="list-style-type: none"> • Load Testing • Web Testing <p>FUNCTIONAL TESTING</p> <ul style="list-style-type: none"> • UI Testing tools and techniques

IDEAL FOR
<ul style="list-style-type: none"> • Manual testers that want to organise and plan their testing effort better • Testers that want to utilise Microsoft Test Manager better • Teams that want greater test coverage on applications

RECOMMENDED PREREQUISITES	DURATION
<p>The attendee will need a basic understanding of:</p> <ul style="list-style-type: none"> • TFS/VSTS • Visual Studio • .Net 	<p>½ Day</p> <p><i>Please note that due to the interactive nature of the training, all duration times indicated serve as a guideline only. The actual duration of the training may vary.</i></p>

HANDS-ON LABS
<p>Each attendee will receive a full set of word document Microsoft hands-on labs which contain several exercises demonstrated during the training.</p> <p>Attendees can follow the step-by-step instructions in these labs and complete the various exercises in their own time.</p> <p>The virtual machine to run these labs can be copied during the training from your instructor.</p>

DEVOPS

USING MICROSOFT TEAM FOUNDATION SERVER

COURSE BREAKDOWN

INTRODUCTION TO DEVOPS

- Overview of DevOps
- Overview of the Team Foundation Server and Visual Studio product offering

BUILD

- Build infrastructure
- Continuous Integration
- Gated Check-ins

RELEASE MANAGEMENT

- Release Management
- Production Debugging
- Application Insights

TECHNICAL DEBT

- Managing Technical Debt with SonarQube

IDEAL FOR

- Developers
- Build Masters and release managers
- Teams that want quicker releases and want to build higher quality applications

RECOMMENDED PREREQUISITES

The attendee will need a basic understanding of:

- TFS/VSTS
- Visual Studio
- .Net

DURATION

½ Day

Please note that due to the interactive nature of the training, all duration times indicated serve as a guideline only. The actual duration of the training may vary.

HANDS-ON LABS

Each attendee will receive a full set of word document Microsoft hands-on labs which contain several exercises demonstrated during the training.

Attendees can follow the step-by-step instructions in these labs and complete the various exercises in their own time.

The virtual machine to run these labs can be copied during the training from your instructor.

EXTRA MODULE: TFS ADMINISTRATION

The extra module is available as an add-on to the Project Management, Development, DevOps or Testing schedules.

TFS ADMINISTRATION

INSTALL & CONFIGURE TEAM FOUNDATION SERVER

CHANGE PROCESS TEMPLATES

- Work Item Definitions

BUILD SYSTEM

BACKUPS AND DISASTER RECOVERY

TFS CAPACITY PLANNING AND PHYSICAL REQUIREMENTS

IDEAL FOR	RECOMMENDED PREREQUISITES	DURATION
<p>TFS Administrators who want to understand the deployment options for TFS or who want to modify TFS to better align with the Team's processes</p>	<p>The attendee will need a basic understanding of TFS, Visual Studio and .Net</p>	<p>1 – 2 hours</p> <p><i>Please note that due to the interactive nature of the training, all duration times indicated serve as a guideline only. The actual duration of the training may vary.</i></p>

END-TO-END ALM WITH TFVC OR GIT

COURSE BREAKDOWN	
<p>INTRODUCTION TO ALM</p> <ul style="list-style-type: none"> • Overview of Application Lifecycle Management • Application Lifecycle Management using Team Foundation Server and Visual Studio <p>DEVELOPMENT BASICS & ADVANCED TFVC OR GIT*</p> <p>QUALITY</p> <ul style="list-style-type: none"> • Unit Testing / IntelliTest / Live Unit Testing • Code Clone • Quality Metrics • Code Analysis • Coded UI Testing <p>BUILD & DEVOPS</p> <ul style="list-style-type: none"> • Continuous Integration • Gated Check-ins • Production Debugging • Release Management <p>AGILE PLANNING</p> <ul style="list-style-type: none"> • Task Board • Capacity Planning • Story Boards <p>ENVIRONMENT</p> <ul style="list-style-type: none"> • Work Item Management • Process Templates 	<p>ELICITING FEEDBACK</p> <p>REPORTING</p> <ul style="list-style-type: none"> • Dashboards • Charts • Reports <p>INTEGRATION</p> <ul style="list-style-type: none"> • Excel • MS Project <p>AGILE TESTING</p> <p>MS TEST MANAGER</p> <ul style="list-style-type: none"> • Test Case Management • Exploratory Testing • Lab Management using Azure DevTest Labs <p>PERFORMANCE TESTING</p> <ul style="list-style-type: none"> • Load Testing • Web Testing <p>FUNCTIONAL TESTING</p> <ul style="list-style-type: none"> • Coded UI Testing • UI testing tools

