


ROB SEWELL

HE/HIM

I was a SQL Server DBA with a passion for Powershell, Azure, Automation, and SQL (PaaS geddit?) (And a sense of humour (and a habit for writing inside braces)). Now I just help other people with those (not the braces bit).

SEWELLS CONSULTING LTD

Beard Twizzler

MICROSOFT MVP

Data Platform 2020 – 2025

Azure 2017 - 2025

INTERESTS

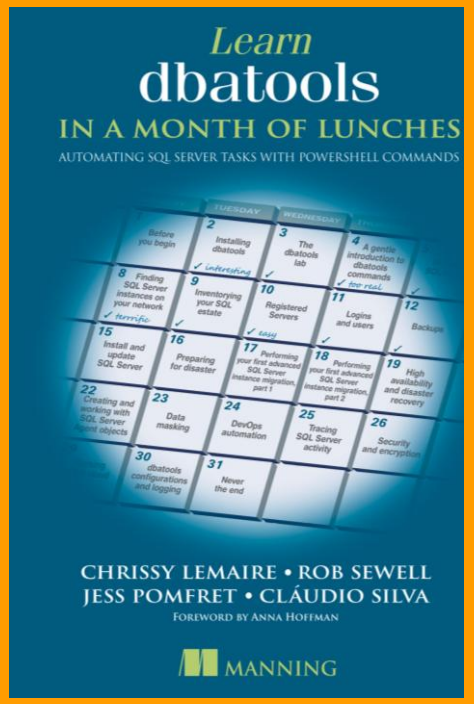
cycling, automation, community

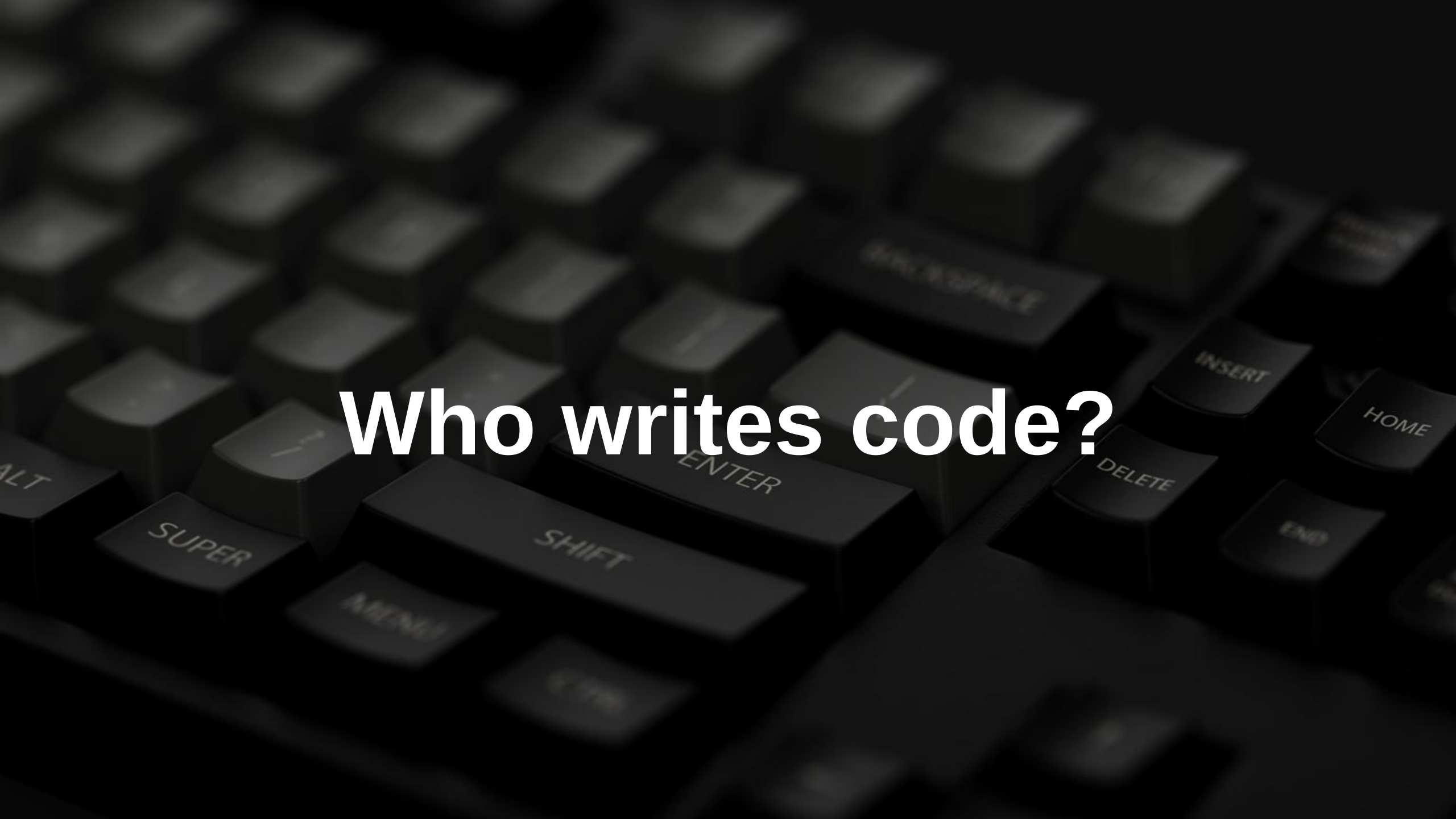


MVP

Microsoft®

Most Valuable Professional





Who writes code?

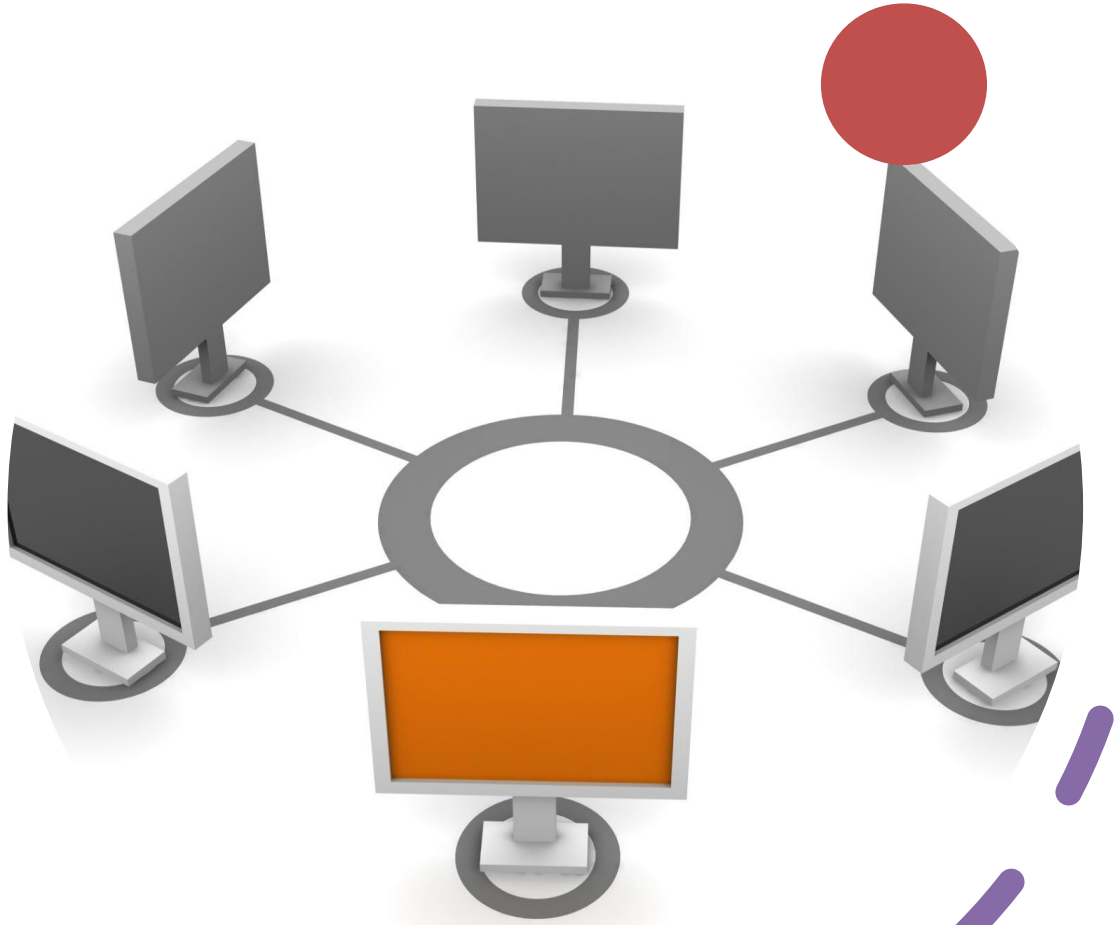


ALL teams that write code must use git

- Bearded Fella – Some years ago

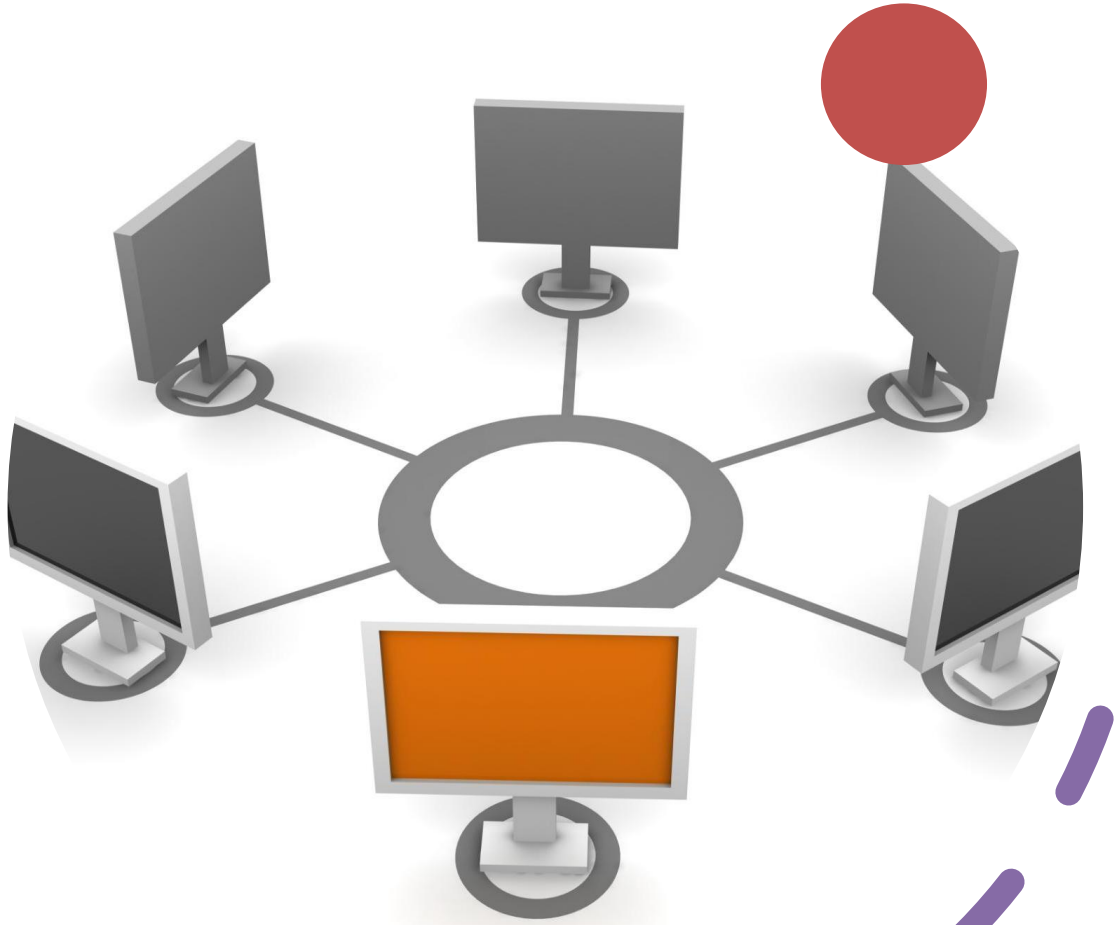
What is Git?

