



Introduction to Git / Git Quick Start

Get Started with GIT! Explore GIT Repository Essentials, Branching, Using GIT on the Server, Customizing GIT and More

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Course Snapshot

- **Course: Introduction to Git / Git Quick Start (TTDV7550)**
- **Duration:** 1 day
- **Audience & Skill-Level:** Introductory level
- **Hands-on Learning:** This course is approximately 50% hands-on lab to lecture ratio, combining engaging expert lessons, demos and group discussions with real-world, skills-focused machine-based labs and exercises. Student machines are required.
- **Delivery Options:** This course is available for **onsite private classroom presentation, live online virtual presentation**, or can be presented in a **blended learning format**. Please also ask about our **Self-Paced / Video / QuickSkills** or **Mini-Camp / Short Course** flexible delivery options.
- **Public Schedule:** This course has active dates on our live-online open enrollment **Public Schedule**.
- **Customizable:** This course agenda, topics and labs can be further adjusted to target your specific training skills objectives, tools and learning goals. Please ask for details.

Overview

Introduction to Git | Git Quick Start is a single day hands-on course geared for anyone new to Git, who will be using the Git repository. This course is ideal for Software developers, project managers, software architects and solutions architects, release managers, or anyone else in IT tasked with that role. Prior experience with Git isn't required, although having some basic experience with other version control systems would be helpful.

Learning Objectives

This course is approximately **50% hands-on**, combining expert lecture, real-world demonstrations and group discussions with machine-based practical labs and exercises. Our engaging instructors and mentors are highly experienced practitioners who bring years of current "on-the-job" experience into every classroom.

Working in a hands-on learning environment led by our expert practitioner attendees will explore:

- Git Basics
- Git Branching
- Git on the Server
- Distributed Git
- Git Tools
- Customizing Git

Need different skills or topics? If your team requires different topics or tools, additional skills or custom approach, this course may be further adjusted to accommodate. We offer additional Git / GitHub / GitLab, DevOps, Docker, container, security, programming, and other related topics that may be blended with this course for a track that best suits your needs.

Audience & Pre-Requisites

This hands-on course is geared for Software developers, project managers, software architects and solutions architects, release managers, or anyone else in IT who will be using the Git repository.

Related Git / GitHub / GitLab Training Courses:

- TTDV7550 Introduction to Git | Git Quick Start
- TTDV7551 Introduction to GitHub for Developers
- TTDV7553 Working with GitLab
- TTDV7555 Advanced Git and GitHub
- TTDV7560 Explore CI/CD, GIT, GIT Tools, Jenkins Integration, Functional Testing, Jenkins & More

- Please see our complete course catalog for additional Git and related course

Enhanced Learning Services: Please also ask about our **Pre-Training Class OnRamp & Prep / Primer** offerings, **Skills Gap Assessment Services, Case Studies, Knowledge Check Quizzes, Skills Immersion Programs & Camps, Collaborative Mentoring Services** and **Extended Learning Support & Post Training** services.

Course Topics / Agenda

Please note that this list of topics is based on our standard course offering, evolved from typical industry uses and trends. We will work with you to tune this course and level of coverage to target the skills you need most. Topics, agenda, and labs are subject to change, and may adjust during live delivery based on audience interests, participation, and skill-level.

- 1. Git Basics**
 - Introduction to Git
 - Git Repository
 - Recording Changes to the Repository
 - Viewing the Commit History
 - Undoing Things
 - Tagging
- 2. Git Branching**
 - Branching and Merging
 - Branch Management
 - Branching Workflows
 - Remote Branches
- 3. Git on the Server**
 - Rebasing
 - The Protocols
 - Getting Git on a Server
 - Generating SSH Public Key
 - Setting up the Server
 - Public Access
 - Hosted Git (GitHub)
 - Working with Remotes
- 4. Distributed Git**
 - Distributed Workflows
 - Contributing to a Project
- 5. Git Tools**
 - Maintaining a Project
 - Revision Selection
 - Interactive Staging
 - Rewriting History
 - Debugging with Git (bisect)
 - Submodules
 - Subtree Merging
- 6. Customizing Git**
 - Git Configuration
 - Git Attributes
 - Git Hooks

Student Materials & Lab Environment: All course software (limited versions, for course use only), digital courseware files or course notes, labs / data sets and solutions (as applicable) are provided for you in our “easy access / no install required” high-speed remote lab environment. Our tech team works with every student to ensure everyone is set up with working access and ready to go prior to every course start date, ensuring a smooth delivery and great hands-on experience. Please ask for details.

For More Information

All courses can be presented **onsite** or **online**, or in a **combined / flex / blended learning format**, tailored to target your specific audience, needs and learning goals. We also offer focused, flexible **short courses, self-paced learning** options, **recorded sessions** and more. We train beginner to advanced skills in all areas we cover, and offer **New Hire / Cohort Training, Boot Camps, Skills Immersion Programs, Reskilling Programs, Skills Migration & Transition Programs**, and more. We collaborate with you to ensure all courses are truly targeted to meet your specific needs and learning skills, maximizing your valuable training time, as well as your important budget. Please also visit our extensive **Public Training Schedule** for training for smaller groups or individuals. Please contact us for course details, **Corporate Rates** and **Special Discount Offers**.

For more information about our dedicated training services, collaborative coaching services, courseware licensing options, public course schedule, training management services, partner programs, or to see our complete list of course offerings and special offers please visit us at www.triveratech.com, email Info@triveratech.com or call us toll free at **844-475-4559**. Our pricing and services are always satisfaction guaranteed.

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www.triveratech.com • toll free +1-844-475-4559 • Info@triveratech.com • Twitter TriveraTech

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