*GIT		*TFVC	
DEVELOPMENT BASICS	ADVANCED DEVELOPMENT	DEVELOPMENT BASICS	ADVANCED DEVELOPMENT
<ul style="list-style-type: none"> • Commit, Push, Sync • Branching • Merging • Team Explorer 	<ul style="list-style-type: none"> • Branching & Merging Strategies • Pull Requests • Pull Request Policies 	<ul style="list-style-type: none"> • Workspace Management • Check-in and Check-out • Branching • Merging • Team Explorer 	<ul style="list-style-type: none"> • Branching & Merging Strategies • Suspend Resume • Code Reviews • Shelve sets • Check-in Policies

RECOMMENDED PREREQUISITES	DURATION
The attendee will need a basic understanding of: <ul style="list-style-type: none"> • TFS/VSTS • Visual Studio • .Net 	2 Days <i>Please note that due to the interactive nature of the training, all duration times indicated serve as a guideline only. The actual duration of the training may vary.</i>

HANDS-ON LABS
Each attendee will receive a full set of word document Microsoft hands-on labs which contain several exercises demonstrated during the training. Attendees can follow the step-by-step instructions in these labs and complete the various exercises in their own time. The virtual machine to run these labs can be copied during the training from your instructor.

MICROSOFT® HANDS-ON LAB MANUALS

- Word document electronic manuals are provided for each candidate with every training session
- The VM for the manuals is provided during the training

HANDS-ON LABS

- Agile Planning and Portfolio Management with Team Foundation Server 2017
- Branching and Merging Visualization with Visual Studio Team Foundation Server 2017
- Building the Right Software - Generating Storyboards and Collecting Stakeholder Feedback with Visual Studio 2017
- Collaboration Experiences for Development Teams using Team Foundation Server 2017
- Debugging with IntelliTrace in Visual Studio Enterprise 2017
- Developer experience enhancements in Visual Studio 2017
- Developing and deploying databases with ReadyRoll
- Diagnosing Issues in Production with IntelliTrace and Visual Studio 2017
- Embracing Continuous Delivery with Release Management for Visual Studio 2017
- Exploratory Testing and Feedback Management with Team Foundation Server 2017
- Getting Started with Git using Team Foundation Server 2017
- Instrumenting ASP.NET with Application Insights in Visual Studio 2017
- Introduction to Coded UI Tests with Visual Studio Enterprise 2017
- Introduction to IntelliTest with Visual Studio Enterprise 2017
- Introduction to Team Foundation Build 2017
- Live Unit Testing and Live Dependency Validation in Visual Studio 2017
- Live Unit Testing, Code Coverage, and Code Clone Analysis with Visual Studio 2017
- Making Developers More Productive with Visual Studio Team Foundation Server 2017
- Managing Technical Debt with Team Foundation Server 2017 and SonarQube
- Modern Requirements Suite4TFS
- Package Management in Team Foundation Server 2017
- SQL Prompt for Visual Studio
- Test Planning and Management with Team Foundation Server 2017
- Using Code Analysis and Visual Studio 2017 to improve Code Quality
- Web Application Load and Performance Testing with Visual Studio 2017
- Working with EditorConfig in Visual Studio 2017
- Working with the Visual Studio 2017 ALM Virtual Machine

ABOUT YOUR TRAINER

All training sessions are presented by Niel Zeeman the founder and owner of Team Foundation Consulting.

Niel is a subject matter expert and has been providing consulting and training on all things ALM since 2010. He is an ETDP certified trainer, a Microsoft ALM MVP and he maintains the Microsoft MCSD ALM certification.

Niel has facilitated training sessions and workshops with hundreds of delegates throughout South Africa.

All training conducted is geared towards being as interactive as possible while balancing the need to demonstrate the content covered.