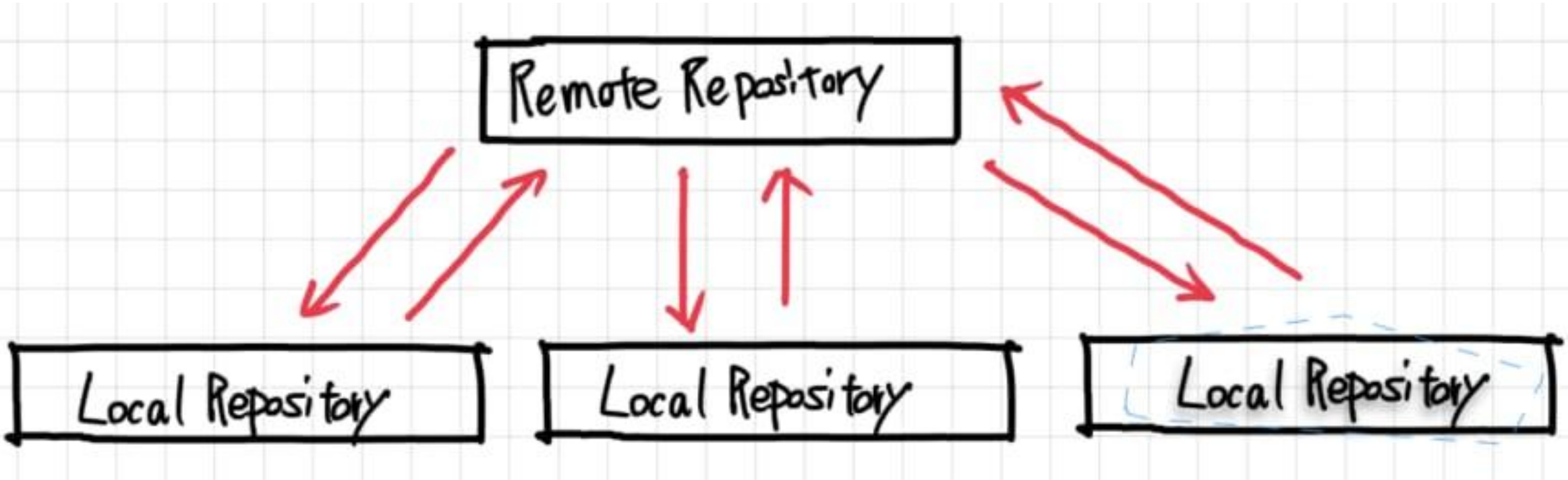
Version control system for tracking changes in files.



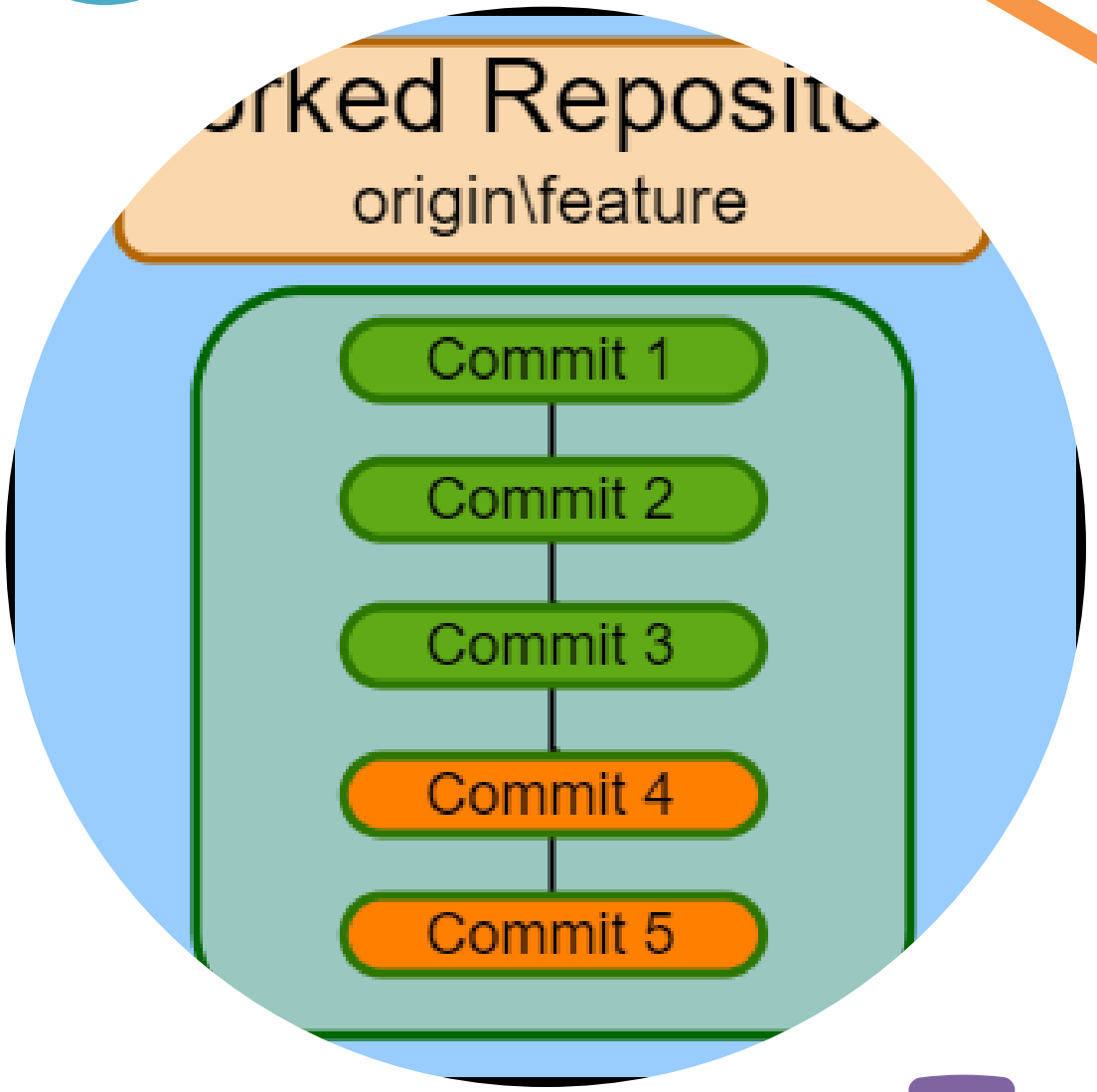
What is Git?

Created in 2005
by Linus Torvalds.




Remote Repository
Local Repository
Local Repository
Local Repository

The **power** **of** **version control** systems like Git lies in **merging many code changes** from **multiple developers** smoothly while documenting the **entire timeline** **and** **context**.



What is a Commit?


NOT that sort of change !!
Thanks AI !!

Or those ones !!





Showing **1 changed file** with **3 additions** and **3 deletions**.

Whitespace | Ignore whitespace | Split | Unified

6 06-automationTooling/functions/gettywriteymoveything/run.ps1

```
@@ -10,13 +10,13 @@ Write-Host $message
```

```
10
11
12  try {
13  -     $EnvironmentVariables = $Request.Body.EnvironmentalVariables
14          # so that we can check the names of the variables are in the table column names
15          $tableColumnNames = 'WhoDidIt'
16          $body = [PSCustomObject]@{}
17          $SQLUpstart = [PSCustomObject]@{}
18  -     if ($null -ne $Request.Body.EnvironmentalVariables ) {
19  -         $EnvVars = $Request.Body.EnvironmentalVariables | ConvertFrom-Json
20              $message = "It is a {0}" -f ($EnvVars[0].Gettype() | Out-String)
21              Write-Host $message
22              foreach ($env in $EnvVars ) {
```

```
10
11
12  try {
13  +     $RequestBody = $Request.Body | ConvertFrom-Json
14          # so that we can check the names of the variables are in the table column names
15          $tableColumnNames = 'WhoDidIt'
16          $body = [PSCustomObject]@{}
17          $SQLUpstart = [PSCustomObject]@{}
18  +     if ($null -ne $RequestBody.EnvironmentalVariables ) {
19  +         $EnvVars = $RequestBody.EnvironmentalVariables | ConvertFrom-Json
20              $message = "It is a {0}" -f ($EnvVars[0].Gettype() | Out-String)
21              Write-Host $message
22              foreach ($env in $EnvVars ) {
```

0 comments on commit 17f3969

Lock conversation


Its linear

Graph	Description	Date	Author
	origin/HEAD origin/main comment out jumpy scripts for now	4 Sep 2024 13:12	jpomfret
	change vm size for sql3 to make @SQLDBAWithABeard and taytay happy	4 Sep 2024 08:46	jpomfret
	I have no idea what is happening so I shall log what the is happening !!	25 Aug 2024 14:40	Rob Sewell
	because it wont find winget even though it is there	25 Aug 2024 13:43	Rob Sewell
	maybe without choco makes a difference?	25 Aug 2024 13:16	Rob Sewell
	properly though jess	25 Aug 2024 11:26	jpomfret
	lets try and do it async	25 Aug 2024 11:25	jpomfret
	Merge branch 'main' of https://github.com/JessAndRob/Infra	23 Aug 2024 16:38	jpomfret
	this is failing because its a windows cred.. try sql?	23 Aug 2024 16:38	jpomfret
	something makes this run soooo long	23 Aug 2024 11:40	Rob Sewell
	because the VM_NAME is not VM_NAME	23 Aug 2024 10:55	Rob Sewell
	so we can add the domain accounts	23 Aug 2024 10:54	Rob Sewell
	no dates in nic names	22 Aug 2024 16:42	Rob Sewell
	Ooops	22 Aug 2024 16:29	Rob Sewell
	this should get our sqlvms on the domain with the correct sysadmin and the extension and n...	22 Aug 2024 16:24	Rob Sewell
	set the secret (even though it is in the code)	22 Aug 2024 13:46	Rob Sewell
	I have right royally messed this up	22 Aug 2024 13:37	Rob Sewell
	so we dont try to turn on a not existing jumpy	22 Aug 2024 13:22	Rob Sewell
	Revert "actuially needed this commit too!!"	22 Aug 2024 13:16	Rob Sewell



What is a commit message ?

```
 data-scotland-repo-for-commit-messages  main ≠ ?4 | RAM: 20/31GB  14:51:25
└ git status
On branch main
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        14.txt
        15.txt
        16.txt
        17.txt

nothing added to commit but untracked files present (use "git add" to track)

 data-scotland-repo-for-commit-messages  main ≠ ?4 | RAM: 20/31GB  14:51:31
└ git add .

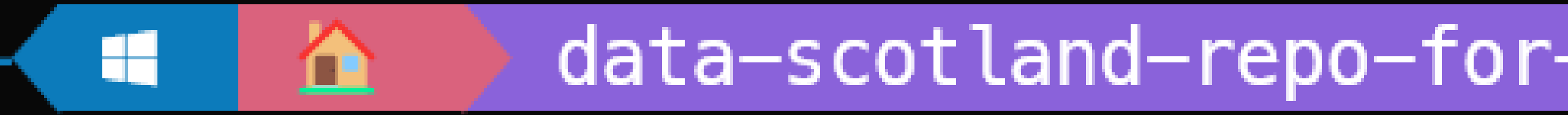
 data-scotland-repo-for-commit-messages  main ≠ +4 | RAM: 20/31GB  14:51:37
└> git commit -m '                    '
[main e050255]
 4 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 14.txt
 create mode 100644 15.txt
 create mode 100644 16.txt
 create mode 100644 17.txt

 data-scotland-repo-for-commit-messages  main ≠ | RAM: 20/31GB  14:51:52
└
```

