# Enforce-nfs-quota pod restarts on victor

Status: Draft

## Overview

The enforce-nfs-quota container on the victor prod hub encountered a fatal error after attempting to update the global hard-quota.

## What Happened

After a hard-quota change, the enforce-xfs-quota container attempted to reconcile the new quotas with the existing filesystem. When running through each user, the stderr output from the recursive project loop included non UTF-8 byte, which caused a fatal error when decoding for logging purposes.

## Resolution

A patched version of jupyterhub_home_nfs.generate was executed in a debug sidecar, which resolved the filesystem with the intended quotas.

## Where we got lucky

An engineer was already working on other NFS clusters, and was quick to respond

## What Went Well?

The time to author and push an in-place fix was small

## What Didn't Go So Well?

*No comments added*

## Action Items

Deploy the patched version of jupyterhub_home_nfs to all clusters through our deployment infrastructure

### OWNER OF REVIEW PROCESS

Angus

### IMPACT TIME

Oct 17 at 12:40 to Oct 17 at 13:00

### DURATION

19m 23s

*All times listed in this report are in Edinburgh, London.

## Timeline

Oct 17, 2025

12:40 PM

**Triggered through the API.**
**Description: [FIRING:1] storage-quota-home-nfs pod has restarted victor prod (storage-quota-home-nfs-5bc4c777f6-hlk4c same day action needed) (View Message)**
INCIDENT #1569

[FIRING:1] storage-quota-home-nfs pod has restarted victor prod (storage-quota-home-nfs-5bc4c777f6-hlk4c same day action needed)

12:53 PM       Engineer runs enforcement script in debug pod, sees encoding traceback

1:00 PM        Engineer patches jupyterhub_home_nfs and runs the patched version in a debug container

1:02 PM        Engineer confirms that pod is now stable after updating quotas

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**Description: [FIRING:1] storage-quota-home-nfs pod has restarted victor prod (storage-quota-home-nfs-5bc4c777f6-hlk4c same day action needed) (View Message)**

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