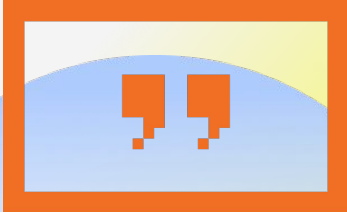


Jujutsu(jj)

Hosted by:



yodeck

whoami

- Linux system engineer
- etc.



Jujutsu (jj)

a Git-compatible VCS that is both simple and powerful

Hype: `git`



`jj`



Jujutsu (jj)

a Git-compatible VCS that is both simple and powerful

Reality: `git`



`jj`



Quickly going to chug

- What jj does differently
- Snippets to familiarize yourself with common tasks
- Explain two common ways of working
- Have a guided workshop

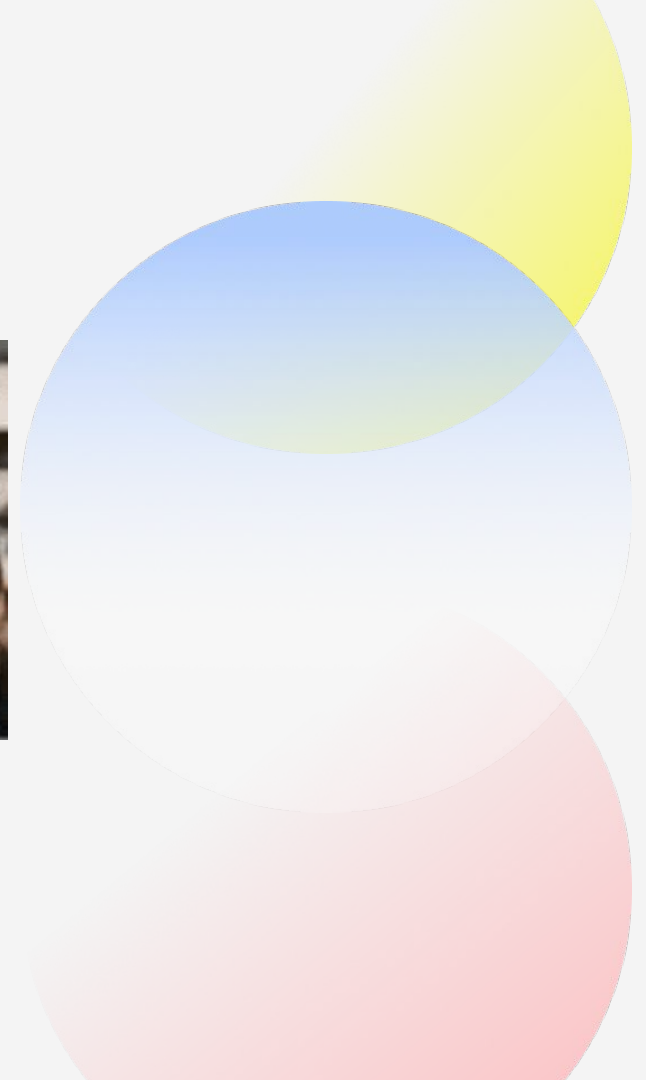
Not going to...

- Cover many nice features. Evolog, oplog, revset
- How you would do advanced git operations
- How to configure it or use it with IDEs
- Answer uncomfortable questions



