TICKET – Permanent NFS Mount Configuration

Overview

This project documents the permanent mounting of multiple NFS shares on a development application server. The objective was to ensure shared directories remain consistently available across reboots for application data, user homes, and scripts.

Scope

Target Server: dev-app

NFS Server: 10.1.30.148

Mount Type: Persistent (system reboot safe)

NFS Mounts

/nfs/share/vhosts → /nfs/incoming/vhosts

/nfs/share/home → /nfs/incoming/home

/nfs/share/scripts → /nfs/incoming/scripts

Implementation

Verified NFS exports and network connectivity.

Created required mount directories on the dev-app server.

Mounted each NFS share and validated accessibility.

Updated /etc/fstab to ensure mounts persist after reboot.

Confirmed correct permissions and ownership where applicable.

Verification

Verified mounts with mount and df -h.

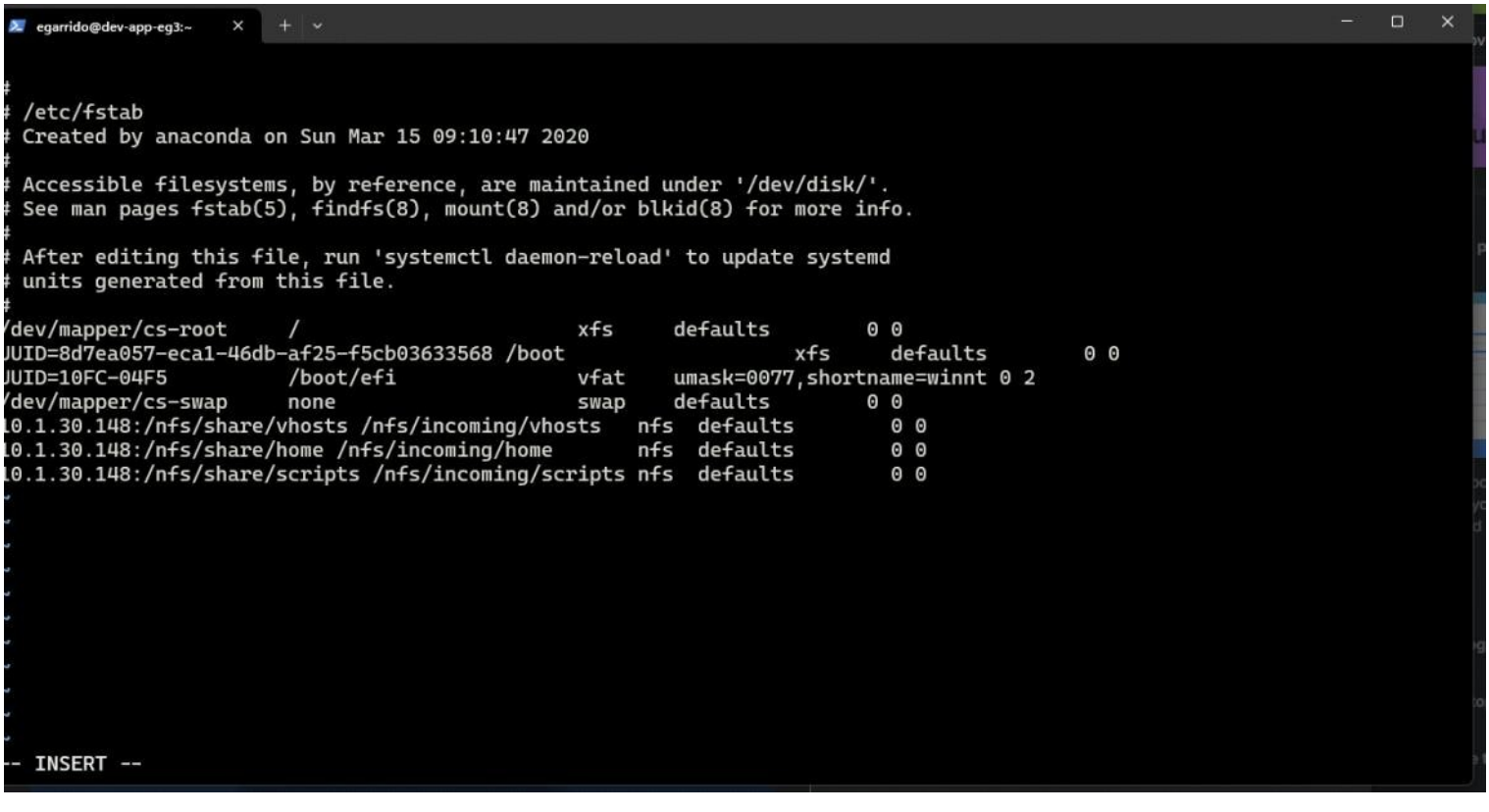
Confirmed persistence by validating /etc/fstab entries.

Ensured directories were accessible and writable as expected.