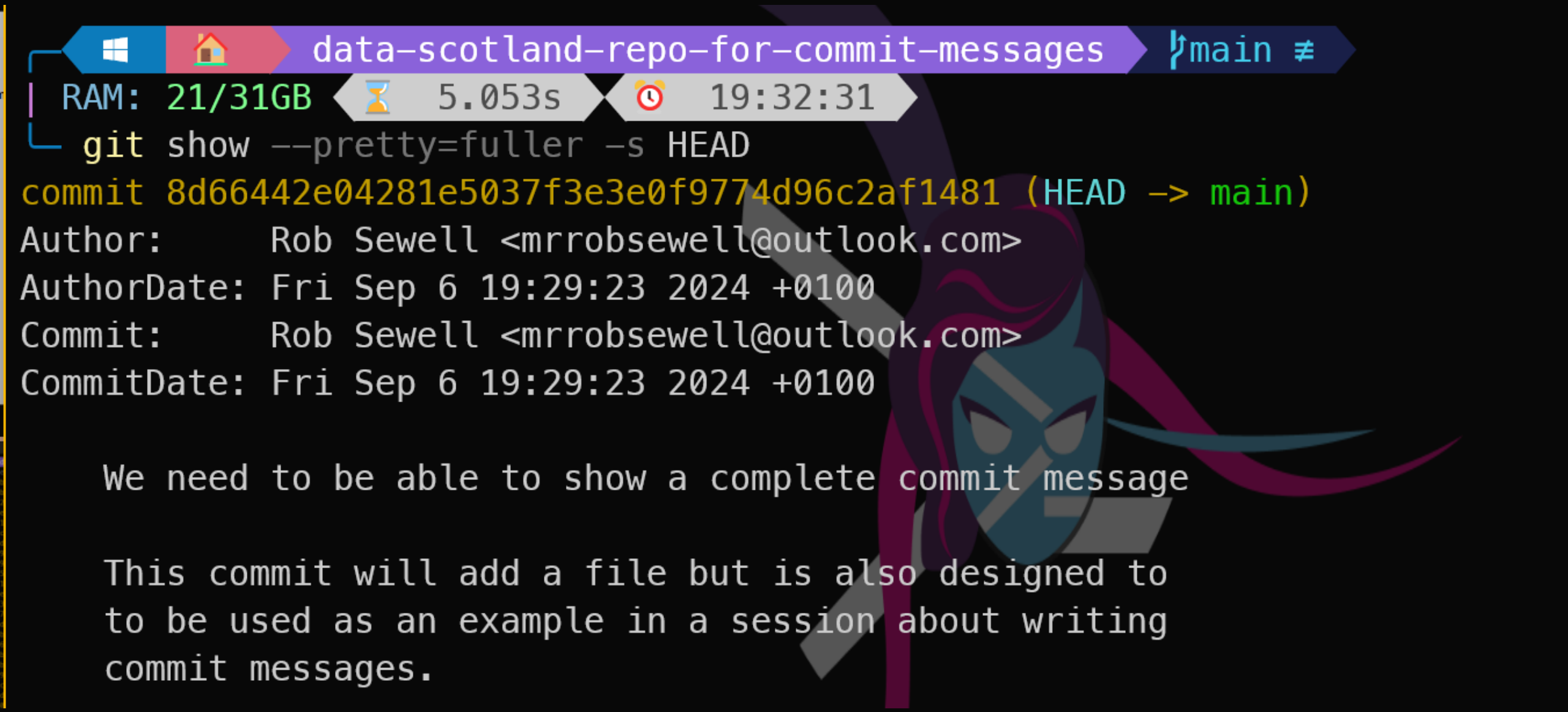



```
> git commit -m '                                    '
[main e050255]
 4 files changed, 0 insertions(+), 0 deletions
 create mode 100644 14.txt
 create mode 100644 15.txt
 create mode 100644 16.txt
 create mode 100644 17.txt
```






```
git commit -m 'Added some files'
main e050255] Added some files
4 files changed, 0 insertions(+), 0
```


data-scotland-repo-for-commit-messages
main ≠
RAM: 21/31GB
5.053s
19:32:31
git show --pretty=fuller -s HEAD
commit 8d66442e04281e5037f3e3e0f9774d96c2af1481 (HEAD -> main)
Author: Rob Sewell <mrrobsewell@outlook.com>
AuthorDate: Fri Sep 6 19:29:23 2024 +0100
Commit: Rob Sewell <mrrobsewell@outlook.com>
CommitDate: Fri Sep 6 19:29:23 2024 +0100
We need to be able to show a complete commit message
This commit will add a file but is also designed to
to be used as an example in a session about writing
commit messages.

What shouldn’t a commit message contain?



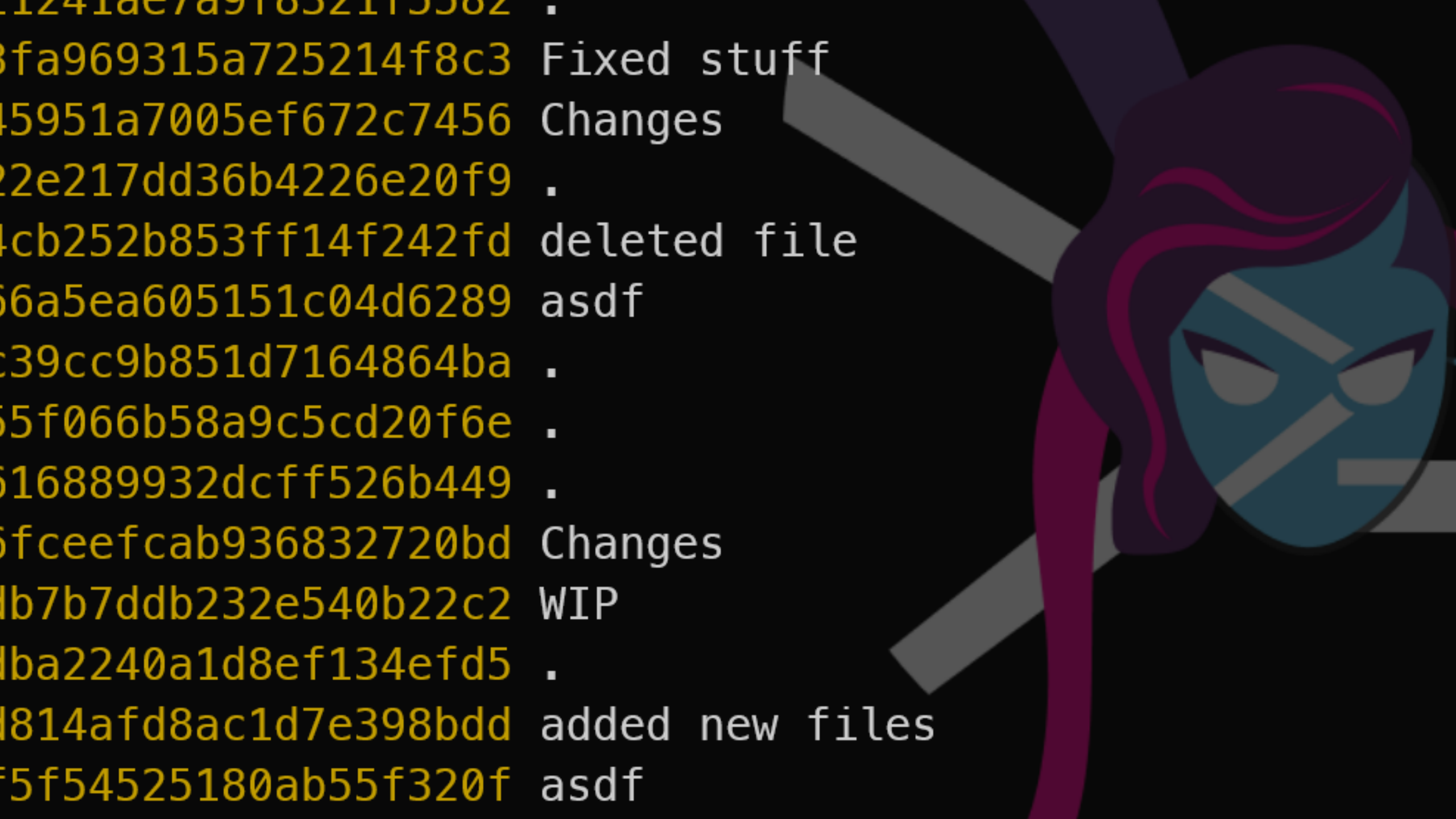
pwsh is fab

data-scotland-repo-for-commit-messages main ≠ -50 | +50

```
git log --pretty=oneline
82cac9273f95a596a910c221bfb46c4fa8bc06a7 (HEAD -> main) asdf
4a1625fe4da0697e951e9bf432b8757c2ae52f7e testing a thing
d93c2922d6d973e05b2a20b95a2ba08033697c29 asdf
a25a2365e5d50efbc5e6001500eec23d953922cc Changes
0f70e063de56e0fa34c0a384731b92c8259396b9 Update
fb7049cec9bc8561d60297f564cf89b09f9bc63f .
5c34bc488af386006b1e9626e3d8cdbe7877261b testing a thing
6f246272d8cc54b70ae471b8ae964e8647aff87d testing a thing
3e21ff5488f4bf7b149a04be619a77e7e37a5631 Fixed stuff
8ce5a913b035a86a5a0cf22afa5b7071afdec2e9 .
8e483ba2b3620da37b74ad1829143a7853ab6e36 Fixed stuff
13506dbbf36157f86cbf11241ae7a9f8321f5582 .
7f19cdbd24c9f82bf9973fa969315a725214f8c3 Fixed stuff
7f955210de550e6e514f45951a7005ef672c7456 Changes
69d2fad39246dd1b623322e217dd36b4226e20f9 .
c80173fca0f8e1ddf0f84cb252b853ff14f242fd deleted file
6b54e1ab1d270235bb2466a5ea605151c04d6289 asdf
bf79b5a72a018c98f7e1c39cc9b851d7164864ba .
77f1159450db80feb93e55f066b58a9c5cd20f6e .
a7699876792891914 39e616889932dcff526b449 .
dbb14fe8400bc565329a6fceefcab936832720bd Changes
6cad502212a3762a0d81db7b7ddb232e540b22c2 WIP
0fe06b53d9f2d73df48bdba2240a1d8ef134efd5 .
bfeca10d038ac92a8fb7d814afd8ac1d7e398bdd added new files
3656457014b346eb892af5f54525180ab55f320f asdf
e5b2572896505a0872df2ca3920c09ce9c5caffe deleted file
2c57bb96ef53b22805d1f289ed991bdadff4c0dd .
9d78692b463b10f1622fb2edf563fc2585b154e6 .
1834da44daf4db67c0d62323799aae27064d8712 .
8d3cdc0a8438076e131bc01cde9e797512f9e610 .
0c031fc1af6a421d32f624515869a9932210c489 Update
373bd23713a449bbc03963e8f044465246f28dee Fixed stuff
b299bc73749649b25dfbc7aca725315dff555d93 testing a thing
8b8a269b5bc1fbb00a677a8319003b39a457f9e6 deleted file
7d8ce09351b3d8e558de43b9830bf92b69fd16a8 testing a thing
```



```
ata-scotland-repo-for-commit-messages  main ≠ -50 |
etty=oneline
6a910c221bfb46c4fa8bc06a7 (HEAD -> main) asdf
e951e9bf432b8757c2ae52f7e testing a thing
05b2a20b95a2ba08033697c29 asdf
bc5e6001500eec23d953922cc Changes
a34c0a384731b92c8259396b9 Update
1d60297f564cf89b09f9bc63f .
06b1e9626e3d8cdbe7877261b testing a thing
70ae471b8ae964e8647aff87d testing a thing
b149a04be619a77e7e37a5631 Fixed stuff
a5a0cf22afa5b7071afdec2e9 .
```


