



# NuShell

## Superglue for your OS

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# Introduction

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What does the following Bash code do?

```
find . -type f -name "*.log" -mtime +30 -exec rm {} \;
```

What does the following Bash code do?

```
find . -type f -name "*.\log" -mtime +30 -exec rm {} \;
```

Nu:

```
ls **/*.\log | where modified < (date now) - 30day | rm
```

Improvements:

- Decomposes the problem with pipes
- Does not require lean `find` flags
- Built-in glob, duration and date type

# Workshop

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# Installation

<https://www.nushell.sh/book/installation.html>

- Rust: cargo install nu
- Mac: brew install nushell
- Windows: winget install nushell
- Nix: nix-shell -p nushell
- Binaries: [github.com/nushell/nushell/releases](https://github.com/nushell/nushell/releases)

# Exercises

Have a look at the \*.nu files in this repo.

To run an exercise:

```
exercises/exercise-1.nu
```

```
nu exercises/exercise-1.nu
```

To pipe in data from Bash:

```
cat somefile.txt | exercises/exercise-2.nu
```

```
cat somefile.txt | nu exercises/exercise-2.nu
```

Piping within NuShell:

```
open somefile.txt | exercises/exercise-2.nu
```