

Run your  in 



## Who am I

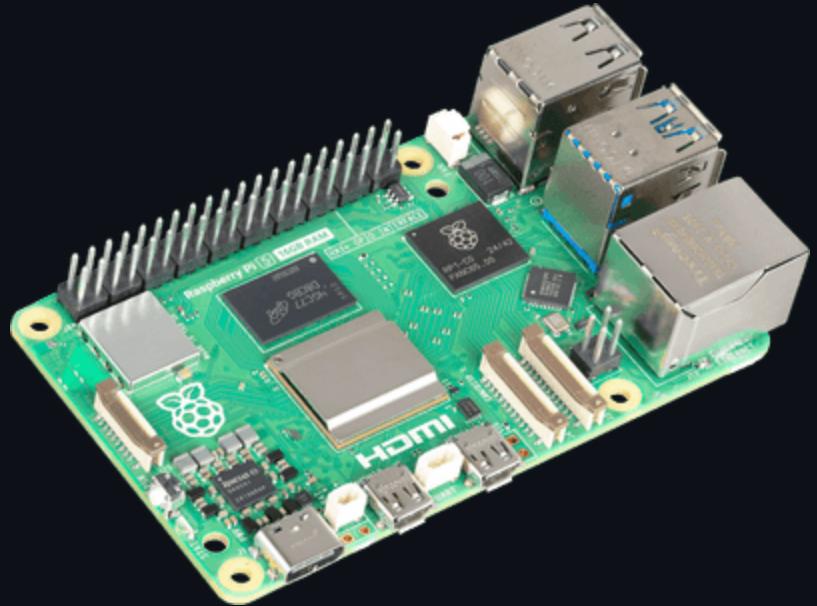
- Nadia Santalla Fdez. (she/her 🏳️)
- 🌐 <https://nadia.moe>
- ✉️ <mailto:nadia@nadia.moe>
- Senior software engineer @ Grafana
- I read books and collect machine tools
- ❤️ All things infrastructure



# 🕒 Agenda

1. 🧑 Why?
2. 🤔 How?
3. 🚀 Future?

# Why should I do this?



<https://www.raspberrypi.com/products/raspberry-pi-5/>

# Why should I do this?



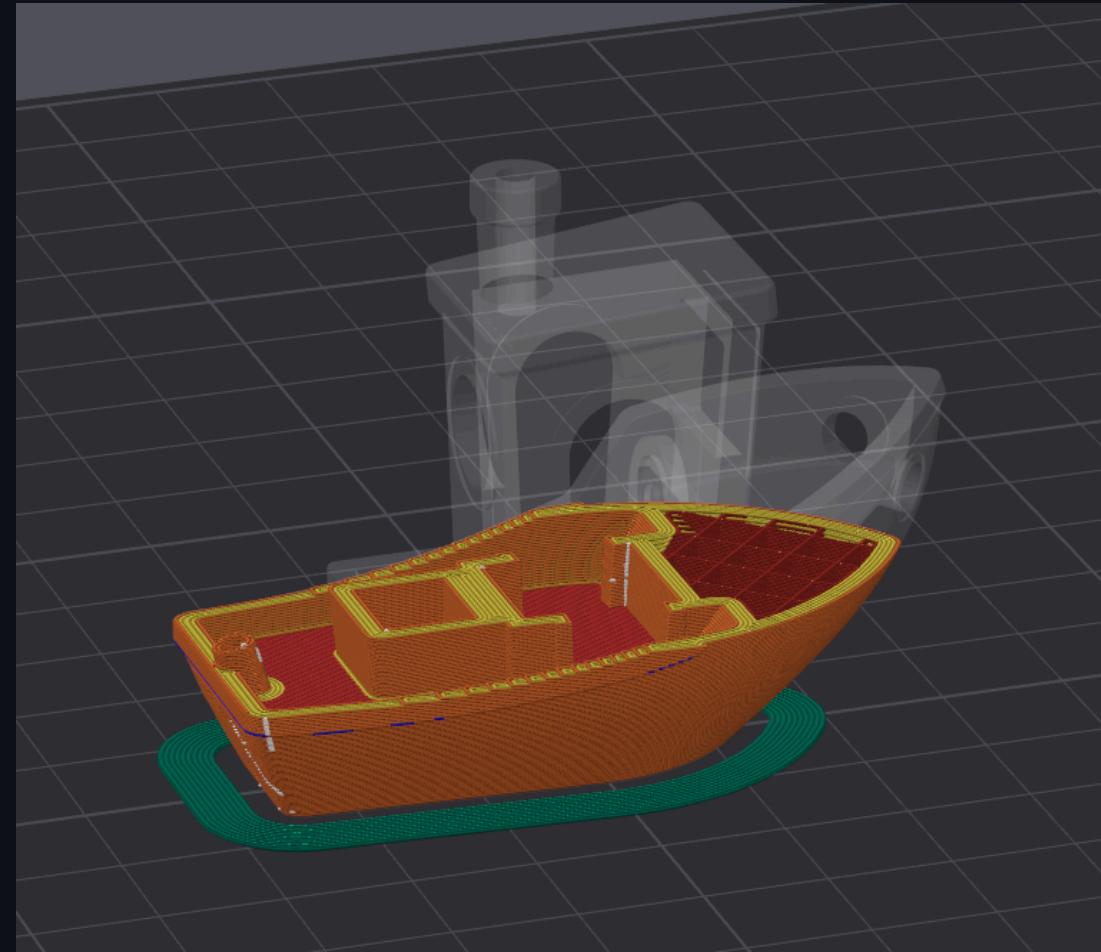
<https://www.raspberrypi.com/products/raspberry-pi-5/>



