

17 MAY 2022

# What Made Your Container Fat?

Visualizing the Size  
of Container Layers

who -u

Dan Čermák



🐉 Software Developer @SUSE

📀 i3 SIG, Package maintainer

♡ Developer tools, Testing and Documentation, Home Automation

🌐 [dancermak.name](https://dancermak.name)

🐙 [D4N](https://github.com/D4N) / [dcermak](https://github.com/dcermak)

📧 [@Defolos@mastodon.social](mailto:@Defolos@mastodon.social)

🐦 [@DefolosDC](https://twitter.com/DefolosDC)

# What problem is this solving?

- My container is too big, but where?
- One of my layers got huge, but which one?
- dive is cool, but I want prettier graphs
- What is the difference between two layers?

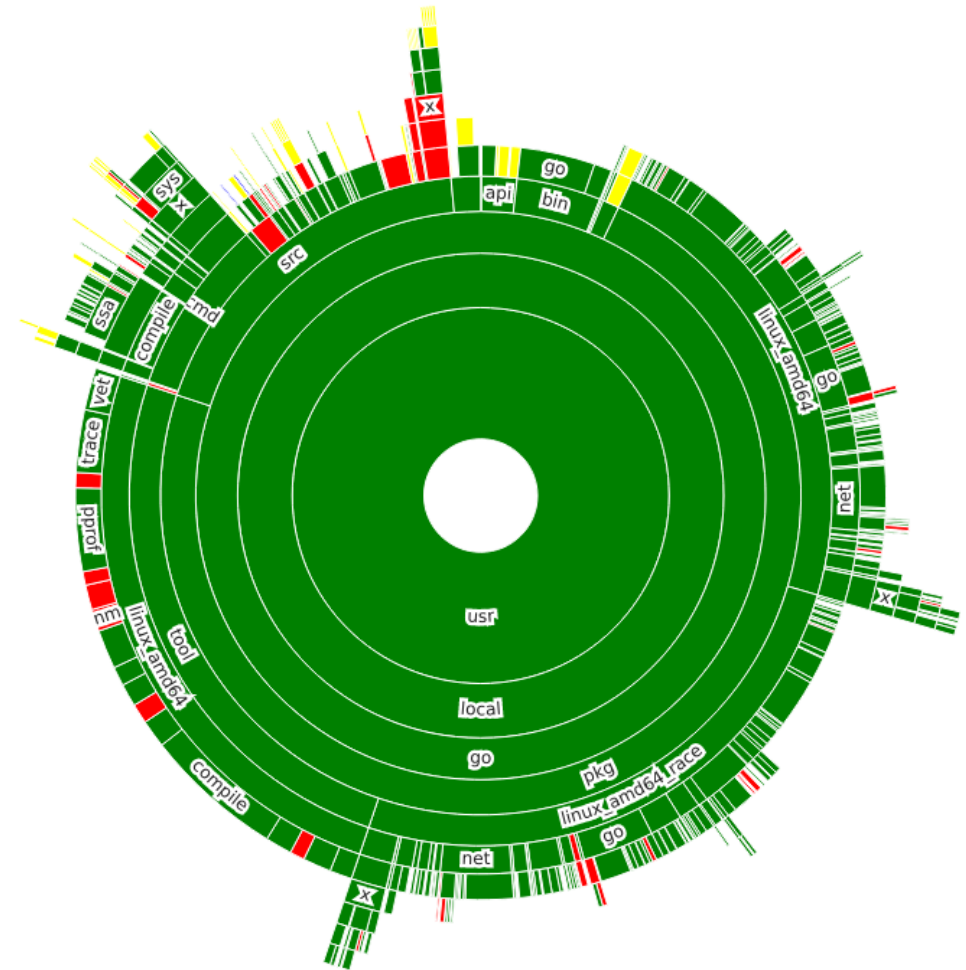
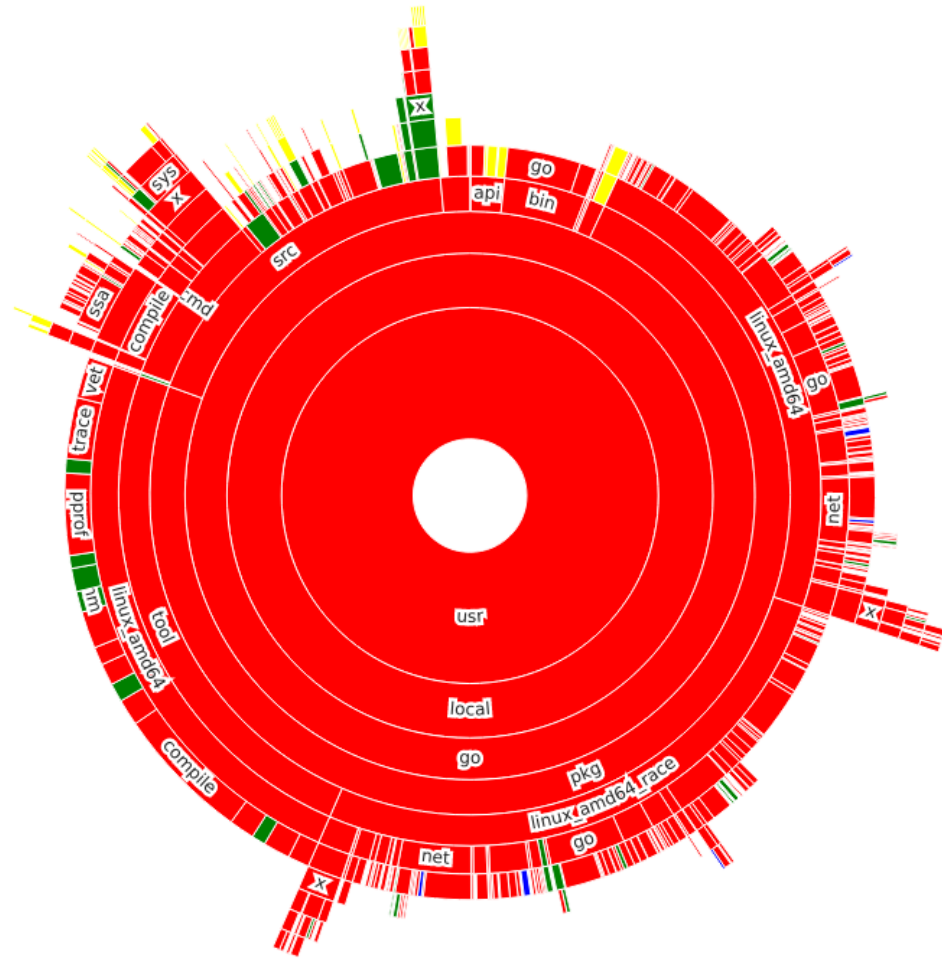
# Sunburst Graphs!