1241ae7a9f8321f5582 .
3fa969315a725214f8c3 Fixed stuff
45951a7005ef672c7456 Changes
22e217dd36b4226e20f9 .
4cb252b853ff14f242fd deleted file
66a5ea605151c04d6289 asdf
c39cc9b851d7164864ba .
55f066b58a9c5cd20f6e .
616889932dcff526b449 .
6fceefcab936832720bd Changes
db7b7ddb232e540b22c2 WIP
dba2240a1d8ef134efd5 .
d814afd8ac1d7e398bdd added new files
f5f54525180ab55f320f asdf

```
b7b7ddb232e540b22c2 WIP
ba2240a1d8ef134efd5 .
814afd8ac1d7e398bdd added new files
5f54525180ab55f320f asdf
ca3920c09ce9c5caffe deleted file
289ed991bdadff4c0dd .
2edf563fc2585b154e6 .
323799aae27064d8712 .
01cde9e797512f9e610 .
4515869a9932210c489 Update
3e8f044465246f28dee Fixed stuff
7aca725315dff555d93 testing a thing
a8319003b39a457f9e6 deleted file
3b9830bf92b69fd16a8 testing a thing
```



Why?

Should not describe “What changed”

Showing **1 changed file** with **3 additions** and **3 deletions**.

Whitespace | Ignore whitespace | Split | Unified

6 06-automationTooling/functions/gettywriteymoveything/run.ps1

```
@@ -10,13 +10,13 @@ Write-Host $message
```

```
10 10
11 11
12 12  try {
13     -     $EnvironmentVariables = $Request.Body.EnvironmentalVariables
13     +     $RequestBody = $Request.Body | ConvertFrom-Json
14 14      # so that we can check the names of the variables are in the table column names
15 15      $tableColumnNames = 'WhoDidIt'
16 16      $body = [PSCustomObject]@{}
17 17      $SQLUpstart = [PSCustomObject]@{}
18 18  -     if ($null -ne $Request.Body.EnvironmentalVariables ) {
19 19  -         $EnvVars = $Request.Body.EnvironmentalVariables | ConvertFrom-Json
18     +     if ($null -ne $RequestBody.EnvironmentalVariables ) {
19     +         $EnvVars = $RequestBody.EnvironmentalVariables | ConvertFrom-Json
20 20          $message = "It is a {0}" -f ($EnvVars[0].Gettype() | Out-String)
21 21          Write-Host $message
22 22          foreach ($env in $EnvVars ) {
```

0 comments on commit `17f3969`

Lock conversation

because as we saw any tool can identify the differences

```
data-scotland-repo-for-commit-messages  main ≠  | RAM:
 git diff
diff --git a/newbadcommitgenerator.ps1 b/newbadcommitgenerator.ps1
index 445d908..84319c4 100644
--- a/newbadcommitgenerator.ps1
+++ b/newbadcommitgenerator.ps1
@@ -1,5 +1,6 @@
 $badcommits = '.','added file xyz','.','.','.','.','.','.','added new f
tuff','Update' ,'Bug fixes' ,'Changes' ,'WIP' ,'asdf','Try this'
 $x = 50
+# loop thorugh x and create a file with a random commit message
 while($x -gt 0){
     $x--
     $commit =   $badcommits | Get-Random

data-scotland-repo-for-commit-messages  main ≠ ~1  |
```

A commit message should

Show the WHAT

WAIT A MINUTE

You JUST said

A commit message should Show

What you Intended the change to achieve

Why the change was made

A commit message should Show

A commit message should

Explain the change for others



What is a commit message for?

What can/should it be used to achieve ?



Peer Review and Pull Request

Peer review is an essential process in ensuring code quality. Commit Messages can explain what was intended easing the PR process

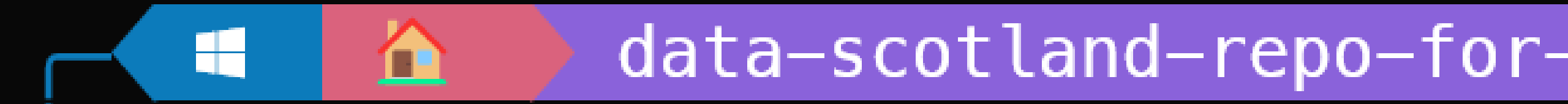


Collaboration



What else is a commit message useful for?


Searching




```
git log --all --grep='Fix'
commit 3e21ff5488f4bf7b149a04be619a77
Author: Rob Sewell <mrrobsewell@outlo
Date:   Fri Sep 6 19:12:04 2024 +0100

    Fixed stuff

commit 8e483ba2b3620da37b74ad1829143a
```

```
 data-scotland-repo-for-commit-messages  main ≠
└ git log --all --grep='Fix'
commit 3e21ff5488f4bf7b149a04be619a77e7e37a5631
Author: Rob Sewell <mrrobsewell@outlook.com>
Date:   Fri Sep 6 19:12:04 2024 +0100

    Fixed stuff

commit 8e483ba2b3620da37b74ad1829143a7853ab6e36
Author: Rob Sewell <mrrobsewell@outlook.com>
Date:   Fri Sep 6 19:12:04 2024 +0100

    Fixed stuff

commit 7f19cdbd24c9f82bf9973fa969315a725214f8c3
Author: Rob Sewell <mrrobsewell@outlook.com>
Date:   Fri Sep 6 19:12:04 2024 +0100

    Fixed stuff

commit 373bd23713a449bbc03963e8f044465246f28dee
Author: Rob Sewell <mrrobsewell@outlook.com>
Date:   Fri Sep 6 19:12:01 2024 +0100

    Fixed stuff

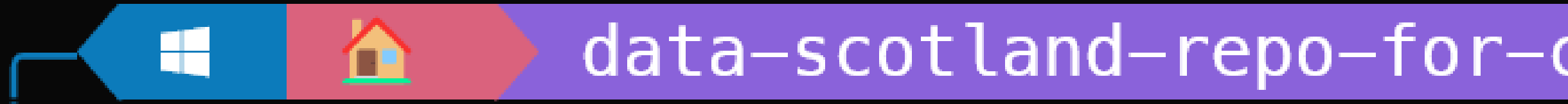
commit 72678f444a8cb58bdc99dd1fd858e4c31c79749c
Author: Rob Sewell <mrrobsewell@outlook.com>
Date:   Fri Sep 6 19:11:59 2024 +0100

    Fixed stuff
```





Blaming




```
> git show --pretty=fuller -S'Traci'
commit 440a8a081d958641737aee7bd82c8a0
Author:     Rob Sewell <mrrobsewell@ou
AuthorDate: Fri Sep 6 19:41:40 2024 +0
Commit:     Rob Sewell <mrrobsewell@ou
CommitDate: Fri Sep 6 19:41:40 2024 +0

    We need to be able to show blame
```



```
 data-scotland-repo-for-commit-messages  main ≠                    | RAM: 20/31GB
> git show --pretty=fuller -S'Traci'
commit 440a8a081d958641737aee7bd82c8a0030148cd3 (HEAD -> main)
Author:     Rob Sewell <mrrobsewell@outlook.com>
AuthorDate: Fri Sep 6 19:41:40 2024 +0100
Commit:     Rob Sewell <mrrobsewell@outlook.com>
CommitDate: Fri Sep 6 19:41:40 2024 +0100

    We need to be able to show blame

    This commit will show how you can use git blame to search for the commit message related to a piece of text

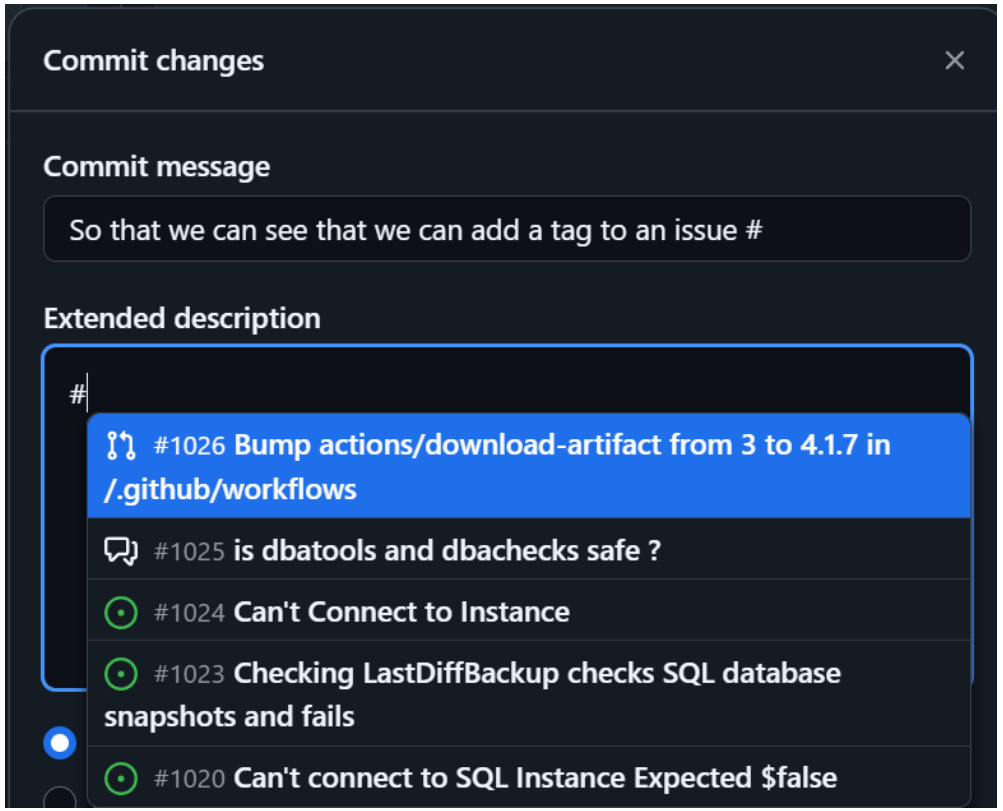
diff --git a/summat19.txt b/summat19.txt
index e69de29..c236aa0 100644
--- a/summat19.txt
+++ b/summat19.txt
@@ -0,0 +1 @@
+lets add some words like Traci
\ No newline at end of file
```

Telling a story

		33	}
last year	add filesafeoperator + small imp...	34	
last year	ValidJobOwner	35	#TODO : Clean this up
2 years ago	Add v5 test for DatabaseMailEna...	36	Write-PSFMessage -Message "Instances = $($InstancesToTest.Name)" -Level V
last year	SQL Agent Failed Jobs	37	
2 years ago	Add v5 test for DatabaseMailEna...	38	Set-PSFConfig -Module dbachecks -Name global.notcontactable -Value $NotCo
		39	
last year	add filesafeoperator + small imp...	40	# Get-DbcConfig is expensive so we call it once
		41	$__dbcconfig = Get-DbcConfig
		42	}
2 years ago	Add v5 test for DatabaseMailEna...	43	
last year	add filesafeoperator + small imp...	44	Describe "Database Mail XPs" -Tag DatabaseMailEnabled, CIS, security, Agent -
		45	$skip = ($__dbcconfig | Where-Object { $_.Name -eq 'skip.agent.databasema
2 years ago	Add v5 test for DatabaseMailEna...	46	Context "Testing Database Mail XPs on <_.Name>" {
last year	add filesafeoperator + small imp...	47	It "Testing Database Mail XPs is set to <_.ConfigValues.DatabaseMailE
2 years ago	add SQL Agent Account (still wo...	48	$PSItem.DatabaseMailEnabled | Should -Be $PSItem.ConfigValues.Dat
2 years ago	Add v5 test for DatabaseMailEna...	49	}
		50	}

Tagging your work to an Issue, Work Item, Task, Bug etc etc

git commit –m ‘My amazing commit message PLUS #NUMBER OF THE THING’



Close Issues in



close
closes
closed
fix

fixes
fixed
resolve
resolves
resolved

Linked issue	Syntax	Example
Issue in the same repository	**KEYWORD** #ISSUE-NUMBER	**Closes** #10
Issue in a different repository	**KEYWORD** OWNER/REPOSITORY#ISSUE-NUMBER	**Fixes** octo-org/octo-repo#100
Multiple issues	Use full syntax for each issue	**Resolves** #10, **closes** #123, **resolves** octo-org/octo-repo#100

Close Work Items in Azure Boards



The three supported keywords to trigger a resolution are

- Fix
- Fixes
- Fixed

All case insensitive.

