

The Ghost Protocol: Using Self Hosted Infrastructure to Operate in Hostile Environments

- **Speaker:** Justin Campbell
- **Room:** CC 235
- **Time:** Sat 4:00 pm – 4:30 pm
- **Format:** Lecture (30 Min + Q&A)
- **Difficulty:** Introductory / Some experience required
- **Track:** Security / Privacy
- **Additional Tags:** Self-Hosting
- **Presenter Location:** In-person
- **Experience:** first time speaking
- **At:** at lfnw

Description:

Traveling with devices while working in cybersecurity means navigating border crossings, airport inspections, and untrusted environments — all while keeping data secure and downtime minimal. In this talk, Justin demonstrates the **self-hosted infrastructure** he relies on to operate safely in hostile or unpredictable conditions.

Attendees will see how tools like **Nebula**, **ZFS**, **BitTorrent**, and lightweight automations work together to ensure:

- A secure and resilient personal network
- Data integrity even under stress or device loss
- Privacy preservation with minimal disruption
- Reliable access to critical services while traveling

This session offers practical insight into building a portable, self-hosted security stack that provides peace of mind no matter where you are in the world.

Target Audience:

- Security-minded travelers
- Self-hosting enthusiasts
- Anyone needing resilient personal infrastructure

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