# Why should I do this?

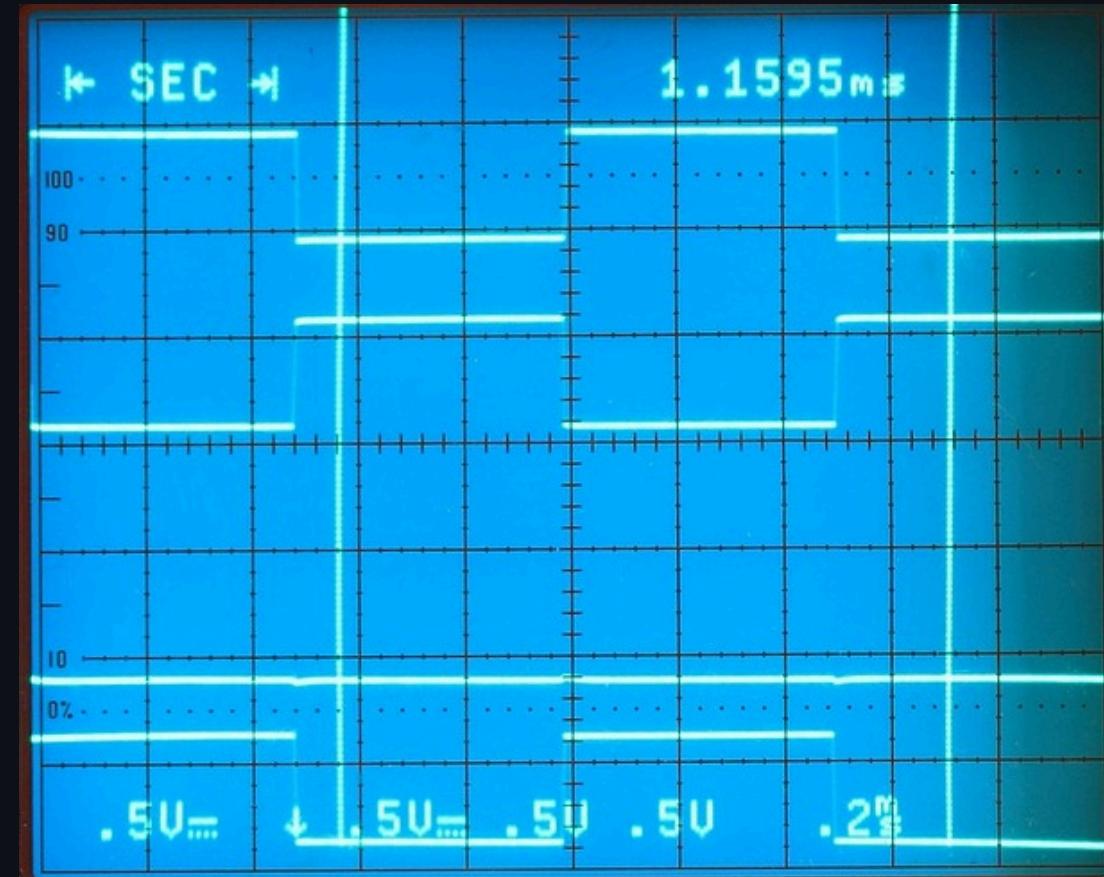
	Kubernetes	Pi in drawer
HTTP Server	✓ Your ingress controller	✗ Config copied from a forum
OS	✓ What your other nodes use	✗ Debian with special settings
Backups	✓ Backup controller	✗ SD image made 2 years ago
Versioning	✓ Git	✗ <code>printer.cfg.old.working</code>
Rollout	✓ Automatic	✗ <code>scp ... &amp;&amp; reboot</code>
Upgrades	✓ Safe, reversible	✗ Pray, reimagine, lose tweaks

