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What are main differences between Git, GitHub and Bitbucket? And also Git and Mercurial?

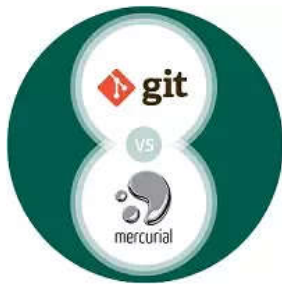
2 Answers



Durgaswaroop Perla, Using Git since 2015

Answered Sep 8 2017 · Author has **492** answers and **2.3m** answer views

GitHub and Bitbucket are just hosting platforms. You can use them for your Git projects or Mercurial projects (and may be even for SVN projects).



Git and Mercurial (Hg) are the actual tools. They are both Distributed Version control systems, which means that developers can work on the same project independently of other team members on their own local branches.

Although I haven't used Hg myself, but I've heard a lot about it to know the main differences between both of the tools.

- In general Git is considered a bit more harder than Mercurial. That also means Git is more flexible than Hg
- In Mercurial, only the last commit can be rolled back but in Git you can go back as far as 30 days.
- Branching model in both of them is also pretty different. In Git, it's quite simple and intuitive to understand but on Mercurial, the branches are fixed. Git on the other hand allows you to be more liberal with your branching strategy by creating, modifying and deleting them as needed.

So, these are some of the major differences. There are probably several other minor differences that you might realize once you use both of them.

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Stephen M. Bear, Programming for a long time; using git since before version 1.0.

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important for some projects or use cases.

GitHub and Bitbucket are both web-based hosts for version-controlled software.

GitHub only supports git, while Bitbucket also supports Mercurial.

a2a

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