



Mon setup DevContainer

Un poste de Développement, Reproductible et Flexible



Qui suis-je ?



• **Nicolas Focqueu**

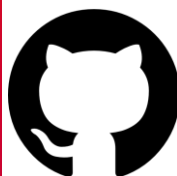
- Tech Lead
- Sopra Steria



<https://github.com/ikkinico>



https://x.com/ikki_nico



<https://github.com/ikkinico/DevContainers>

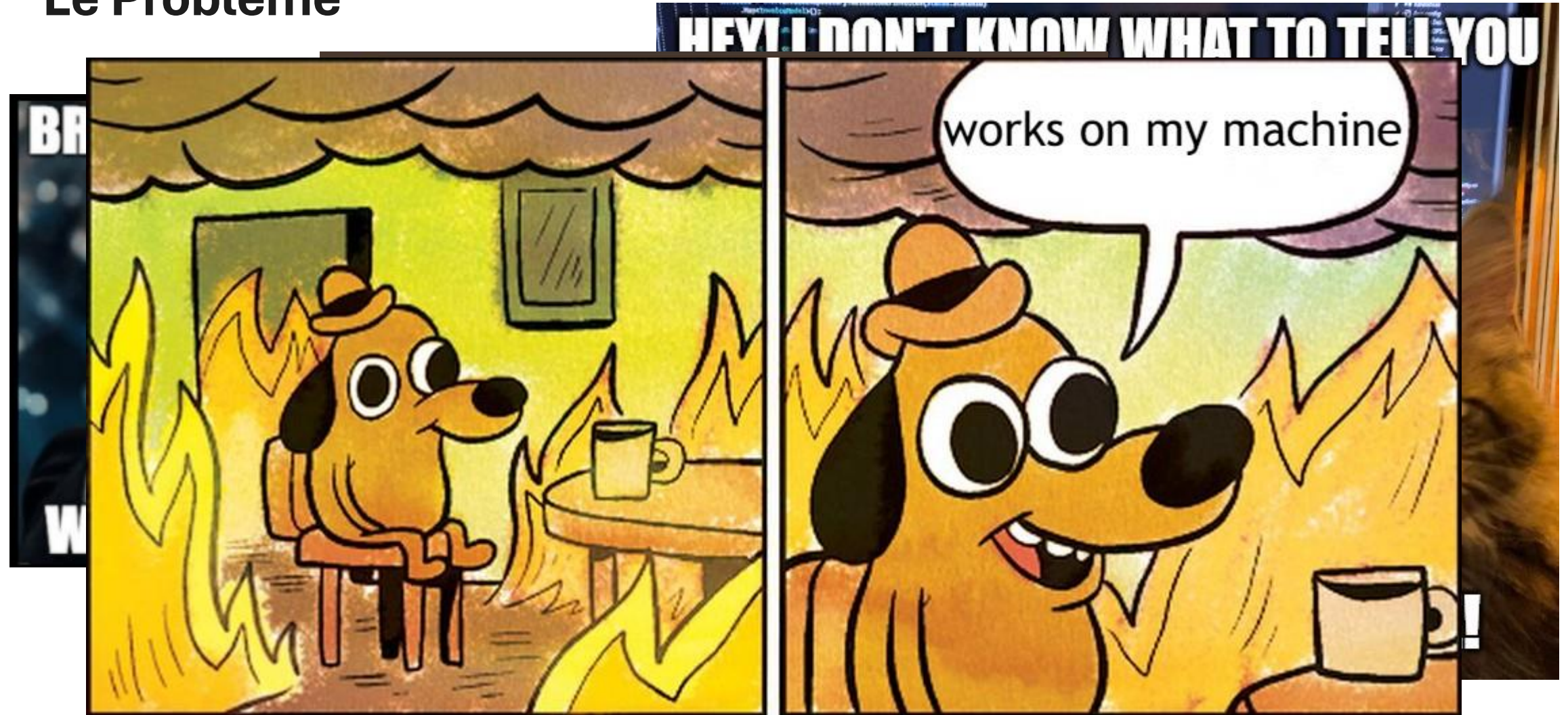


DevContainers

Mais de quoi on parle ?



