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| **Introduction to Git** |
| Overview |
| * Brief history of version control * Overview of Git * Installing Git * Configuring Git |
| Summary |
| * Brief history of version control * Advantages of DVCS * Overview of Git * Installing Git * Configuring Git |
| **Working Locally with Git** |
| Overview |
| * Creating a local repository * Adding files * Committing changes * Viewing history * Viewing a diff * Working copy, staging, and repository * Deleting files * Cleaning the working copy * Ignoring files with .gitignore |
| Summary |
| * Creating a local repository * Adding, updating, and deleting files * Committing changes * Viewing history and diffs * Working copy, staging, and repository * Cleaning the working copy * Ignoring files with .gitignore |
| **Working Remotely with Git** |
| Overview |
| * Cloning a remote repository * Listing remote repositories * Fetching changes from a remote * Merging changes * Pulling from a remote * Pushing changes remotely * Working with tags |
| Summary |
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| **Branching, Merging, and Rebasing with Git** |
| Overview |
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| Summary |
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What Is Git?

Git is a **Version Control System** that gives you the ability to:

* Software designed to record changes made to files over time
* Ability to revert back to a previous file version or project version
* Compare changes made to files from one version to another
* Version control any plain text file, not just source code

What Is Git and How Does It Work?

* Git is a DVCS
* Short history of Git
* Git uses snapshots, not patch differences
* Git is local
* Git has integrity
* Three stages of a file
* Three main states of a Git project

[Using the Command Line](file:///\\Naeast.ad.jpmorganchase.com\home\amerxbus\XBUS\nacdc1vdihome12\R666050\jpmDesk\Desktop\My%20Stuff\Proficiency;%20Git\1\1.PNG)

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| Get up and Running with Git and GitHub |
| Summary |
| Install Git on Linux, Windows, and Mac  Configure Git  Initialize a Git repository  Git helper guides  Introduction to Git Hub  Push our local repository to GitHub |
| [Basic Commands of Everyday Git](file:///\\Naeast.ad.jpmorganchase.com\home\amerxbus\XBUS\nacdc1vdihome12\R666050\jpmDesk\Desktop\My%20Stuff\Proficiency;%20Git\2\2.PNG) |
| Summary |
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| Extended Commands of Everyday Git |
| Summary |
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