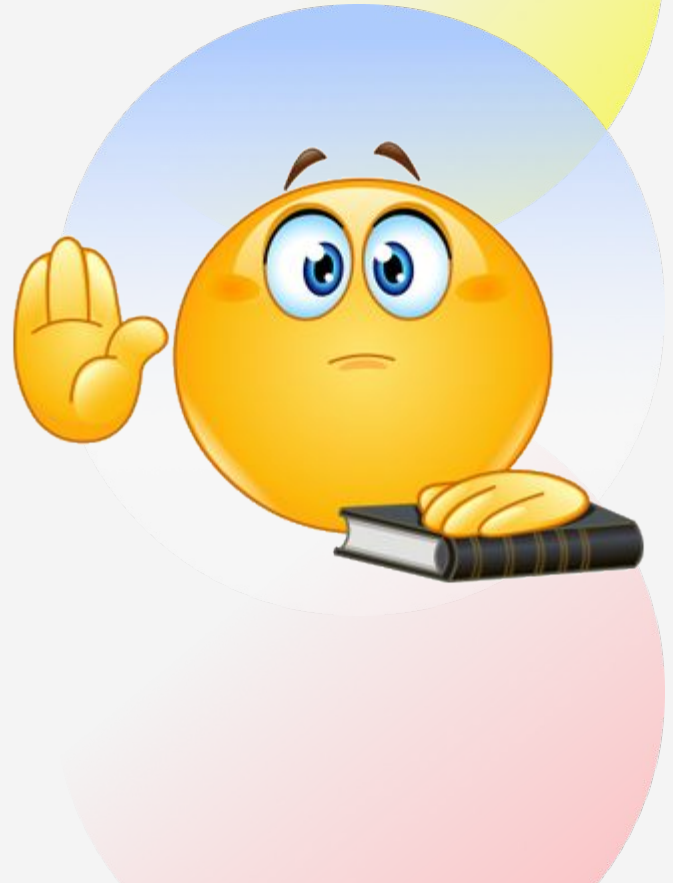
Ask people to ask questions

JJ vs GIT



Commits vs. changes

- In *git* you commit (a.k.a immutable changes).
- In *jj* a change is a unit of work



Branchless work

It's changes all the way down!!! 🐢

Detached HEAD is your safe space...



Dependency auto update

Change it in one place and the changes propagate down



Conflicts are fine

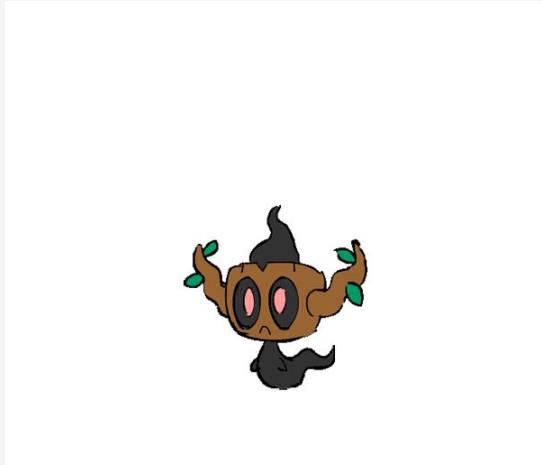
Conflicts != emergencies:

Just commit them and deal with them later



Oplog and Evolog

Oplog - a log of jj commands that you can view/revert
Evolog - how your change evolved over time



Init jj and track main

```
[dev/tmp/jj-athens] (↵ main|✓)
```

```
>> jj git init --colocate
```

```
Done importing changes from the underlying Git repo.
```

```
Setting the revset alias `trunk()` to `main@origin`
```

```
Hint: The following remote bookmarks aren't associated with the existing local bookmarks:
```

```
main@origin
```

```
Hint: Run the following command to keep local bookmarks updated on future pulls:
```

```
jj bookmark track main@origin
```

```
Initialized repo in "."
```

```
Hint: Running `git clean -xdf` will remove `.jj/`!
```

```
[dev/tmp/jj-athens] (↵ main|✓)
```

```
>> jj bookmark track main@origin
```

```
Started tracking 1 remote bookmarks.
```

```
[dev/tmp/jj-athens] (↵ main|✓)
```

```
>> jj
```

```
@ wppsywql simonas+icarus@narbuto.lt 57 seconds ago 45506f24
```

```
| (empty) (no description set)
```

```
◆ rtwytwxt simonas@narbuto.lt 1 day ago main git_head() 4adb4a57
```

```
| Initial commit
```

```
~
```