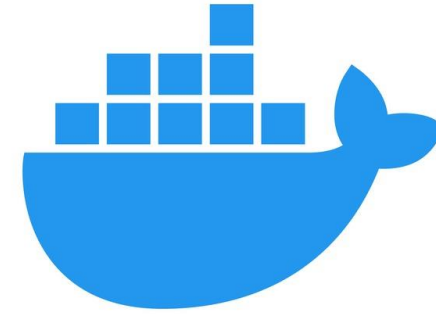
Le Problème



L'Objectif & Les Technos



- Reproductibilité
- Simplification
- Portabilité
- Isolation



L'Util

```
devcontainer <command>
```

Commands:

<code>devcontainer up</code>	Create and run dev container
<code>devcontainer build [path]</code>	Build a dev container image
<code>devcontainer run-user-commands</code>	Run user commands
<code>devcontainer read-configuration</code>	Read configuration
<code>devcontainer features</code>	Features commands
<code>devcontainer templates</code>	Templates commands
<code>devcontainer exec <cmd> [args..]</code>	Execute a command on a running dev container

Options:

<code>--help</code>	Show help	[boolean]
<code>--version</code>	Show version number	[boolean]

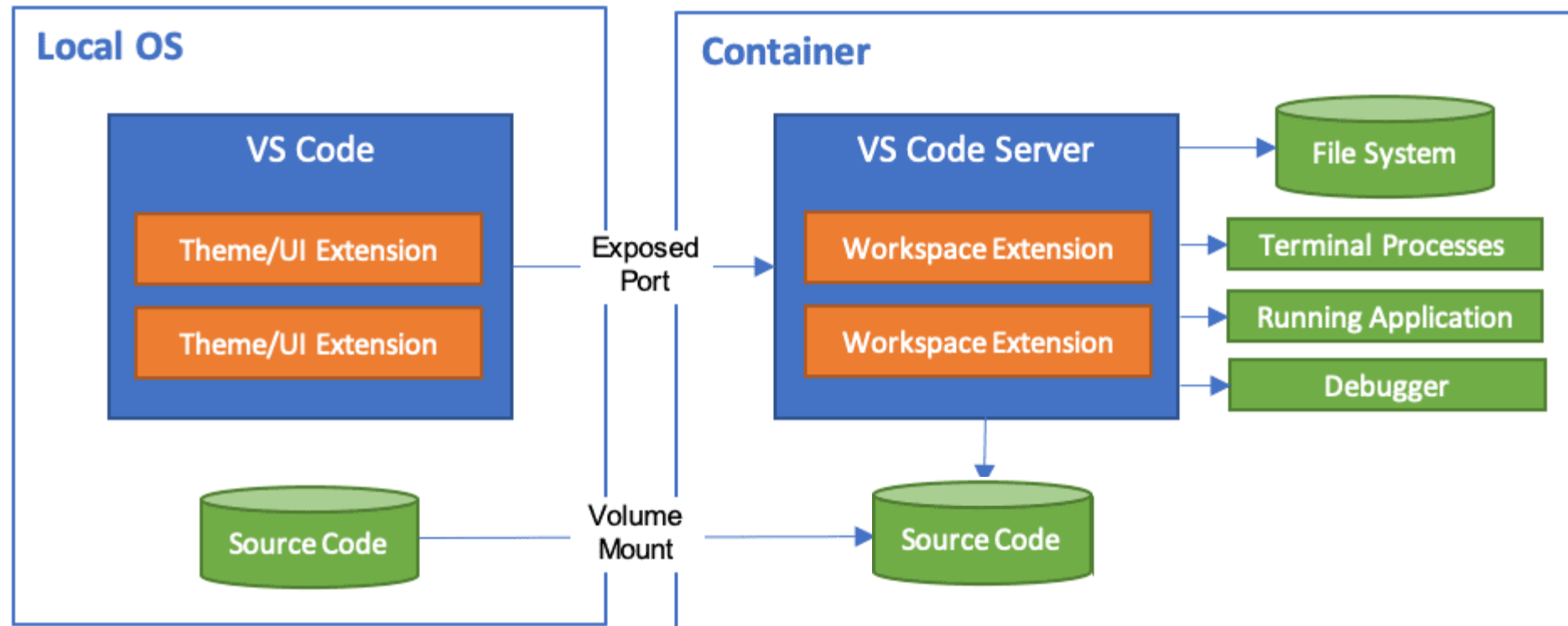
Démo



2



Résultat Final



Dans le cloud
ça donne quoi ?