Optionally, a colon can follow the keyword.

learn.microsoft.com/en-us/azure/devops/repos/git/resolution-mentions

Close Work Items in Azure DevOps

Fixes #123

This fixed #123!

Change behaviour to fix: #123

Fixes #123 and fixes #124



Automating Release Notes in GitHub

Releases | Tags

v3.0.2 | Target: main | Previous tag: auto | Generate release notes

Excellent! This tag will be created from the target when you publish this release.

Release title

Write | Preview

Describe this release

Markdown is supported | Paste, drop, or click to add files

Tagging suggestions

It's common practice to prefix your version names with the letter v. Some good tag names might be `v1.0.0` or `v2.3.4`.

If the tag isn't meant for production use, add a pre-release version after the version name. Some good pre-release versions might be `v0.2.0-alpha` or `v5.9-beta.3`.

Semantic versioning

If you're new to releasing software, we highly recommend to learn more about semantic versioning.

A newly published release will automatically be labeled as the latest release for this repository.

If 'Set as the latest release' is

Releases | Tags

v3.0.2 | Target: main | Generate release notes

Excellent! This tag will be created from the target when you publish this release.

v3.0.2

Write | Preview

What's Changed
* Merge containers into main [skip ci] by @github-actions in https://github.com/dataplat/dbachecks/pull/978
* Merge containers into main [skip ci] by @github-actions in https://github.com/dataplat/dbachecks/pull/980
* PSConfEU demos and stuff by @jpomfret in https://github.com/dataplat/dbachecks/pull/982
* New v5 check: Pseudo simple by @jpomfret in https://github.com/dataplat/dbachecks/pull/985
* v5 new checks by @jpomfret in https://github.com/dataplat/dbachecks/pull/987
* Contribution.md - Add developing instructions by @jpomfret in https://github.com/dataplat/dbachecks/pull/984
* Instancechecks continued by @SQLDBAWithABeard in https://github.com/dataplat/dbachecks/pull/993
* so that we can see failed connections and they are in the results #882 by @SQLDBAWithABeard in https://github.com/dataplat/dbachecks/pull/995
* so we have a demo [no ci] by @SQLDBAWithABeard in https://github.com/dataplat/dbachecks/pull/997
* Instancechecks continued by @SQLDBAWithABeard in https://github.com/dataplat/dbachecks/pull/998
* added some more demo [skip ci] by @SQLDBAWithABeard in https://github.com/dataplat/dbachecks/pull/1000
* some database check fixes #884 and instance ~882 by @SQLDBAWithABeard in https://github.com/dataplat/dbachecks/pull/1001

Tagging suggestions

It's common practice to prefix your version names with the letter v. Some good tag names might be `v1.0.0` or `v2.3.4`.

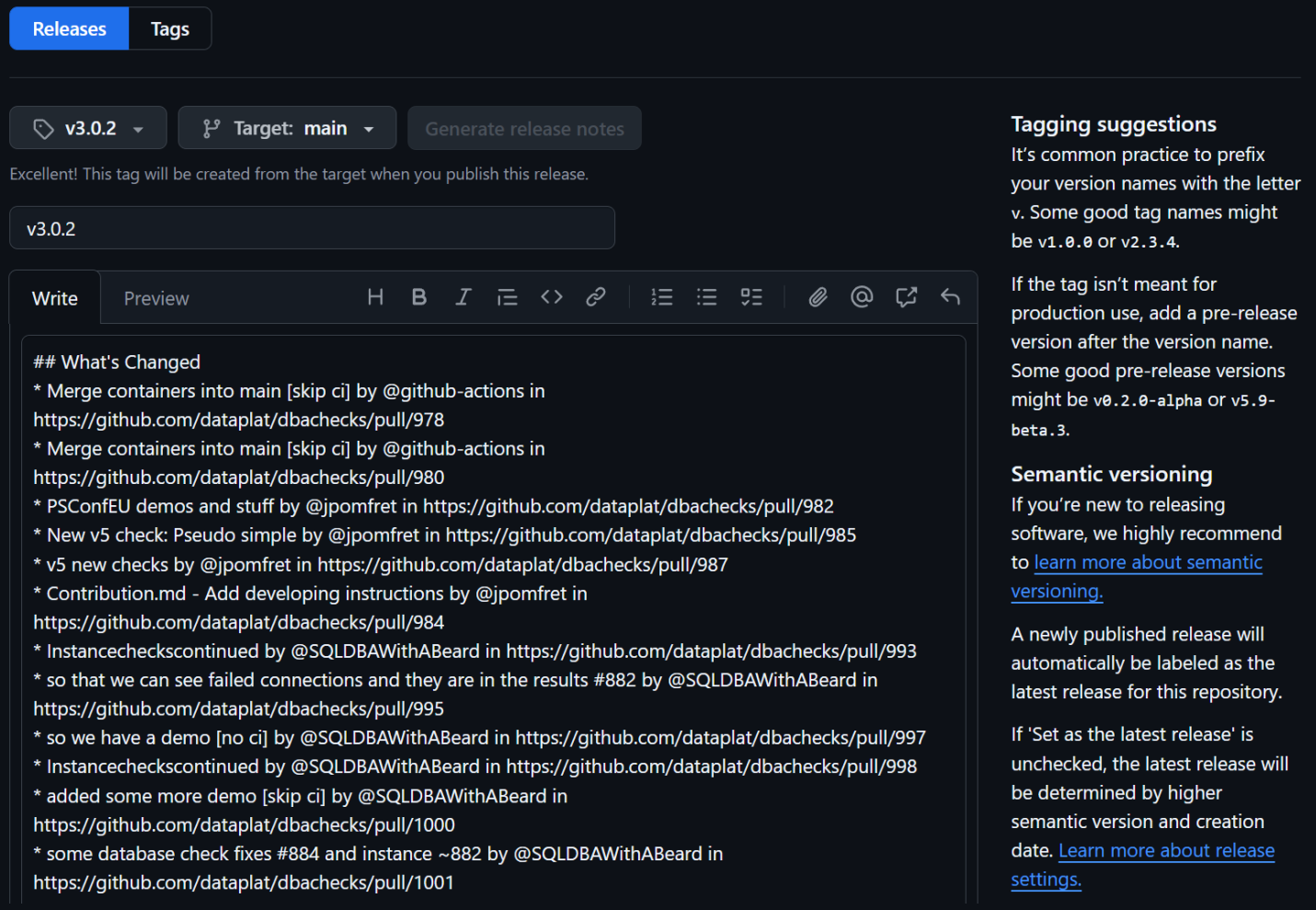
If the tag isn't meant for production use, add a pre-release version after the version name. Some good pre-release versions might be `v0.2.0-alpha` or `v5.9-beta.3`.

Semantic versioning

If you're new to releasing software, we highly recommend to learn more about semantic versioning.

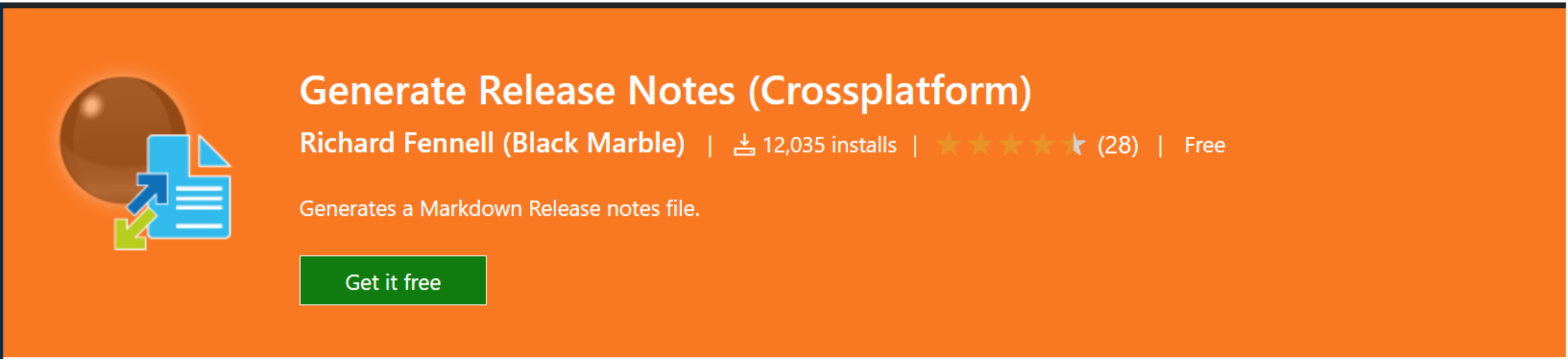
A newly published release will automatically be labeled as the latest release for this repository.

