

# QoreStor Refcount Script - Quick Reference

---

## TL;DR

This script migrates refcount data between standard and alternate QoreStor layouts, with support for scan-only, dry-run, and live modes. It copies data safely, verifies integrity, and updates /etc/oca/oca.cfg with the correct TGTSSDDIR and PLATFORM\_DS\_REFCNTS\_ON SSD settings.

## Usage

```
script.sh [--dry-run] [--scan-only] [--checksum-verify] [MOUNTPOINT]
```

Options:

- dry-run      Simulate copy/verify and preview config changes.
- scan-only     Scan refcnt sizes only.
- checksum-verify    Stronger verification using checksum.
- MOUNTPOINT     Target mount path for SSD.

## Key Features

- Auto-detects Standard vs Alternate layouts.
- Scans refcnt sizes across repositories.
- Copies data with rsync + progress bar (live) or simulated bar (dry-run).
- Verifies data (optionally with checksums).
- Updates config safely (backup, replace-or-insert TGTSSDDIR, set PLATFORM\_DS\_REFCNTS\_ON SSD=1).
- Controls ocards service: stop before copy, start after config update.
- Logs everything to /var/log/oca\_edit/.

## Workflow

1. Detect repo layout from /etc/oca/oca.cfg.
2. Scan refcnt directories and compute total size.
3. (Dry-run) Simulate rsync, show progress, preview config edits.
4. (Live) Stop service, copy refcnt data, verify (if enabled).
5. Update /etc/oca/oca.cfg safely.
6. Restart service and confirm operational state.
7. Print run summary + log path.