3



Github codespaces

The screenshot displays the Visual Studio Code interface with the 'REMOTE EXPLORER' sidebar on the left. The 'GITHUB CODESPACES' section is expanded, showing a repository named 'hubwriter' with a 'main' branch. A red box highlights the 'Codespaces' icon in the sidebar. The 'GitHub Codespaces' dropdown menu is open, showing options like 'SSH', 'JetBrains Space', and 'Connect with a Link'. The 'JetBrains Gateway' window is also visible, showing the 'Run the IDE Remotely' section with a 'Connect to Codespaces' button highlighted by a red box. The 'LICENSE' and 'README.md' files are visible in the file explorer.

features Public

Watch 3

REMOTE EXPLORER

GitHub Codespaces

GITHUB CODESPACES

hubwriter

hubwriter/branchlistener glorious barnacle • main

github

bookish-potato

Codespaces

SSH

JetBrains Space

GitHub Codespaces

Connect with a Link

Run the IDE Remotely

SSH Connection

New Connection More

JetBrains Space

Connect to Space More

GitHub Codespaces

Connect to Codespaces More

Install More Providers

Learn more about codespaces...

Initial commit

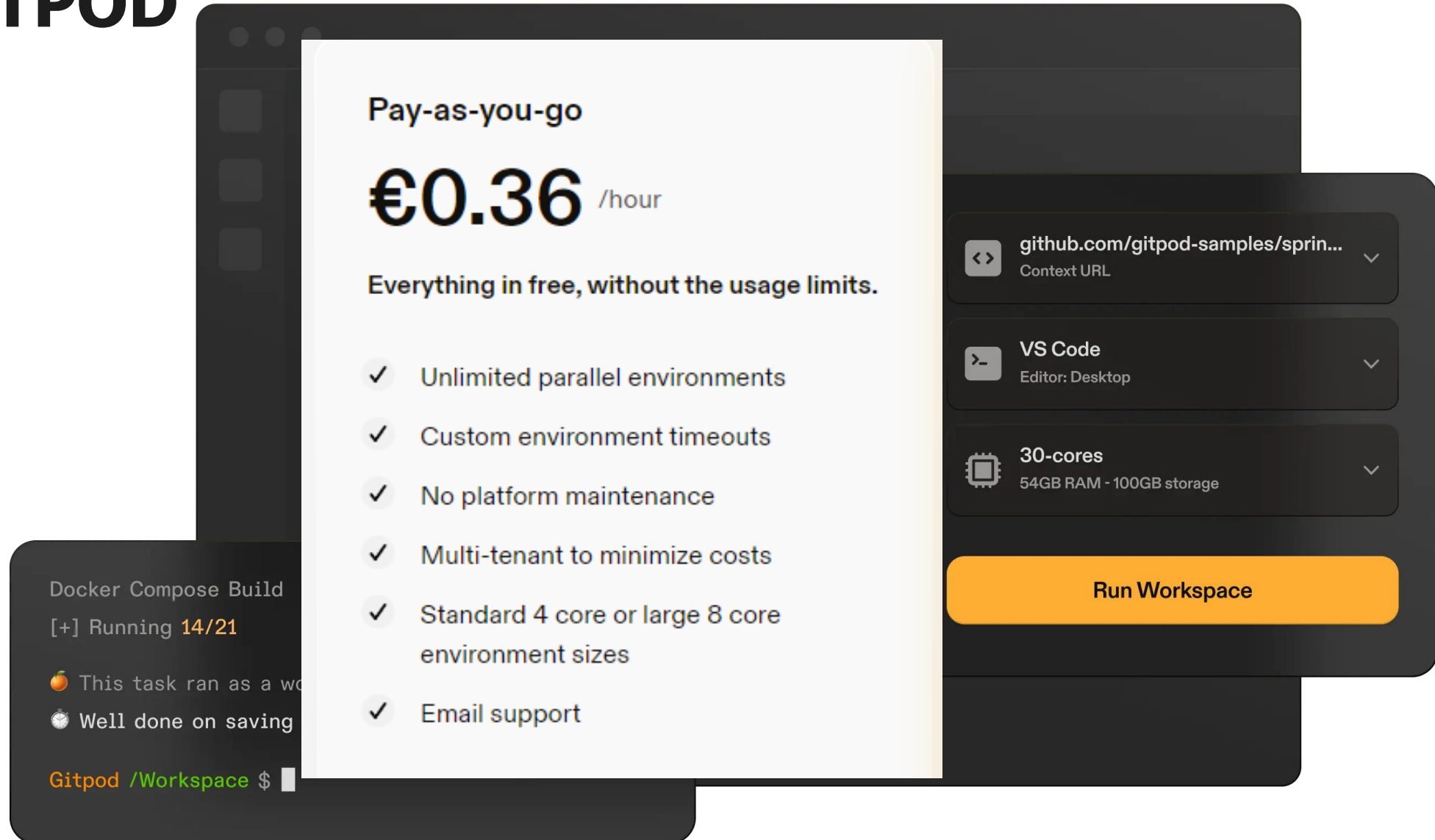
Update README.md

Codespace usage for this repository is paid for by ikkinico.

Github codespaces

2 cores	\$0.18 USD /hour	60 hours /month free for individuals
4 cores	\$0.36 USD /hour	30 hours /month free for individuals
