

SecureEdge Inc. – Internal Documentation Portal (Nginx) MVP Report

1. Overview

The SecureEdge Internal Documentation Portal is designed to centralize internal resources, technical documentation, and operational guides for MSSP teams.

It is deployed on an internal Nginx web server and serves as a secure, lightweight platform accessible only within the company network.

2. Objective

To implement a minimal, functional prototype (MVP) of the documentation portal that:

- Hosts internal documentation in HTML format.
- Runs on Nginx for high performance and simplicity.
- Serves as a foundation for future integration with Active Directory authentication.

3. System Architecture

Components:

- **Web Server:** Nginx 1.26.x (Windows or Linux compatible).
- **Frontend:** Static HTML/CSS (index.html provided).
- **Hosting Path:** /var/www/docs.secureedge.local/html (Linux) or C:\nginx\html (Windows).
- **Access Method:** HTTP on port 80.

Network Context:

- Internal-only access (LAN/VPN).
- Optional DNS entry: docs.secureedge.local.
- Future version planned for HTTPS (TLS/SSL).

4. Implementation Steps

1. Environment Setup

- Install or verify Nginx.
- Create required directory structure for hosting.

2. Deployment

- Place `index.html` in the Nginx root directory.
- Configure `nginx.conf` with static file serving.
- Verify access through local domain resolution.

3. Testing

- Confirm Nginx service status.
- Validate page rendering on `http://docs.secureedge.local`.
- Check browser accessibility and log activity.

5. Results

- Successfully deployed internal documentation portal.
- Verified operational on Windows Server and Ubuntu environments.
- Clean, responsive user interface built with static HTML/CSS.
- Ready for expansion (authentication, Markdown parser, or Git integration).

6. Future Enhancements

- Implement Active Directory (Kerberos) authentication for internal access control.
- Integrate Markdown-to-HTML conversion for dynamic documentation updates.
- Add SSL/TLS encryption using internal CA.
- Automate deployment with Ansible or PowerShell scripts.

7. Conclusion

The MVP successfully demonstrates a functional internal documentation system using Nginx as the core web service.

It provides a stable base for future scalability, security, and enterprise integration.