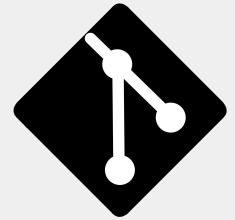


Commit messages as a long term investment



Structuring history for the future.

Faisal Al-Rayes
Software Delivery Engineer

whoami

```
🏠 ~ > git config --get user.name
Faisal Al-Rayes
🏠 ~ > git config --get user.server
Hashemite Kingdom of Jordan
🏠 ~ > git config --get user.uni
Czech Technical University in Prague (CVUT)
🏠 ~ > git config --get user.study
Mechanical Engineering (IT and Automation)
🏠 ~ > git config --get user.occupation
Software Delivery Engineer at Red Hat
🏠 ~ > git config --get user.hobbies
- Latin Dancing
- Psychology
- Financial Markets
```

What value can I extract from this talk?

- Think at the forefront of your mind of the way you structure your commits.
- Think of commit message structures that would make sense for the projects you work on.



Work
(Commit Change)

Gather
(Commit Construction)

Label
(Commit Message)

Publish
(Commit Push)



Agenda

“0”: “Understand commits on a high level”,

“1”: “Commit structure elements”,

“2”: “Commit message example”,

“3”: “Commit message template demo”

Ground up understanding of git commits

Git commits are meant to package a set of changes into a single unit of storage and need a good label to perform their job well.



Commit structure elements

These are some of the most common structure elements when it comes to commit messages.



Commit Title

What does the commit enable/do? (start with uppercase imperative verb)



Reasoning

Why was this commit necessary?



Methodology

How was this change implemented?



Line lengths

Keep the title length up to 50 characters and the rest up to 72 characters.

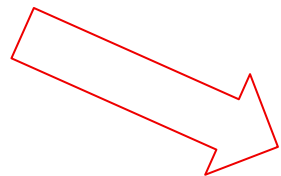


Commit title

An illustration of what this commit represents.



```
ca5a88c (HEAD -> master) Deleted sms_auth() method
```



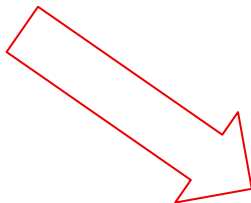
```
8906b28 (HEAD -> master) Drop sms authentication support
```

Commit reasoning

An illustration of why this commit was necessary.



```
ca5a88c (HEAD -> master) Deleted sms_auth() method
```



```
commit 19e0b09e1f47789d98f458b9806eb8cddb060575 (HEAD -> master)  
Author: Faisal Al-Rayes <falrayes@redhat.com>  
Date: Sun Aug 11 16:52:22 2024 +0200
```

Drop sms authentication support

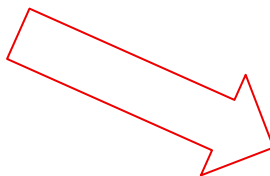
This change is due to X and Y which makes it necessary to drop this capability to comply with Z.

Commit methodology

An illustration of commit information on how the change was done.



```
ca5a88c (HEAD -> master) Deleted sms_auth() method
```



```
commit 5b6cd0f18269cf2b917b2a2ab3b431d9cc26140c (HEAD -> master)
Author: Faisal Al-Rayes <falrayes@redhat.com>
Date:   Sun Aug 11 16:52:22 2024 +0200

    Drop sms authentication support

    This change is due to X and Y which makes it necessary to drop this
    capability to comply with Z.

    The capability was dropped through deleting the sms_auth method and
    removing sms authentication from the auth_methods_white_list in the
    authenticator
```

Git commit template Demo

Thank you for you
attention!



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