

# Workflow With Git

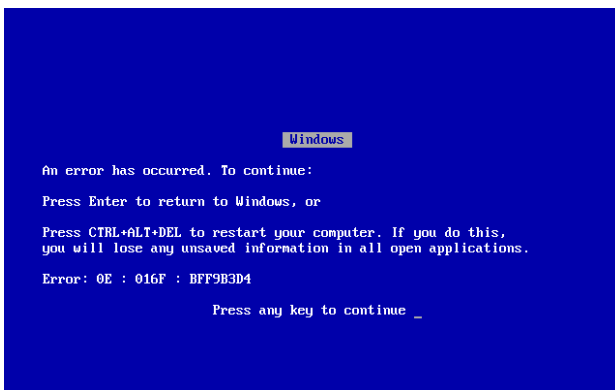
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## Summary

Regardless of what language you prefer, version-control is an essential tool for getting things done - especially when collaborating with others. Git, an open-source tool, has quickly become one of the most widely-used versioning systems, mainly thanks to the ability to branch and merge with relative ease. We'll take a look at how you can begin to integrate Git into your current workflow.

## Remember Windows 95?



# Archives



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## Diff

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```
*** /path/to/original ''timestamp''
--- /path/to/new      ''timestamp''
*****
*** 1,3 ****
--- 1,9 ----
+ This is an important
+ notice! It should
+ therefore be located at
+ the beginning of this
+ document!
+
+ This part of the
+ document has stayed the
+ same from version to
*****
*** 5,20 ****
+ be shown if it doesn't
+ change. Otherwise, that
+ would not be helping to
+ ! compress the size of the
+ ! changes.
+ !
+ ! This paragraph contains
+ ! text that is outdated.
+ ! It will be deleted in the
+ ! near future.
+
+ It is important to spell
+ ! check this dokument. On
+ the other hand, a
+ misspelled word isn't
+ the end of the world.
--- 11,20 ----
+ be shown if it doesn't
+ change. Otherwise, that
+ would not be helping to
+ ! compress anything.
+
+ It is important to spell
+ ! check this document. On
+ the other hand, a
+ misspelled word isn't
+ the end of the world.
```

```
*****
*** 22,24 ****
--- 22,28 ----
+
+ This paragraph contains
+ important new additions
+ to this document.
```

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## Primitive Version Control

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-Bitkeeper -CVS -Subversion

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## Beginnings of Git

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## Centralized Versioning

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## Distributed Versioning

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## Let's Create a Repository!

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```
:$> ls
about.html  contact.html  index.html  style.css
```

```
:$> git init
Initialized empty Git repository in /home/gisikw/project
```

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## Adding initial files

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```
:$> git add .
```

```
:$> git commit -m "Initial Commit"
Created initial commit ed3ec5b: Initial
0 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 about.html
create mode 100644 contact.html
create mode 100644 index.html
create mode 100644 style.css
```