



Linux cannot recognize Korean-named files that are migrated from EMC to NetApp

https://kb.netapp.com/on-prem/ontap/da/NAS/NAS-KBs/Linux_cannot_recognize_Korean%E2%80%91...

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Applies to

- ONTAP 9
- NFSv4
- Data Migration
- Rsync

Issue

- During data migration from EMC Unity300 to NetApp C30 storage using rsync from a Linux server, files with Korean characters in their names that are created on AIX servers are visible on AIX (NFSv3 mount) but are not visible on Linux servers (NFSv4 mount).

- **AIX server:** This is the NFS client in the production environment(EMC Unity300)
 - **Linux server:** This is the data migration server between the EMC Unity300 and the NetApp C30 storage system
- Changing the NetApp volume language from C.UTF-8 to utf8mb4 does not resolve the issue
 - Packet trace logs show NFSv4 OPEN and LOOKUP requests for problematic filenames returning NFS4ERR_INVAL

Example:

```

32943  2026-02-06 09:53:20.173298  0.035004  xxx.xxx.xxx.62  1000  xxx.xxx.xxx.154
2049  NFS  358  V4 Call (Reply In 32944) OPEN DH: 0x03a6f240/❖❖❖❖❖❖
32944  2026-02-06 09:53:20.173388  0.000090  xxx.xxx.xxx.154 2049  xxx.xxx.xxx.62
1000  NFS  166  V4 Reply (Call In 32943) OPEN Status: NFS4ERR_INVAL32946  2026-02-06
09:53:20.173581  0.000108  xxx.xxx.xxx.62  1000  xxx.xxx.xxx.154 2049  NFS  358
V4 Call (Reply In 32947) OPEN DH: 0x03a6f240/❖❖❖❖❖❖
32947  2026-02-06 09:53:20.173584  0.000003  xxx.xxx.xxx.154 2049  xxx.xxx.xxx.62
1000  NFS  166  V4 Reply (Call In 32946) OPEN Status: NFS4ERR_INVAL
32948  2026-02-06 09:53:20.173707  0.000123  xxx.xxx.xxx.62  1000  xxx.xxx.xxx.154
2049  NFS  270  V4 Call (Reply In 32950) LOOKUP DH: 0x03a6f240/❖❖❖❖❖❖
32950  2026-02-06 09:53:20.173710  0.000001  xxx.xxx.xxx.154 2049  xxx.xxx.xxx.62
1000  NFS  166  V4 Reply (Call In 32948) LOOKUP Status: NFS4ERR_INVAL

```