8 cores	\$0.72 USD /hour	15 hours /month free for individuals
16+ cores	See pricing docs	N/A
Storage	\$0.07 USD /GB per month	15 GB /month free for individuals
As an individual, you can try GitHub Codespaces for free up to 60 hours and 15GB storage per month. Decide how many cores you need and go. Your free hours and storage automatically reset each month.		

GITPOD



The image shows a Gitpod pricing and configuration interface. A central white box displays the 'Pay-as-you-go' pricing at €0.36/hour, with a list of features including unlimited parallel environments, custom timeouts, no platform maintenance, multi-tenant architecture, standard or large environment sizes, and email support. To the right, a dark sidebar shows configuration options for the context URL (github.com/gitpod-samples/sprin...), the editor (VS Code), and the hardware configuration (30-cores, 54GB RAM, 100GB storage), followed by a 'Run Workspace' button. On the left, a terminal window shows a Docker Compose build log with a success message and a prompt to run a workspace.

Pay-as-you-go

€0.36 /hour

Everything in free, without the usage limits.

- ✓ Unlimited parallel environments
- ✓ Custom environment timeouts
- ✓ No platform maintenance
- ✓ Multi-tenant to minimize costs
- ✓ Standard 4 core or large 8 core environment sizes
- ✓ Email support