If 'Set as the latest release' is unchecked, the latest release will be determined by higher semantic version and creation date. Learn more about release settings.



https://docs.github.com/en/repositories/releasing-projects-on-github/automatically-generated-release-notes

Automating Release Notes – Azure DevOps



https://marketplace.visualstudio.com/items?itemName=richardfennellBM.BM-VSTS-XplatGenerateReleaseNotes

That was all very serious and for work it is important

"Wasted Years" is a song by the English heavy metal band Iron Maiden. It is t
ime (1986).
Face up... make your stand And realise you're living in the golden years
So understand Don't waste your time always searching for Those wasted years
So understand Don't waste your time always searching for Those wasted years
Face up... make your stand And realise you're living in the golden years
So understand Don't waste your time always searching for Those wasted years
Face up... make your stand And realise you're living in the golden years
So understand Don't waste your time always searching for Those wasted years
And it makes me wanna cry and throw my Hands up to the sky
When you can't find the words to say it's hard to Make it through another day
Too much time on my hands, I got you on my mind Can't ease this pain, so easy
Face up... make your stand And realise you're living in the golden years
So understand Don't waste your time always searching for Those wasted years
And my heart is lying there and will be 'til my Dying day
Ain't it funny how it is, you never miss it 'til it's Gone away
I close my eyes, and think of home Another city goes by in the night
And all the things I sometimes do, it isn't me but Someone else

I am solely talking about Work commits here — Your own open-source project, rules can be looser


You can have fun as well ☺



Rob He/Him - Not an AI generated spea @sqldbawithbe · Jun 16, 2021 ···

Replying to @pshore73

Todays **commit** messages include gems such as
"once more with feeling"
"this should not be this hard"
"so YYYY _is_ actually important"
"no surprise - its ZZZZZ again"
"please can I see the variables"
"paths and AzDo hate Rob"
"This is not the var you are looking for"

 1



 4









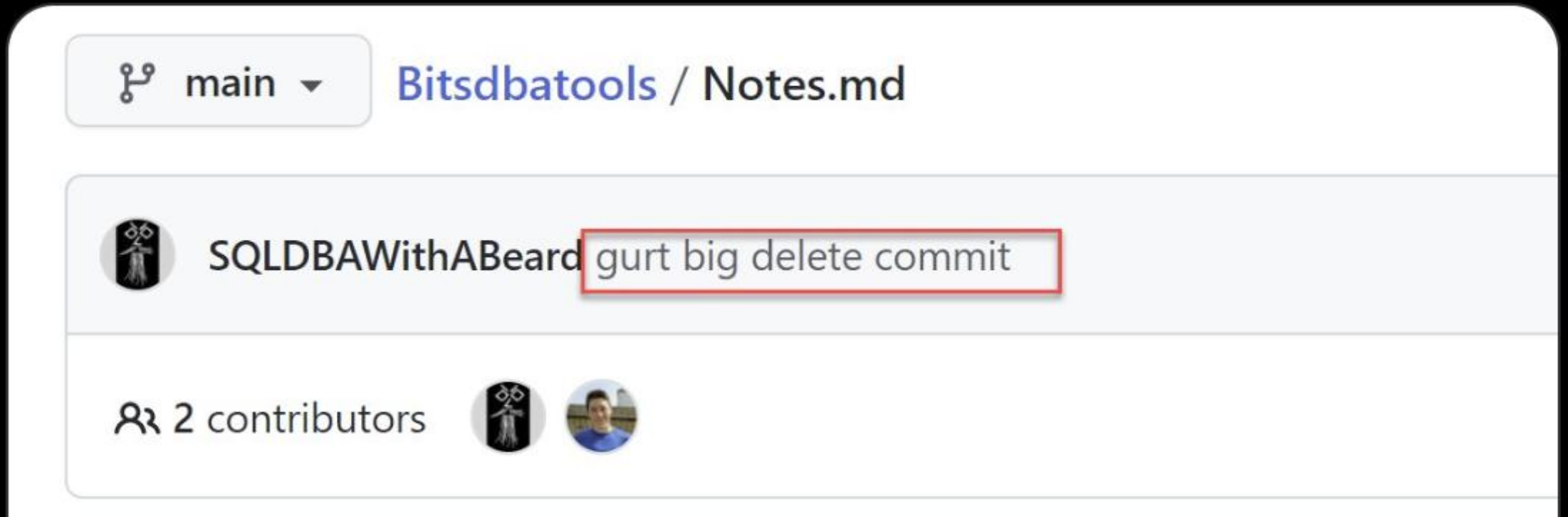
Jess Pomfret (@Jpomfret@tech.lgbt) @jpomfret · Mar 4, 2022

Replying to @sqldbawithbeard

Hey Rob

what happened to the notes... 🤣🤣

Also top west country **commit** message





Rob He/Him – Not an AI generated spe @sqldbawithbe · Mar 26, 2020 ···

Replying to @Pittfurg

git **commit** -m ‘this will do it’
git **commit** -m ‘grrrrr’
git **commit** -m ‘come on’
git **commit** -m ‘gnnnnaaaahhh’
git **commit** -m ‘revert’
git **commit** -m ‘try this’
git **commit** -m ‘seriously’
git **commit** -m ‘final update’
git **commit** -m ‘last update’




5






AS A PROJECT DRAGS ON, MY GIT COMMIT MESSAGES GET LESS AND LESS INFORMATIVE.

Working in a team

Just like coding guidelines, you should discuss and agree and document AND follow some rules



What Does a commit message look like?

- What language should it be written in?

What Does a commit message look like?

- What language should it be written in?
- What does it look like? Capitilisation ?

What Does a commit message look like?

- What language should it be written in?
- What does it look like? Capitilization ? (see above)

What Does a commit message look like?

- What language should it be written in?
- What does it look like? Capitilisation ?
- Title and body
- Reference to work items etc

Clear and Concise Message



A clear and concise commit message is important because it helps other developers understand the changes made in the commit and provides context for future development.

What Does a commit message look like?

`[Action Word] [item] [reference]`

Added	Feature	#123456
Removed	Class	Confluence 43231
Updated	Procedure	Work Item 1234
Altered	View	Task 34
Simplified	Template	Tag 76
Linked	Function	The boss said so

Some Other Suggestions

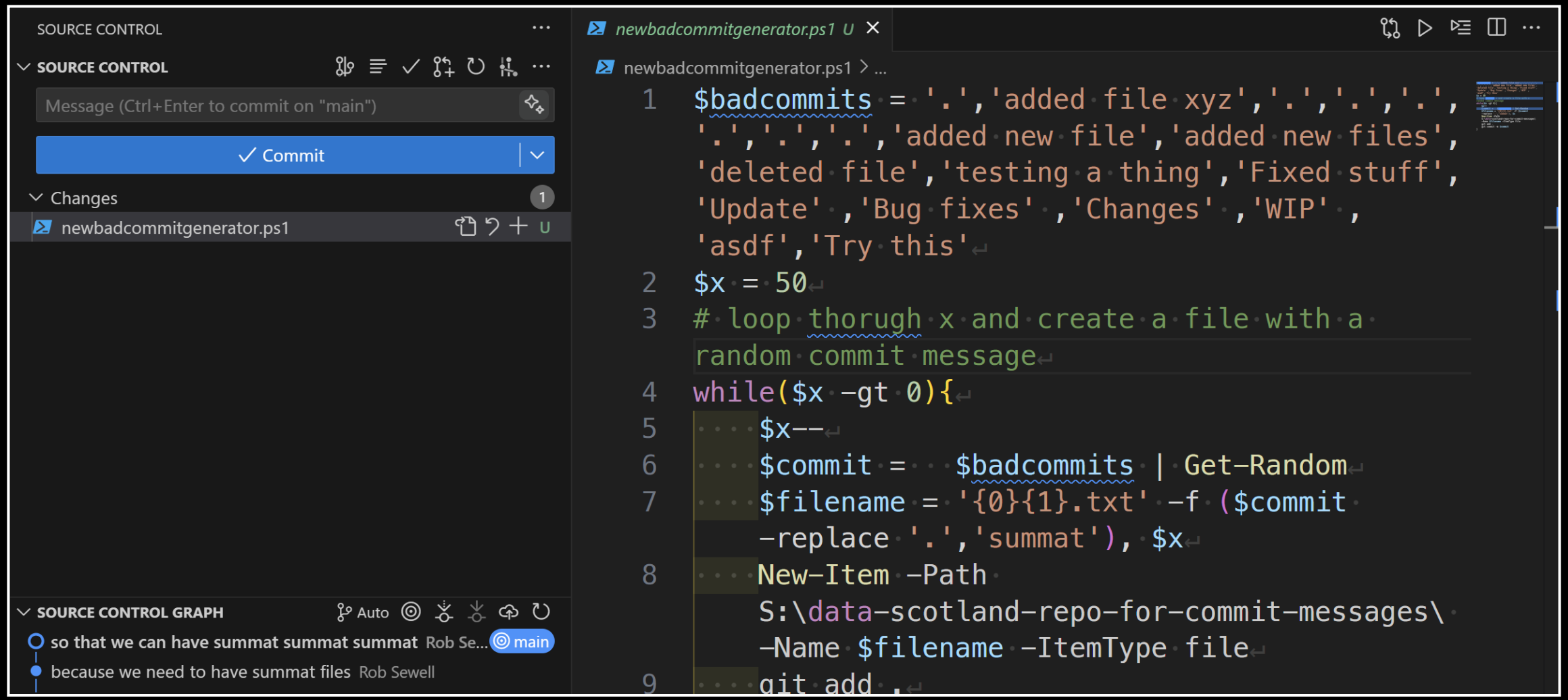
- **You can follow these rules for creating the great commit message**
- Limit the subject line to 50 characters
- Capitalize the subject/description line
- Do not end the subject line with a period
- Separate the subject from the body with a blank line
- Use the imperative mood in the subject line
- Wrap the body at 72 characters
- Use the body to explain what and why