Add files, desc.

```
[dev/tmp/jj-athens] (⌘ main|✓)
1 >> nix flake init -t /s#rust
[dev/tmp/jj-athens] (⌘ main|+7✓)
2 >> jj status
Working copy changes:
A .envrc
A .github/workflows/build_nix.yml
A .gitignore
A Cargo.toml
A Justfile
A flake.nix
A src/main.rs
Working copy (@) : qlwzpwxs 4a80f7b6 (no description set)
Parent commit (@-): rtwytwxt 4adb4a57 main | Initial commit
[dev/tmp/jj-athens] (⌘ main|+7✓)
4 >> jj describe
Working copy (@) now at: qlwzpwxs c9f3c20e new rust project that will not be abandoned
Parent commit (@-)      : rtwytwxt 4adb4a57 main | Initial commit
[dev/tmp/jj-athens] (⌘ main|+7✓)
5 >> jj describe
Working copy (@) now at: qlwzpwxs 9ae3d82a new rust project
Parent commit (@-)      : rtwytwxt 4adb4a57 main | Initial commit
```

```
1 new rust project that will not be abandoned
2 JJ: Change ID: wppsywql
3 JJ: This commit contains the following changes:
4 JJ:   A .gitignore
5 JJ:   A Cargo.toml
```

Branching off changes

```
1 [dev/tmp/jj-athens] (↳ HEAD4adb4a5|+7)
>> jj new -m "clutter README with emojis"
Working copy (@) now at: x1qzmpoz 59744eba (empty) clutter README with emojis
Parent commit (@-)      : qlwzpwxs 9ae3d82a new rust project
[dev/tmp/jj-athens] (↳ HEAD9ae3d82|)
>> jj
@ x1qzmpoz simonas+icarus@narbuto.lt now df711388
| clutter README with emojis
o qlwzpwxs simonas+icarus@narbuto.lt 24 minutes ago git_head() 9ae3d82a
| new rust project
◆ rtwytwxt simonas@narbuto.lt 1 day ago main 4adb4a57
| Initial commit
~

2 [dev/tmp/jv-athens] (↳ HEAD9ae3d82|+1)
>> jj new q -m "clutter README with ascii"
Working copy (@) now at: qlnkkwuo b04aef4c (empty) clutter README with ascii
Parent commit (@-)      : qlwzpwxs 9ae3d82a new rust project
Added 0 files, modified 1 files, removed 0 files
[dev/tmp/jj-athens] (↳ HEAD9ae3d82|)
>> jj
@ qlnkkwuo simonas+icarus@narbuto.lt now 4a10d763
| clutter README with ascii
o x1qzmpoz simonas+icarus@narbuto.lt 1 minute ago df711388
| clutter README with emojis
o qlwzpwxs simonas+icarus@narbuto.lt 26 minutes ago git_head() 9ae3d82a
| new rust project
◆ rtwytwxt simonas@narbuto.lt 1 day ago main 4adb4a57
| Initial commit
~
```

Making conflicts

```
[dev/tmp/jj-athens] (↳ HEADaa4184b|...)  
>> jj  
1 @ mkmxvrvo simonas+icarus@narbuto.lt now 75c68a77  
   | add ascii emoji explanation  
   | o xsnxoouy simonas+icarus@narbuto.lt 4 minutes ago git_head() aa4184bb  
   | clutter README with ascii  
   | o ylvqpvkx simonas+icarus@narbuto.lt 3 minutes ago 3e215364  
   | clutter README with emojis  
   | o qlwzpwxs simonas+icarus@narbuto.lt 1 hour ago 9ae3d82a  
   | new rust project  
   | ♦ rtwytwxt simonas@narbuto.lt 1 day ago main 4adb4a57  
   | Initial commit  
   |  
   ~  
[dev/tmp/jj-athens] (↳ HEADaa4184b|+1)  
2 >> jj rebase --branch y --insert-before x  
Skipped rebase of 1 commits that were already in place  
Rebased 2 descendant commits  
Working copy (@) now at: mkmxvrvo 9ecc49c6 (conflict) add ascii emoji explanation  
Parent commit (@-) : xsnxoouy 7f54fbf9 (conflict) clutter README with ascii  
Added 0 files, modified 1 files, removed 0 files  
Warning: There are unresolved conflicts at these paths:  
README.md 2-sided conflict  
New conflicts appeared in 2 commits:  
mkmxvrvo 9ecc49c6 (conflict) add ascii emoji explanation  
xsnxoouy 7f54fbf9 (conflict) clutter README with ascii  
Hint: To resolve the conflicts, start by creating a commit on top of  
the first conflicted commit:  
jj new xsnxoouy  
3 Then use `jj resolve`, or edit the conflict markers in the file directly.  
Once the conflicts are resolved, you can inspect the result with `jj diff`.  
Then run `jj squash` to move the resolution into the conflicted commit.
```

