Branching and Merging







Goals



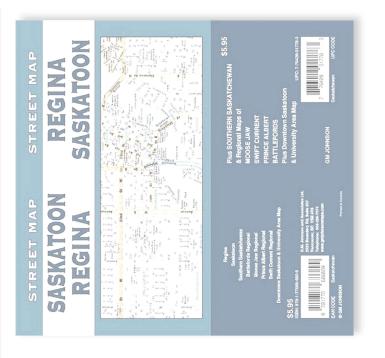
- 1. Explain why it's a bad idea to work directly on the main branch
- 2. Name the command to switch between branches



Roadmap

Develop Intelligence

- 1. Branching
- 2. Merging

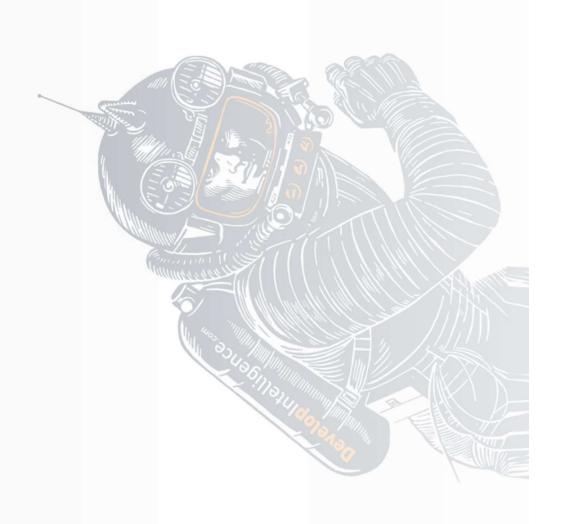




Develop Intelligence

Branching







Branch Defined



branch to encapsulate your changes. This makes it harder for of your changes. When you want to add a new feature or fix a unstable code to get merged into the main code base, and it process. Git branches are effectively a pointer to a snapshot gives you the chance to clean up your future's history before In Git, branches are a part of your everyday development bug—no matter how big or how small—you spawn a new merging it into the main branch.



Takeaway



- Don't work on a shared branch
- o e.g. master, main, or develop
- Instead, create a feature branch specifically for each new functionality or bug fix
- Name it after the JIRA ticket
- When it's ready, submit a pull request to have someone else merge in the changes



How-to



- Git has lots of was to do the same thing
- Create a new branch and switch:
- 1 git checkout -b some-new-branch
- List available branches:
- 1 git branch
- Switch back to main:
- 1 git checkout main



Deleting a Branch



- Eventually, your changes get merged
- (More on that later)

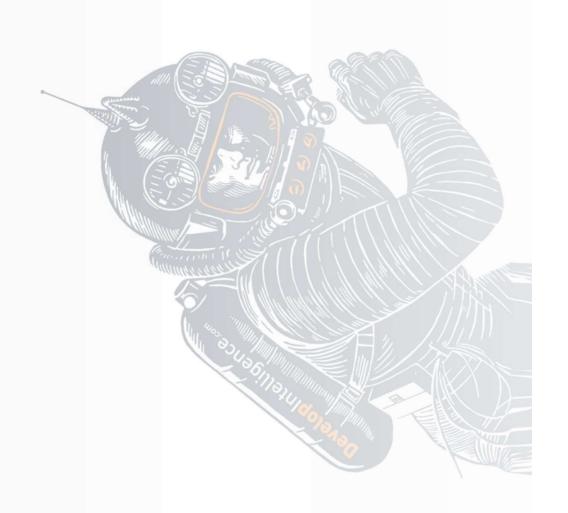
1 git branch -d some-new-branch



Develop Intelligence

Merging







Definitions



Merging is Git's way of putting a forked history back together independent lines of development created by git branch and again. The git merge command lets you take the integrate them into a single branch.



Workflow



Create a new branch for a bug fix

1 git checkout -b bug-6692

• (Fix bug.)

Switch back to main

1 git checkout main

 Merge in changes from feature branch, then delete feature branch

git merge bug-6692

git branch -d bug-6692



Develop Intelligence



Review



- 1. Explain why it's a bad idea to work directly on the majin branch
- 2. Name the command to switch between branches

