Engineer

Server-01 after the upgrade

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`server-01` is our DigitalOcean server in Toronto. It now runs on the Basic plan with **1 vCPU, 1 GB of RAM and 25 GB of disk space**. Before the upgrade, it had one core, 512 MB of RAM, of which about 464 MB was usable, and 10 GB of disk space.

Apply the engineering to your system

The engineering behind “Server-01 after the upgrade” can inform your next change. We can investigate similar behaviour in your software, data or infrastructure. Servers sized for what you actually use, moved into the cloud or back out of it, with the monthly bill worked out first.

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Follow the reasoning and its limits

Read the reasoning and its limits in this note. We can test whether the same diagnosis holds in your environment. Ran 20 Docker apps on Google Cloud and AWS — 20 containerised applications deployed and watched

Ran 20 Docker apps on Google Cloud and AWS Get in touch →

What the server runs

The server runs Debian. Caddy serves the company site and its focused sites over HTTPS. The main site’s published files are also available over Gemini, Gopher and Tor. Soft Serve hosts our Git repositories. Ansible describes the setup as code so we can rebuild it. The Credits list the software and explain how the public services fit together.

Why the old numbers still matter

The 512 MB case study records what the earlier setup ran and how usable memory shaped those decisions. In one day of samples, memory available for work never fell below about 310 MB. That measurement belongs to the earlier

configuration. The upgrade gives us more RAM and disk space while retaining one vCPU. To compare the two configurations under load, we would need fresh measurements under comparable conditions. Keeping the provider's allocation, usable memory and measured headroom distinct makes the record useful for the next capacity decision.

All blog posts

Measure before you change

Bring the deployment path, the operational risks and the people on call. We can scope a change with checks, a recovery route and clear ownership.

See what it costs Get in touch →

Discuss your observations

Discuss "Server-01 after the upgrade" in the context of your own project. Tell us what you observed and what a useful result would look like.

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