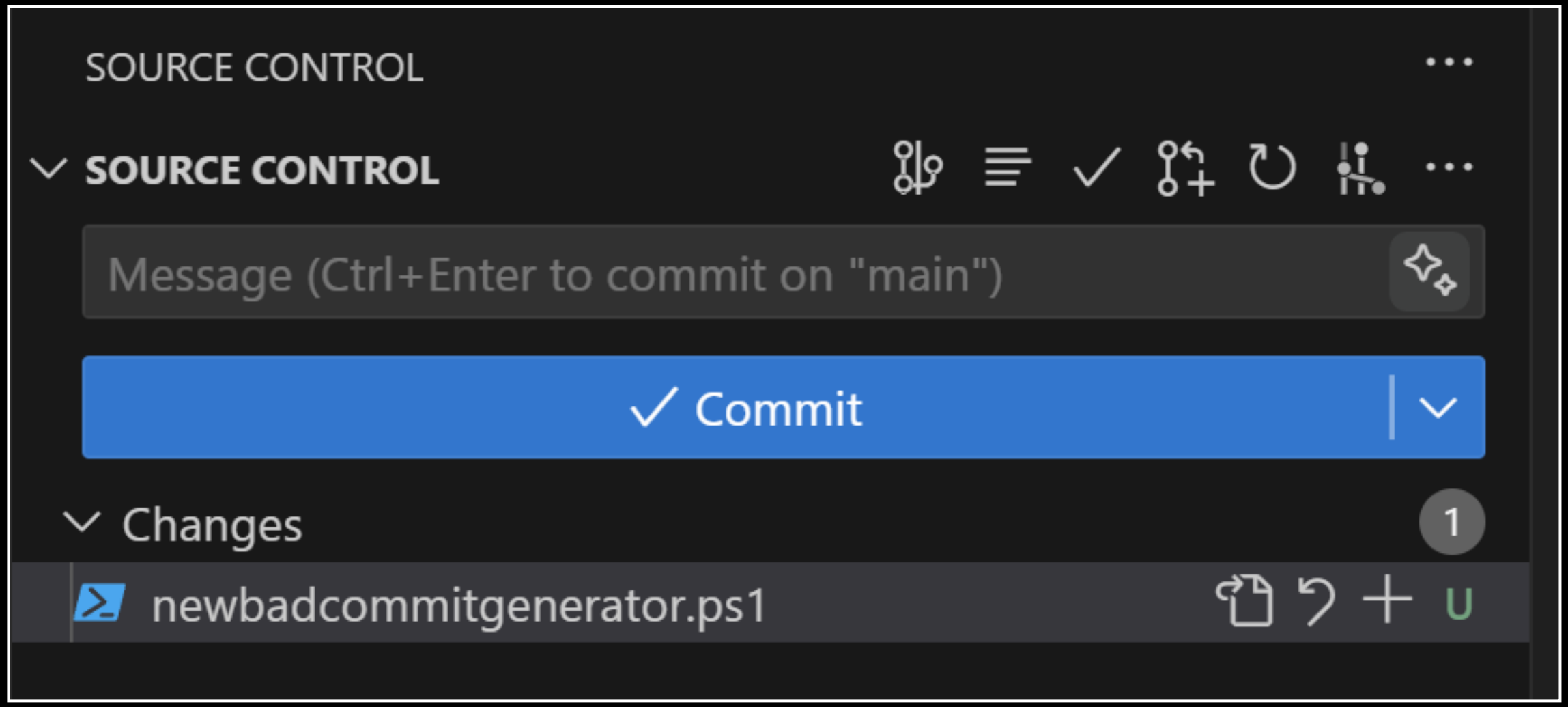
Here is a good place to start

https://udacity.github.io/git-styleguide/

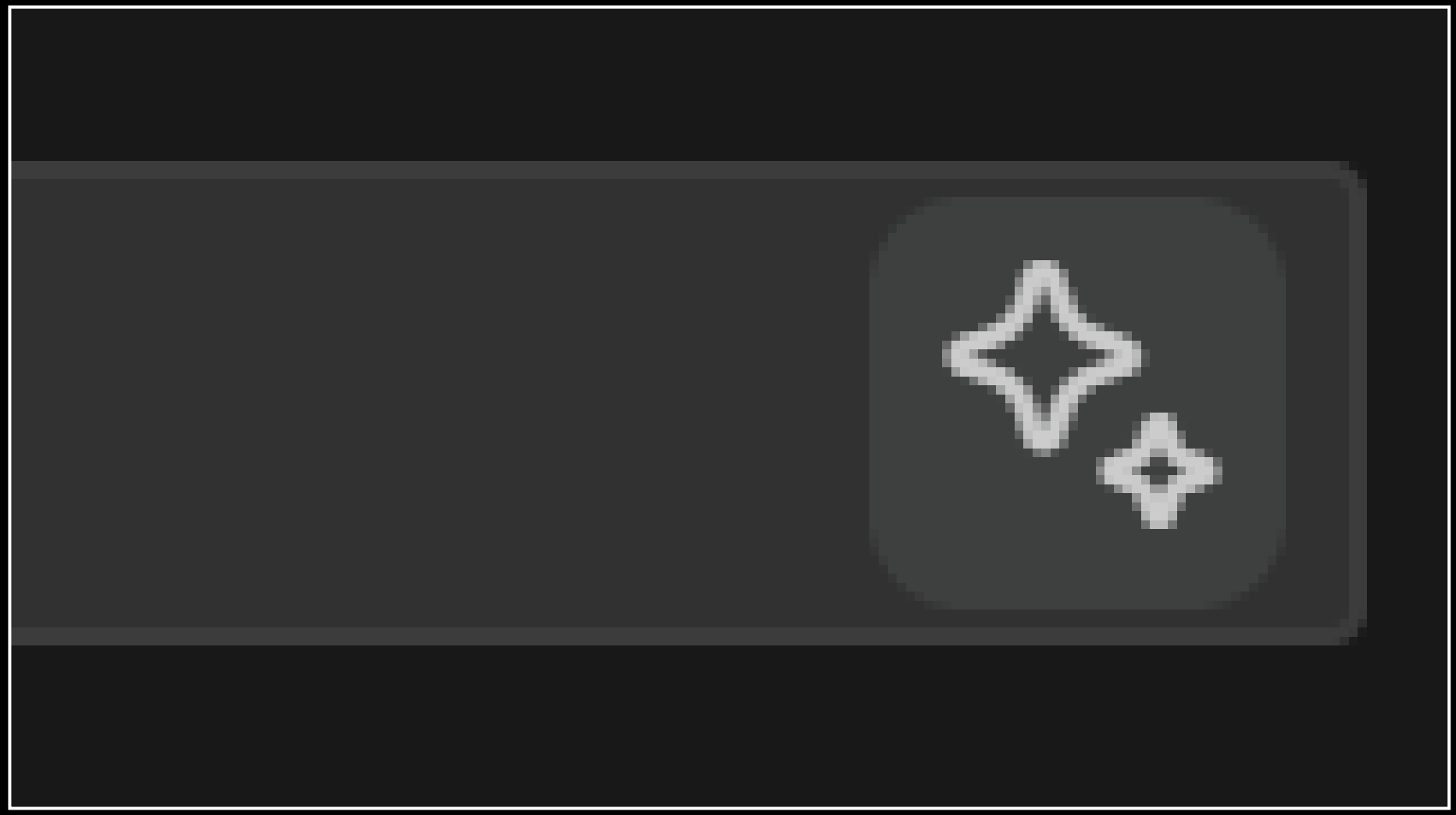
AI



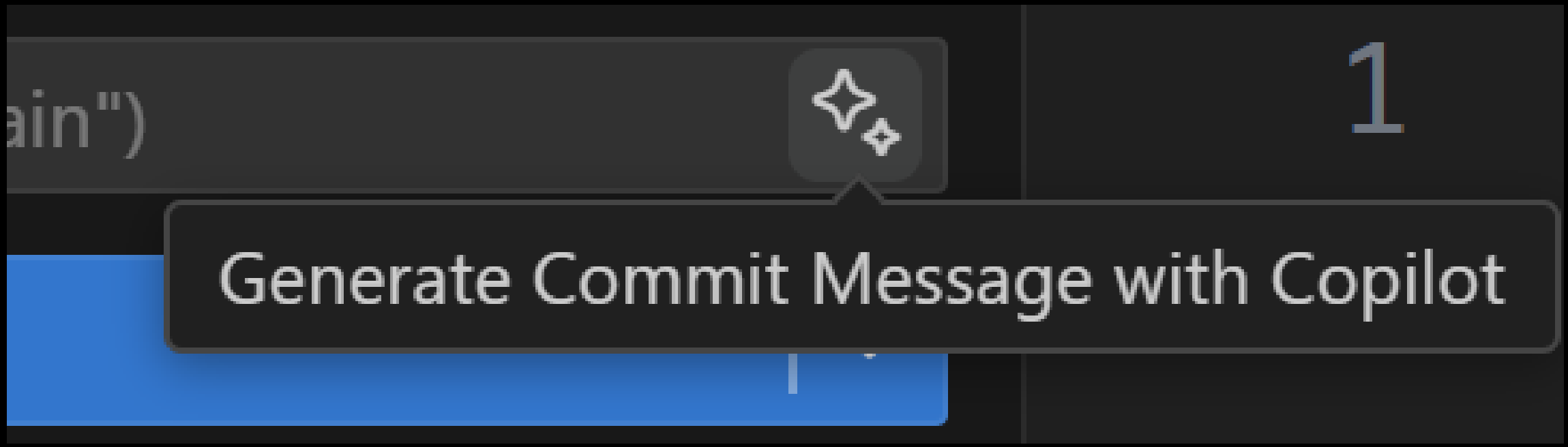
Visual Studio Code and GitHub Copilot



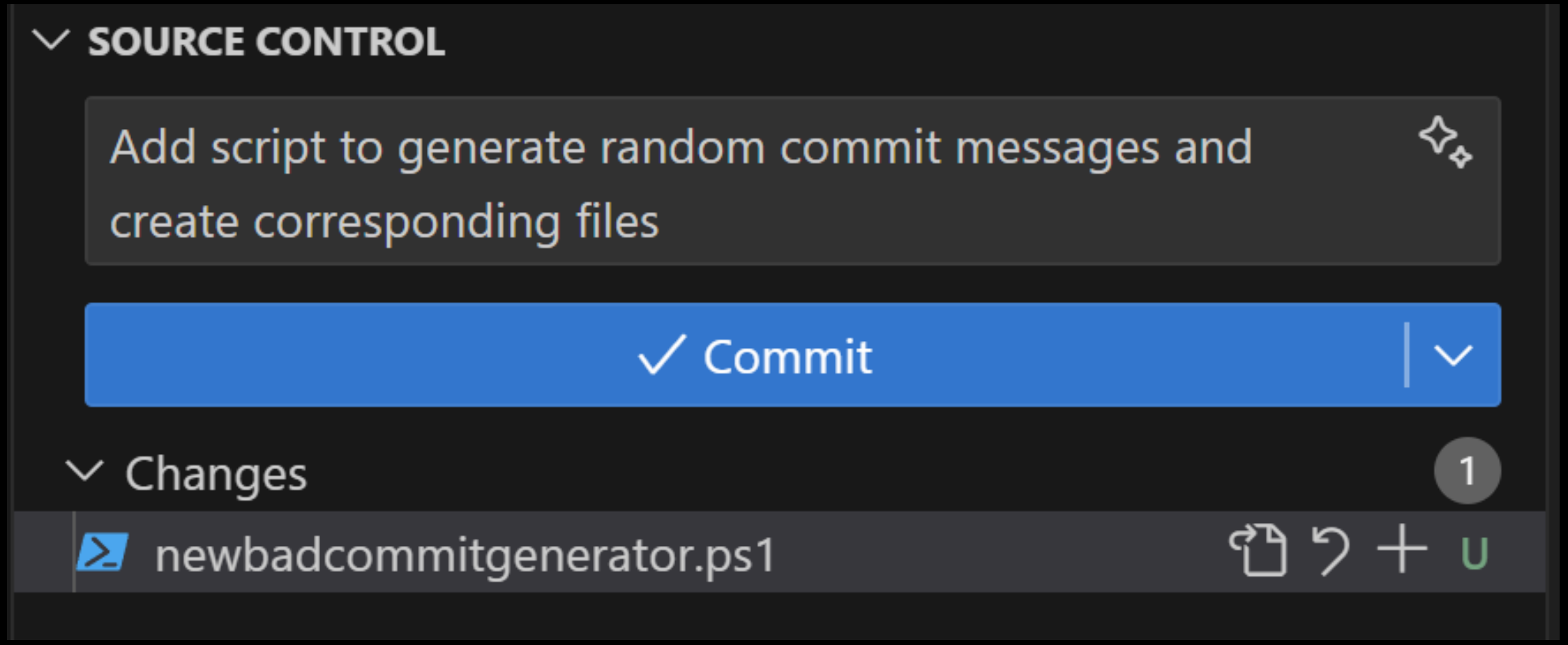
Visual Studio Code and GitHub Copilot



Visual Studio Code and GitHub Copilot



Visual Studio Code and GitHub Copilot



Visual Studio Code and GitHub Copilot

copilot 39 Settings Found

User Workspace Last synced: 0 secs ago

degrade Copilot's quality and performance.