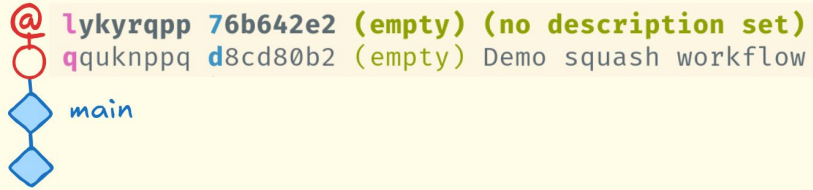

Pushing to remote

```
[dev/tmp/jj-athens] (↳ HEAD090b338|+1)
>> jj bookmark create clutter-readme
Created 1 bookmarks pointing to mkmxvrvo 51303dec clutter-readme | add ascii emoji explanation
[dev/tmp/jj-athens] (↳ HEAD090b338|+1)
>> jj
@ mkmxvrvo simonas+icarus@narbuto.lt 24 minutes ago clutter-readme 51303dec
| add ascii emoji explanation
o xsnxoouy simonas+icarus@narbuto.lt 24 minutes ago git_head() 090b338f
| clutter README with ascii
o ylvqpvkx simonas+icarus@narbuto.lt 31 minutes ago 3e215364
| clutter README with emojis
o qlwzpwxs simonas+icarus@narbuto.lt 1 hour ago 9ae3d82a
| new rust project
◆ rtwytwxt simonas@narbuto.lt 1 day ago main 4adb4a57
| Initial commit
~
[dev/tmp/jj-athens] (↳ HEAD090b338|+1)
>> jj git push -b clutter-readme --remote origin --allow-new
Changes to push to origin:
  Add bookmark clutter-readme to 51303dec9c5b
remote: Resolving deltas: 100% (3/3), done.
remote:
remote: Create a pull request for 'clutter-readme' on GitHub by visiting:
remote:   https://github.com/simisimis/jj-athens/pull/new/clutter-readme
remote:
```

Make changes after pushing to remote

```
[dev/tmp/jj-athens] (⤵ HEAD090b338|+1)
>> jj
@ mkmxvrvo simonas+icarus@narbuto.lt 33 minutes ago clutter-readme 51303dec
| add ascii emoji explanation
o xsnxoouy simonas+icarus@narbuto.lt 33 minutes ago git_head() 090b338f
| clutter README with ascii
o ylvqpvkx simonas+icarus@narbuto.lt 41 minutes ago 3e215364
| clutter README with emojis
o qlwzpwxs simonas+icarus@narbuto.lt 1 hour ago 9ae3d82a
| new rust project
♦ rtwytwxt simonas@narbuto.lt 1 day ago main 4adb4a57
| Initial commit
~
[dev/tmp/jj-athens] (⤵ HEAD090b338|+1)
>> jj squash -f x -t y
Rebased 1 descendant commits
Working copy (@) now at: mkmxvrvo 5078556c clutter-readme* | add ascii emoji explanation
Parent commit (@-)      : ylvqpvkx caa34fbc clutter README with emojis AND ascii
[dev/tmp/jj-athens] (⤵ HEADcaa34fb|+1)
>> jj git push
Changes to push to origin:
  Move sideways bookmark clutter-readme from 51303dec9c5b to 5078556c4fa3
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
```

