Currently under construction. A lot of data is still missing.

How I hosted this Documentation Site

□□ Project Documentation: Documentation Site Hosting Deployment

1. Resource Provisioning & Environment

- **Host Hypervisor:** FALKE01
- **Virtual Machine OS:** Ubuntu Server VM
- **Resource Allocation:** Shared environment supporting multiple containerized websites.
- **CPU:** 4 Cores
- **RAM:** 8 GB
- **Storage:** 120 GB
- **Internal Networking:** `192.168.0.200`

2. Web Stack & Multi-Site Management

Because this VM hosts multiple applications seamlessly, traffic and isolation are managed under the hood as follows:

- **Architecture:** Containerized applications isolated from one another on a shared host.
- **Application / Container Name:** `documentation-wiki-app`
- **Application Type:** Standalone Wiki / Documentation Platform
- **Classification: Internal Documentation Site**
- **Access Control:** The site is accessible online via the public domain; however, strict user login/authentication is required to view, read, or modify any documentation, keeping its contents fully private to the company.
- **Source Repository:** https://git.mhipcor.com/milestones
- **Web Server / Reverse Proxy:** Managed automatically via an internal reverse proxy that handles routing to specific containers based on the incoming domain name.
- **SSL/TLS Security:** Automated Let's Encrypt certificates, automatically provisioned and renewed for `book.mhipcor.com`.

3. Network & WAN Configuration

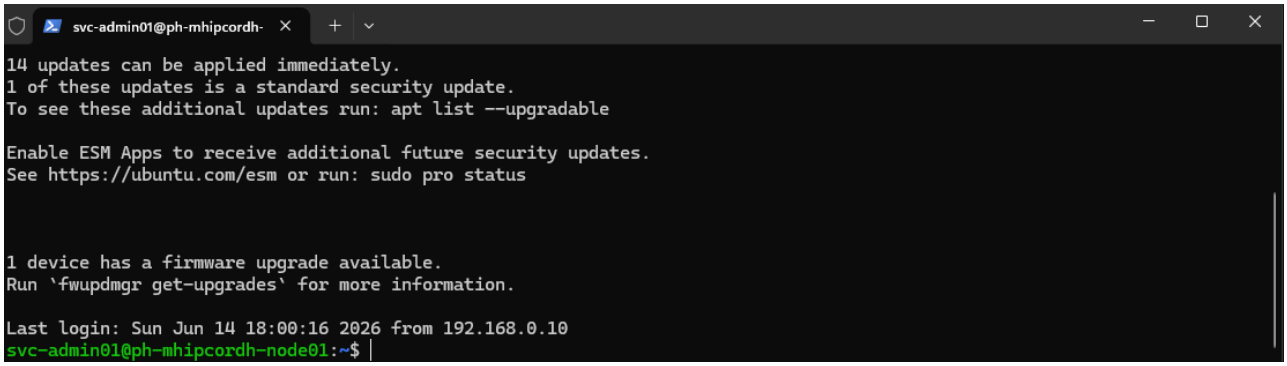
- **Public Routing:** External traffic hits our on-site public **Static IP**.

- **Port Forwarding:** Ports 80 (HTTP) and 443 (HTTPS) are forwarded from the edge firewall to this Ubuntu VM's internal local IP temporary (`192.168.0.200`).

  DNS Settings (Hostinger):

- **Subdomain:** `book.mhipcor.com`

- **Record Type: A Record** pointing directly to our on-site public Static IP.



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