# How do ↘ work?



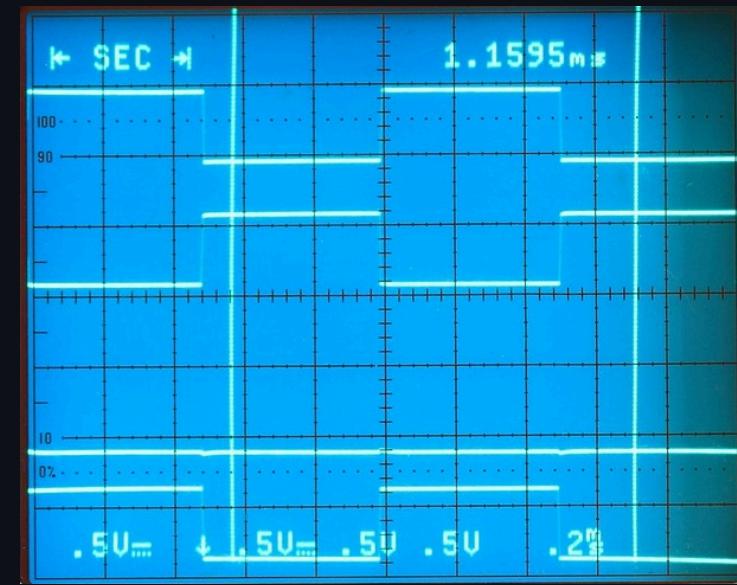
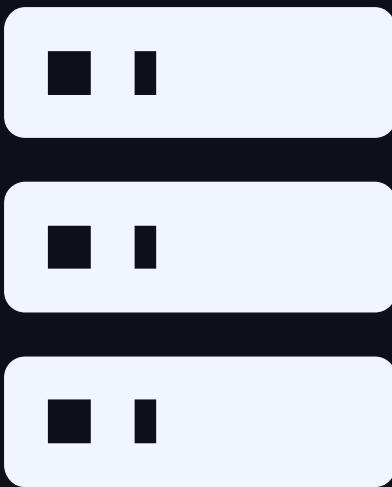
# How do ⚡ work?

```
G1 X147.503 Y150.818 E.02199  
G1 X147.241 Y150.717 E.01223  
G1 X146.741 Y150.65 E.02193  
G1 X146.272 Y150.734 E.02069  
G1 X146.325 Y150.316 E.01832  
G1 X146.32 Y149.619 E.03029  
G1 X146.254 Y149.025 E.02602  
G1 X146.118 Y148.48 E.02437  
G1 X145.929 Y147.972 E.02357  
G1 X145.625 Y147.474 E.02535  
G1 X145.284 Y147.094 E.02221  
G1 X144.845 Y146.763 E.02391  
G1 X144.373 Y146.547 E.02256  
G1 X143.846 Y146.415 E.02363  
G1 X143.34 Y146.352 E.02213  
G1 X141.749 Y146.316 E.0692  
G1 X141.313 Y146.362 E.01903
```

