

Git for Visual Studio Developers

Introduction

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hardcore developer training

Overview

- **Distributed Version Control Systems (DVCS)**
- **Centralized vs DVCS**
- **Source Control Models**
- **Git**

Source Control Models

- **Centralized**
 - Master repository
 - Commits affect everyone immediately
- **Centralized - Check-in/Check-out**
 - VSS & TFS (prior to TFS 2010)
 - Always connect to server before editing
 - Limited offline support
- **Centralized – Edit/Commit**
 - TFS 2010 & Above, SVN
 - Connect to the server when changes are ready
 - Better offline support
 - No offline access to history

Distributed Version Control

- Full local copy (including history)
- Changesets are shared between peers
- Everyone has a backup
- Full offline support
- No locking support
- Initial setup may take longer

Git

- Cross-platform DVCS
- Lightweight & Fast
- Supported by most IDEs
- Support for a shared (centralized) repository
- GitHub
- TFS 2013 & TFS Service
- See Git Fundamentals Course - <http://bit.ly/17ZcNU1>

Summary

- Source Control Models
- Distributed Version Control Systems (DVCS)
- Centralized vs DVCS
- Git