# Demo!

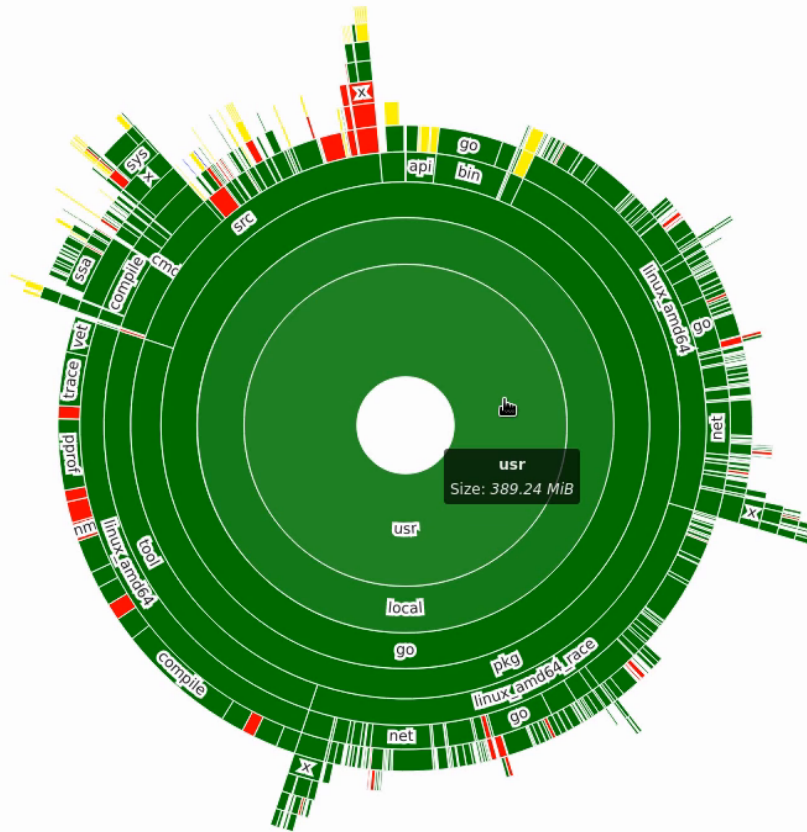
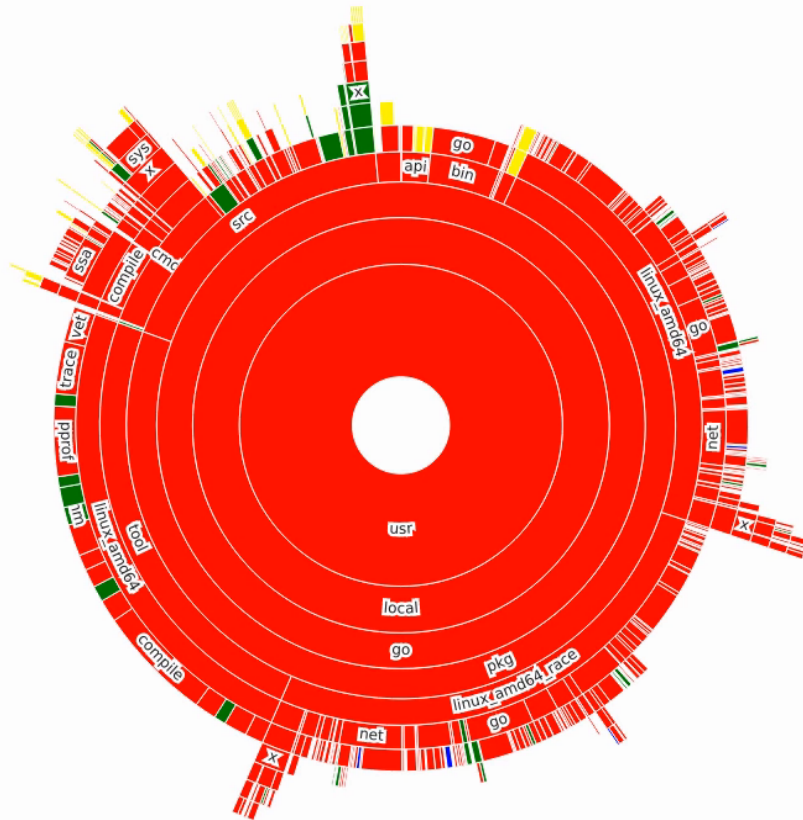
[Home](#) [History](#)

Image Source: Container registry ▾ Image to analyze:  Retrieve available platforms

# Image Comparison



# Demo!



# Features

- Analyze images from arbitrary registries or from archives
- Analyze foreign architecture images
- Store images for later comparison
- Rootless by default
- Runs as a (containerized) webapp:
  - `docker run -d --rm -p 5050:5050 ghcr.io/dcermak/container-layer-sizes:latest`
  - `docker run -d -p 4040:4040 ghcr.io/dcermak/container-layer-sizes-backend:latest`



# Give it a try yourself!

 [dcermak/container-layer-sizes](https://github.com/dcermak/container-layer-sizes)





# Thank you

For more information, contact SUSE at:

+1 800 796 3700 (U.S./Canada)

Maxfeldstrasse 5

90409 Nuremberg

[www.suse.com](http://www.suse.com)

© 2022 SUSE LLC. All Rights Reserved. SUSE and the SUSE logo are registered trademarks of SUSE LLC in the United States and other countries. All third-party trademarks are the property of their respective owners.