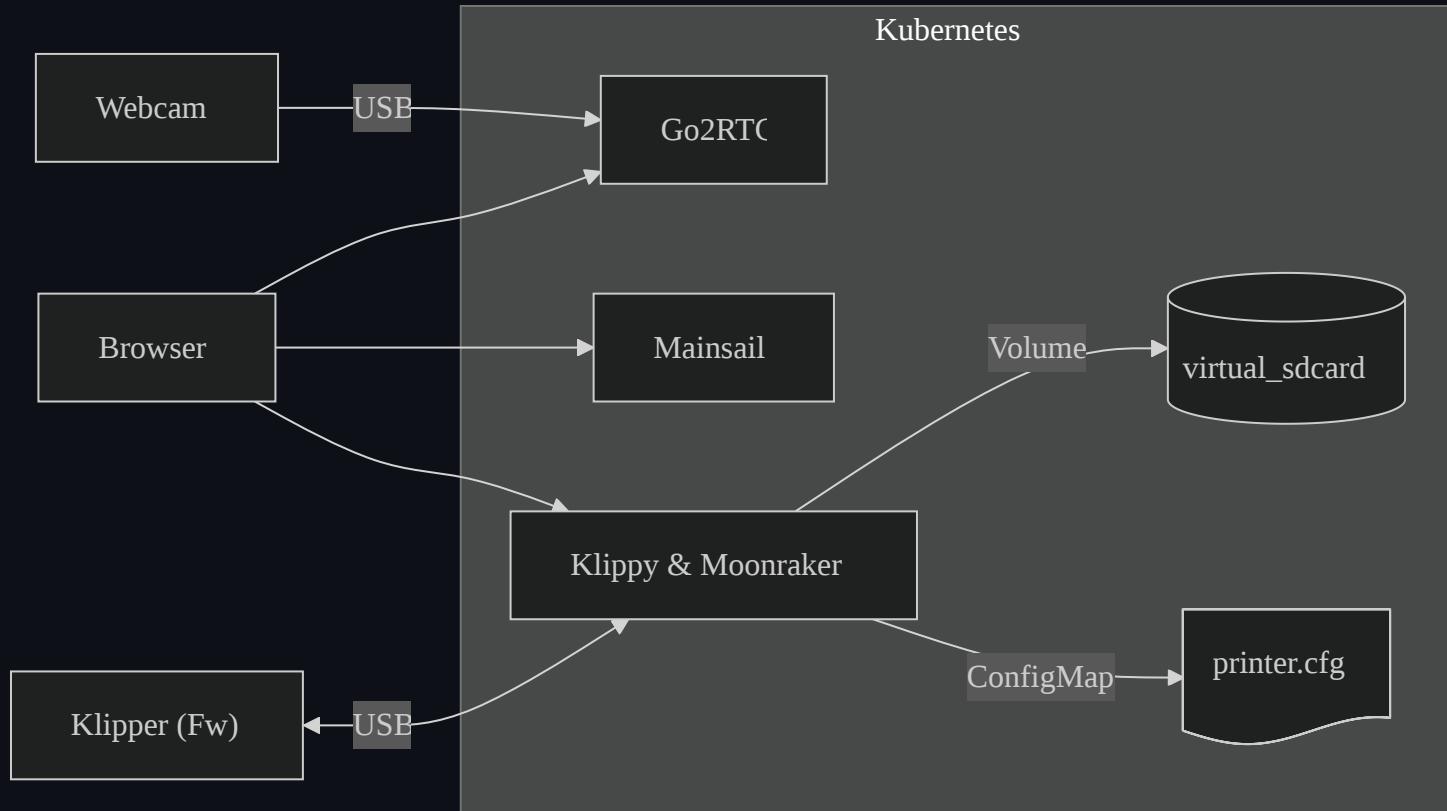


# How do ↴ work? (Klipper version)

```
G1 X147.503 Y150.818 E.02199  
G1 X147.241 Y150.717 E.01223  
G1 X146.741 Y150.65 E.02193  
G1 X146.272 Y150.734 E.02069  
G1 X146.325 Y150.316 E.01832  
G1 X146.32 Y149.619 E.03029  
G1 X146.254 Y149.025 E.02602  
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G1 X143.846 Y146.415 E.02363  
G1 X143.34 Y146.352 E.02213  
G1 X141.749 Y146.316 E.0692  
G1 X141.313 Y146.362 E.01903
```



# How does this work?



# How can I try it?

 **nadiamoe/kubeklipper**

(Powered by:  **mkuf/prind**)

# The future

- Print status as Printer CR
- Avoid interrupting prints
- First-class multi-printer support
- Provisioned O11y (⌚, 🔥)
- Firmware flashing? (Bold)
- Web slicer? (Dreaming)

## Get in touch

<mailto:nadia@nadia.moe>



# Thank you! ❤

 [nadiamoe/kubeklipper](https://github.com/nadiamoe/kubeklipper)

 [mkuf/prind](https://github.com/mkuf/prind)

 [nadia@nadia.moe](mailto:nadia@nadia.moe)