Squash workflow

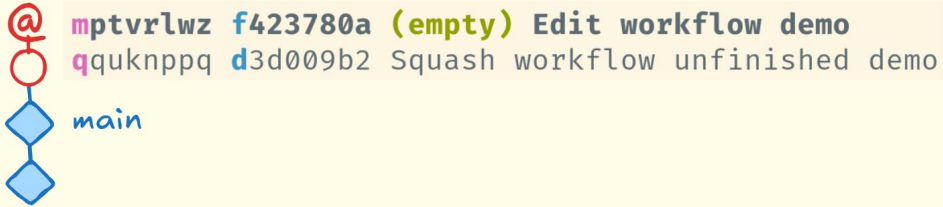


```
@ lykyrqpp 76b642e2 (empty) (no description set)
q quknppq d8cd80b2 (empty) Demo squash workflow
main
```

1. `jj new -m "Demo squash workflow"`
2. `jj new d`
3. make changes at @
4. `jj squash`

You should NOT be taking questions here

Edit workflow

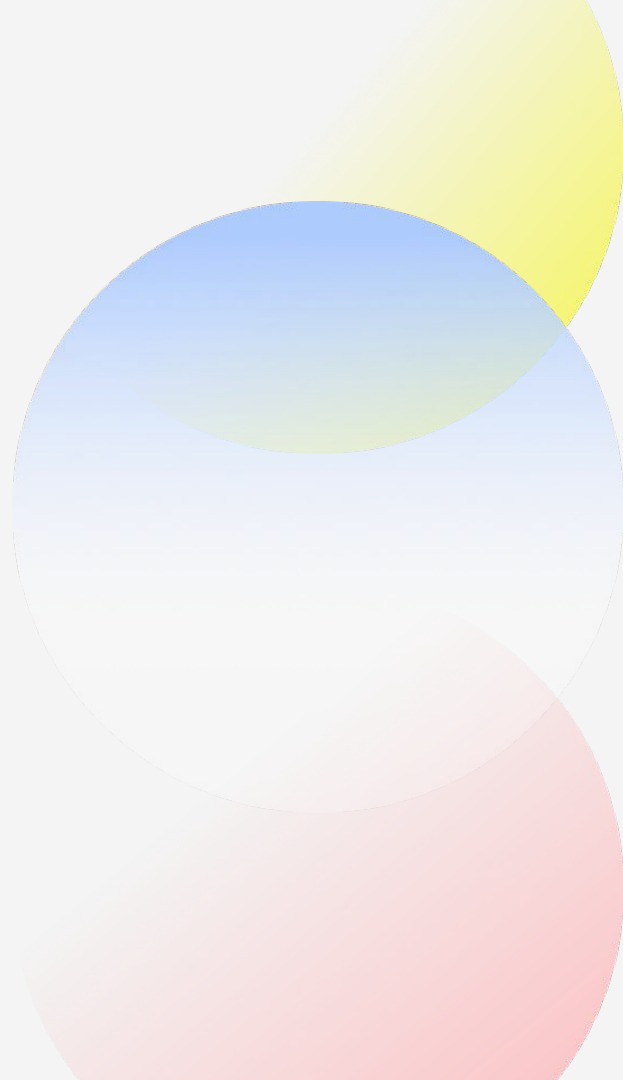


1. `jj edit q`
2. `jj next`
3. `jj desc m`
4. No steps really...

You should NOT be taking questions here

What's next

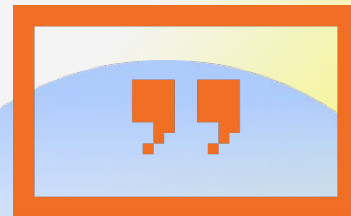
- Get dirty!
 - Read on *revsets, oplog, evolog*
 - Read on *Stacked PRs*
-
- Fosdem2026: *Evolving git for the next decade @37:00*
https://fosdem.org/2026/schedule/event/HTJK33-evolving_git_for_the_next_decade/
 - **jj** strategies
<https://reasonablypolymorphic.com/blog/jj-strategy/>
 - Visual code extension
<https://www.visualjj.com/>



The workshop

- Initialize jj on a git repository
- Track remote
- Explore the commands and how to navigate
- Make changes using squash workflow
- Make changes using edit workflow
- Create and push a PR to remote
- Maybe something else along the way

Hosted by:



yodeck