

# Git

- Git is a **free** and **open source** version control system.
- It is primarily used for **source code management** in software development.
- It is considered to be a distributed revision control aimed at **speed**, **integrity**, and **support** for distributed, non-linear workflows.



# Git

Characteristic	Description
Non-linear Development Support	<ul style="list-style-type: none"><li>• Rapid <b>branching</b> and <b>merging</b>.</li><li>• Specific tools for <b>visualizing</b> and navigating development history.</li></ul>
Distributed Development	<ul style="list-style-type: none"><li>• <b>Local copy</b> of the full development history and changes.</li><li>• Changes then can be merged as a locally developed branch.</li></ul>
Existing Systems Compatibility	<ul style="list-style-type: none"><li>• Repositories can be <b>published</b> via well-known protocols.</li></ul>