github.com/gitpod-samples/sprin...
Context URL

VS Code
Editor: Desktop

30-cores
54GB RAM - 100GB storage

Run Workspace

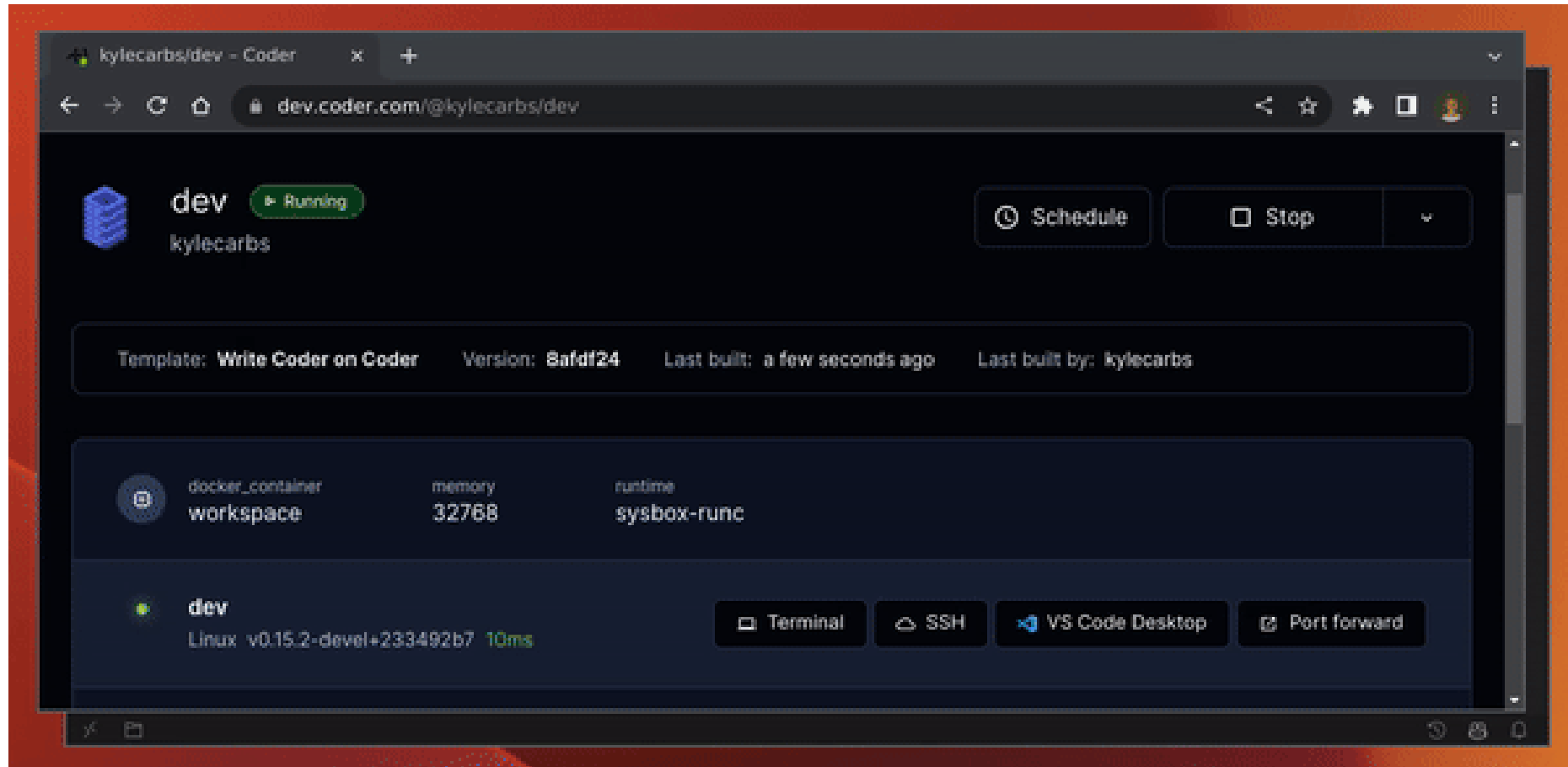
Docker Compose Build
[+] Running 14/21

🍊 This task ran as a workspace

🕒 Well done on saving

Gitpod /Workspace \$

Coder



Coder

The screenshot displays the Coder web interface. The top navigation bar includes links for Workspaces, Templates, Users, Audit, Deployment, and Health. A user profile icon is visible in the top right corner. The main content area shows a workspace named 'dev' with a status of 'Running'. Below this, a table displays system metrics for the workspace:

CPU Usage	RAM Usage	CPU Usage (Host)	RAM Usage (Host)	Swap Usage (Host)	Load Average (Host)	Disk Usage (Host)
0.226 cores	29/32 GiB (91%)	2.99/64 cores (5%)	88.9/251 GiB (35%)	4.9/8.0 GiB	0.06	2127/3050 GiB (70%)

Below the metrics, the 'Word of the Day' is displayed as 'Scurrilous'. The bottom section of the interface shows a list of workspaces, including 'Exception Espresso', 'Swift Lab', 'Goroutine Spill Zone', and 'Ctrl+Alt Complete'.



Q&A