

# Eventuell können Sie den granularen Restore Ihrer Exchange Backups beschleunigen!

Im EMC *NetWorker Support Forum* habe ich einen Artikel hierzu entdeckt, den ich Ihnen nicht vorenthalten möchte - evtl. trifft er ja auf Ihre Umgebung zu:

**Knowledge Base Article: 000202051**  
**NMM Exchange GLR is very slow (000202051)**  
 Version:1

**Audience:** Level 30 = Customers

**Article Type:** Break Fix

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**Validation Status:** Technically Approved

**Summary:**

**Impact:** Exchange GLR is extremely slow.

**Issue:** Exchange GLR with NMM is slow and can take well over 5 hours to complete the GLR of a 160GB database.

**Environment:**  
 NMM 3.0.1  
 NMM 8.2.1  
 Exchange 2010  
 Exchange 2013  
 Exchange 2007

**Cause:** At a high level, there are 2 phases to GLR.  
 The first phase is when NMM creates a Virtual file system and mounts the backup from Data domain device / Advanced file type device. The logs are replayed from the backup.  
 The second phase is when after GLR DB is mounted, the browse and restore mailbox can be performed.  
 One needs to identify which phase of the GLR is slow. This article refers to the performance issue during the first phase.

**Change:** none

**Resolution:** Engineering has made a hotfix to nwfs.exe to improve performance during GLR. This hotfix has improved the GLR performance significantly. For the above case the GLR went down from 5 hours to 40 minutes.  
 Contact EMC support to obtain the hotfix. Reference escalation BZ230824/EZ23313/EZ23653.  
 After applying the hotfix create the following registry entry on the Exchange host where GLR is being performed.  
 The direct IO fix is only supported for backups stored on DD and using a client direct connection. To enable the direct IO feature, create the following DWORD in the registry:  
 HKLM\SOFTWARE\Legato\NetWorker\NWFS\EnableDirectIO = 1  
 Close and open the NMM GUI after making this registry change. No reboot is required.

**Product:** NetWorker Module for Microsoft3.0 SP1, NetWorker Module for Microsoft8.2.1

Leider habe ich keinerlei Vergleichsdaten, mit denen ich dienen kann. Vielleicht hat ja ein Leser Lust, mich mit ihnen zu versorgen - ich würde die Aussage dann in einem Update des Tips veröffentlichen.