Using ediff3 from Emacs as merge-tool in Mercurial (hg)

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With Corona/COVID-19 raging through the country, many people are in full homeoffice, so you might need a merge-tool that works in the terminal and in graphical mode and still provides a convenient 3-way merge.



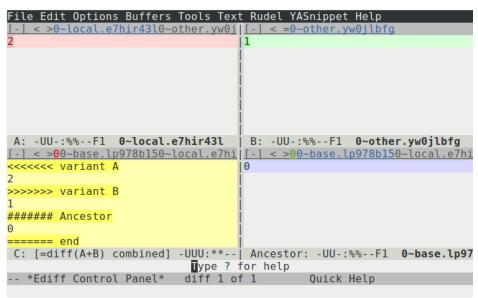
So here's a simple guide to setup Emacs ediff3 as a merge-tool for Mercurial.

Prepare the ediff3-script in ~/.local/bin/ediff3 which runs emacs:

```
#!/bin/bash
if [ $# -ne 4 ]; then
   echo Usage: $0 local other base output
   exit 1
fi
exec emacs --eval '(ediff-merge-with-ancestor "',$1'" "',$2'" "',$3'" nil "',$4'")'
   Make it executable:
chmod +x ~/.local/bin/ediff3
   Remember to put ~/.local/bin/ in your PATH by editing ~/.bashrc:
# add ~/.local/bin to your search path
export PATH="$HOME/.local/bin/:$PATH"
   Then configure ediff3 as your merge-tool in ~/.hgrc:
[ui]
merge = ediff3
[merge-tools]
ediff3.executable = ediff3
ediff3.args = $local $other $base $output
   Try it out:
hg init /tmp/foo
cd /tmp/foo
echo 0 > 0
hg ci -Am O
echo 1 > 0
hg ci -Am 1
hg up 0
echo 2 > 0
hg ci -Am 2
hg merge
   You'll see ediff3 in GUI mode:
```

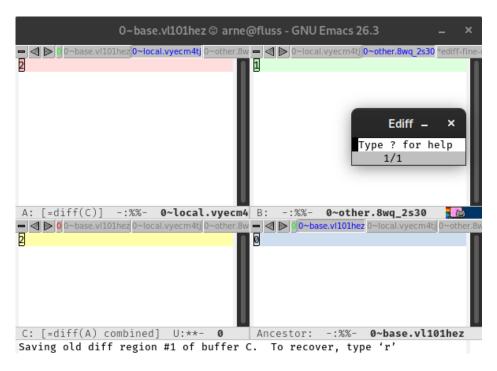


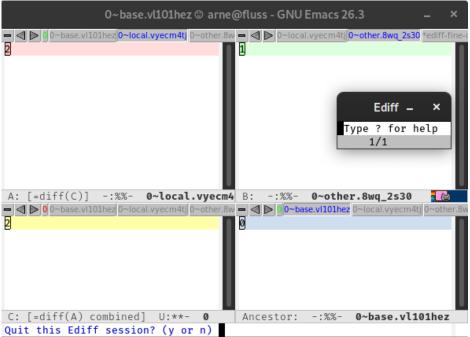
or in Terminal-mode:

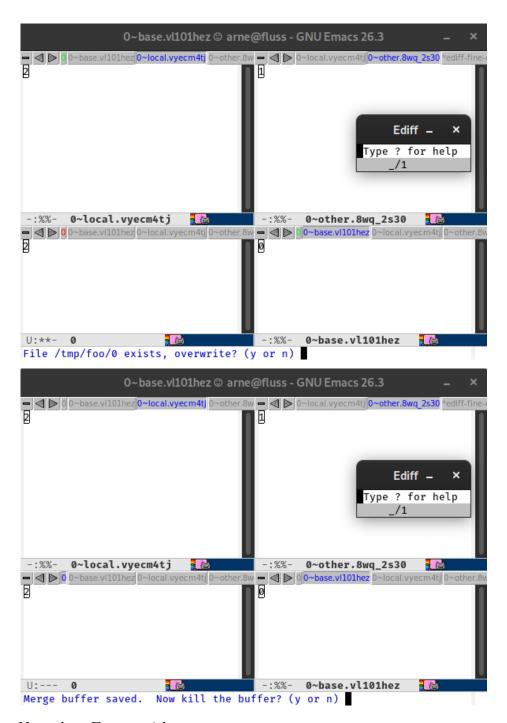


Type \$\$ to focus on conflicts. Type n to jump to the first conflict. Hit a or b to select. You can edit as you wish.

Let's finish the example merge-session with q:







Now close Emacs with CTRL-x CTRL-c. Have fun!