

Infrastructure Steward Runbook

Purpose

This runbook documents the setup, hardening, and verification of a Linux utility server used for internal DNS and secure SSH access. The goal is operational reliability, security, and clear documentation.

Environment

- 1 OS: Ubuntu Server 22.04 LTS
- 2 Role: DNS Server (BIND9) + SSH Jump Box
- 3 Network: Internal / Host-only (192.168.56.0/24)
- 4 Admin Access: SSH key-based authentication

Security Controls Implemented

- 1 UFW firewall with default deny inbound policy
- 2 Fail2Ban enabled for SSH brute-force protection
- 3 Root SSH login disabled
- 4 Minimal services installed

Verification Steps

- 1 dig queries from client machine to validate DNS
- 2 ssh connectivity tested via jump box
- 3 ufw status verified
- 4 fail2ban-client status sshd confirmed

Operational Notes

System snapshot taken after stable configuration. All configurations are sanitized and suitable for portfolio demonstration.