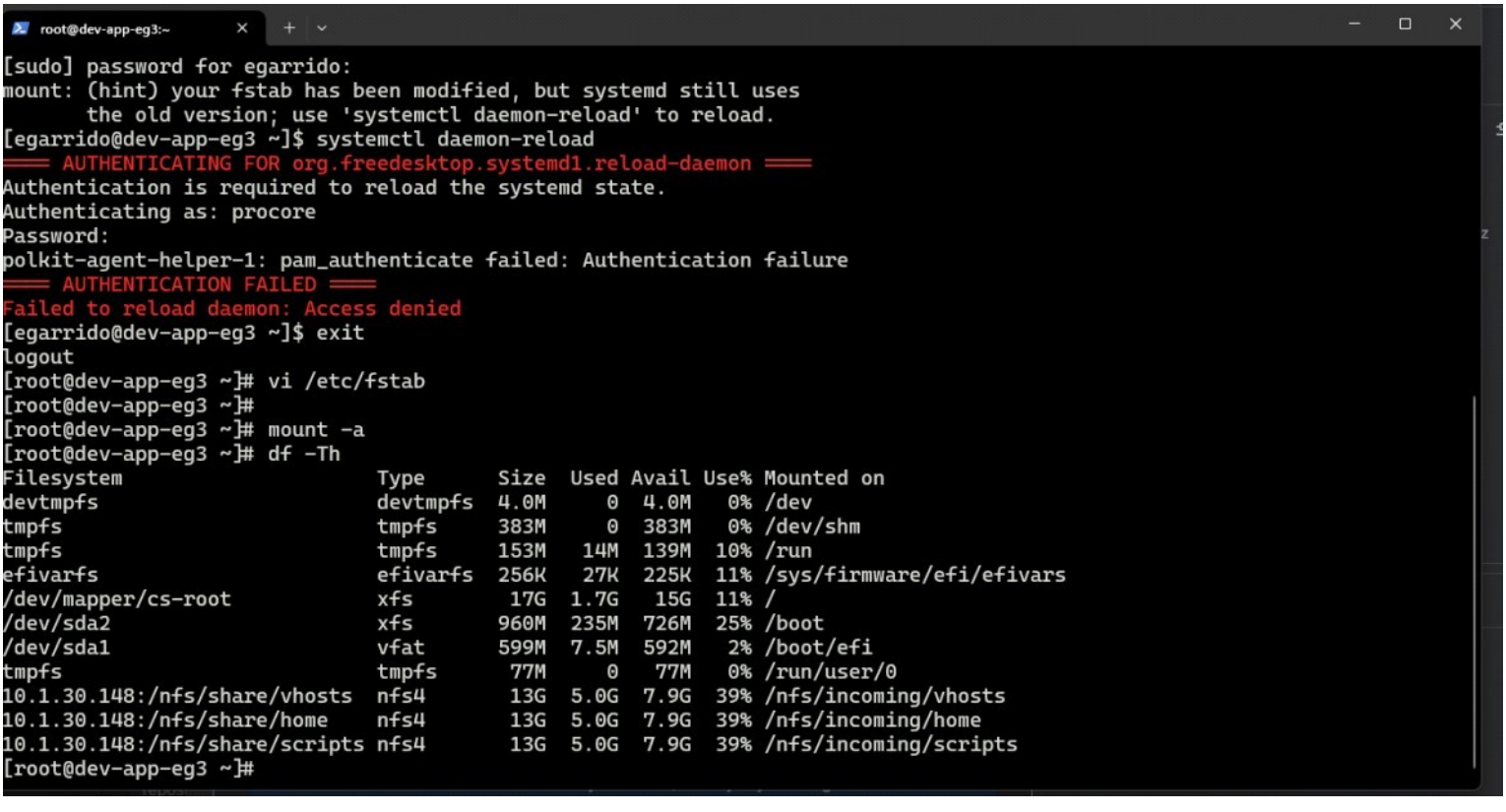
Outcome

All required NFS shares are mounted permanently and available on the dev-app server, providing reliable shared storage for application content, user home directories, and scripts.

Configured persistent NFS mounts on the dev-app server by updating /etc/fstab to mount NFS shares (home, vhosts, and scripts) from the NFS server to /nfs/incoming. Configuration ensures NFS mounts persist across system reboots.



Updated /etc/fstab on the dev-app server to configure persistent NFS mounts for the home, vhosts, and scripts shares. Encountered a systemd reload permission issue when running systemctl daemon-reload as a non-root user, resolved by executing mount verification as root. Successfully mounted all NFS shares using mount -a and verified active mounts with df -Th.



Summary

Updated /etc/fstab to configure persistent NFS mounts on the dev-app server. Reloaded system configuration and successfully mounted all NFS shares using mount -a, then verified active NFSv4 mounts for home, vhosts, and scripts with df -Th