Edit in settings.json

Github › Copilot › Chat › Commit Message Generation: Instructions
Experimental

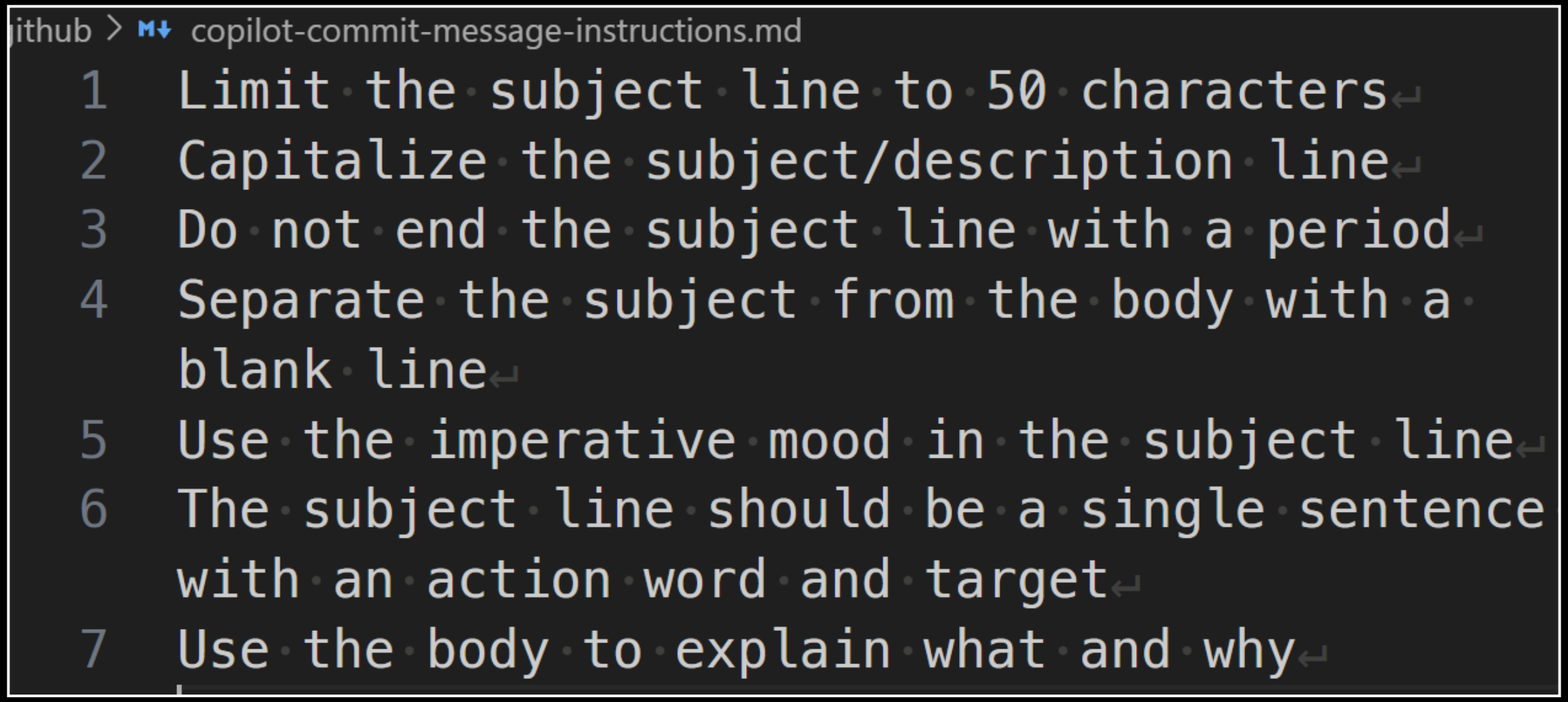
A set of instructions that will be added to Copilot requests that generate commit messages. Instructions can come from:

- a file in the workspace: `{ "file": "fileName" }`
- text in natural language: `{ "text": "Use conventional commit message format." }`

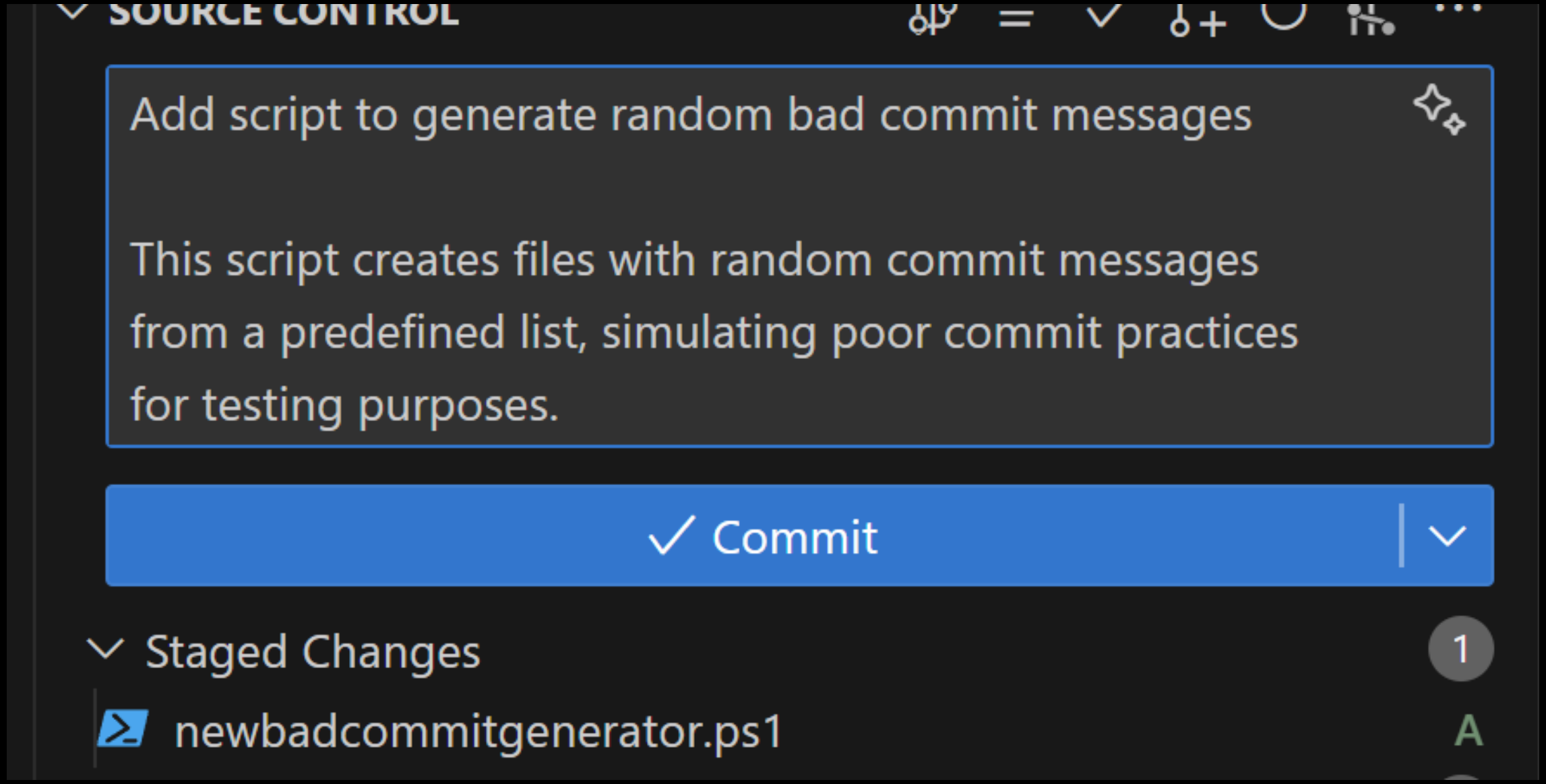
Note: Keep your instructions short and precise. Poor instructions can degrade Copilot's quality and performance.

Edit in settings.json

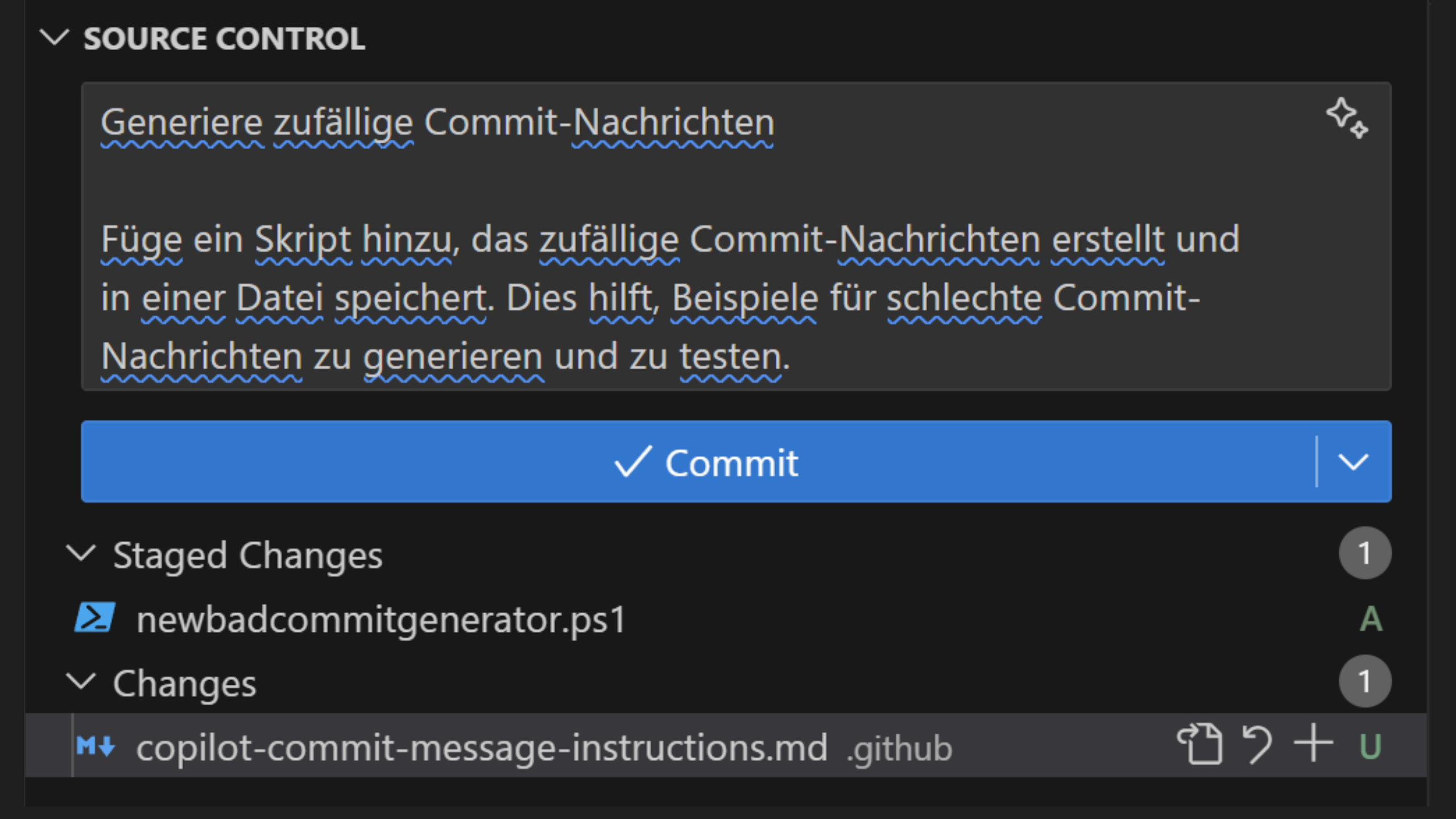
```
"github.copilot.chat.commitMessageGeneration.instructions": [
    {
        "file": ".github/copilot-commit-message-instructions.md"
    }
]
```



Create the file and add some instructions


SOURCE CONTROL
Add script to generate random bad commit messages
This script creates files with random commit messages from a predefined list, simulating poor commit practices for testing purposes.
Commit
Staged Changes
1
newbadcommitgenerator.ps1
A

```
1  The commit message should be in German
2  Limit the subject line to 50 characters
3  Capitalize the subject/description line
4  Do not end the subject line with a period
5  Separate the subject from the body with a
   blank line
6  Use the imperative mood in the subject
   line
7  The subject line should be a single
   sentence with an action word and target
8  Use the body to explain what and why
9
```


SOURCE CONTROL
Generiere zufällige Commit-Nachrichten
Füge ein Skript hinzu, das zufällige Commit-Nachrichten erstellt und in einer Datei speichert. Dies hilft, Beispiele für schlechte Commit-Nachrichten zu generieren und zu testen.
Commit
Staged Changes
1
newbadcommitgenerator.ps1
A
Changes
1
copilot-commit-message-instructions.md .github
U

LASTLY

Don’t use just a

.

for your commit message



