14.4 Version Control Using Git

As you study this section, answer the following questions:

- Why would you want to use Git?
- What is a Git repository?
- What types of Git repositories exist? What are their functions?

In this section, you will learn to:

- Install Git
- Create and use a Git repository

Key terms for this section include the following:

Term	Definition
Git	A distributed version-control system for tracking changes in source code during software development. GIT is most often used for coordinating work among programmers, but it can be used to track changes in any set of files.
Repository	A file location where the files related to your project are stored. Every Git directory on every computer is a full-fledged repository with complete history and full version-tracking abilities, independent of network access or a central server.

This section helps you prepare for the following certification exam objectives:

Exam	Objective
CompTIA Linux+ XK0-005	3.3 Given a scenario, perform basic version control using Git. • clone • push • pull • commit • add • checkout • branch • tag • gitignore 3.4 Summarize common infrastructure as code technologies • Advanced Git topics

Exam	Objective
	- merge - rebase - Pull requests