

# Server hosting

*This is a work in progress*

Slrpnk.net is hosted by F-hub.org, a volunteer driven and non-commercial effort to host federated community services in a resource efficient and ethical way. F-hub.org grew out of a community of open-source game developers (freegamedev.net) that has existed since the early 2000s.

All the servers are operated and maintained (as a hobby) by one of the founding members and are currently located on the Azores in Portugal. Connectivity is provided through a dedicated high-speed fibreglass connection.

## Hardware

The F-hub.org servers are based on second-hand consumer PC and data-centre hardware, but optimized for low energy consumption. Battery backup power is provided and data is stored with triple redundancy (off-site backups are still a work in progress). Electricity is provided by a local solar-panel array, but with a backup from the utility grid (about 60% green-energy, mostly from a nearby geothermal power-plant and wind power).

Slrpnk.net itself currently runs on an older Intel CPU server with 4 cores, 32GB RAM and NVMe SSD storage in raid configuration. Image uploads are stored on a SATA SSD raid array. All data is snapshotted daily and transferred for backup to HDD raid array on daily basis.

## External services

Given how difficult it is to have outgoing email accepted by the large email providers, all emails are currently routed through an external SMTP server hosted by OVH in France (same as the domain registration and DNS routing).

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