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Subject: [PATCH 08/25] elevate mnt writers for callers of vfs\_mkdir()

Posted by [Dave Hansen](#) on Mon, 11 Dec 2006 22:30:07 GMT

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Signed-off-by: Dave Hansen <haveblue@us.ibm.com>

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```
lxc-dave/fs/namei.c      | 5 +++++
lxc-dave/fs/nfsd/nfs4recover.c | 4 ++++
2 files changed, 9 insertions(+)
```

```
diff -puN fs/namei.c~07-24-elevate-mnt-writers-for-callers-of-vfs-mkdir fs/namei.c
```

```
--- lxc/fs/namei.c~07-24-elevate-mnt-writers-for-callers-of-vfs-mkdir 2006-12-11
```

```
14:22:01.000000000 -0800
```

```
+++ lxc-dave/fs/namei.c 2006-12-11 14:22:01.000000000 -0800
```

```
@ @ -1959,7 +1959,12 @ @ asmlinkage long sys_mkdirat(int dfd, con
```

```
    if (!IS_POSIXACL(nd.dentry->d_inode))
        mode &= ~current->fs->umask;
+   error = mnt_want_write(nd.mnt);
+   if (error)
+       goto out_dput;
    error = vfs_mkdir(nd.dentry->d_inode, dentry, mode);
+   mnt_drop_write(nd.mnt);
+out_dput:
    dput(dentry);
out_unlock:
    mutex_unlock(&nd.dentry->d_inode->i_mutex);
```

```
diff -puN fs/nfsd/nfs4recover.c~07-24-elevate-mnt-writers-for-callers-of-vfs-mkdir
```

```
fs/nfsd/nfs4recover.c
```

```
--- lxc/fs/nfsd/nfs4recover.c~07-24-elevate-mnt-writers-for-callers-of-vfs-mkdir 2006-12-11
```

```
14:22:01.000000000 -0800
```

```
+++ lxc-dave/fs/nfsd/nfs4recover.c 2006-12-11 14:22:01.000000000 -0800
```

```
@ @ -156,7 +156,11 @ @ nfsd4_create_clid_dir(struct nfs4_client
    dprintk("NFSD: nfsd4_create_clid_dir: DIRECTORY EXISTS\n");
    goto out_put;
}
+   status = mnt_want_write(rec_dir.mnt);
+   if (status)
+       goto out_put;
    status = vfs_mkdir(rec_dir.dentry->d_inode, dentry, S_IRWXU);
+   mnt_drop_write(rec_dir.mnt);
out_put:
    dput(dentry);
out_unlock:
```

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