

Powershell: Set NTFS Permissions

1. Pfad des Ordners

```
$ordnername = "Test"  
$directoryPath = "C:\Users\Administrator\Desktop\" + $ordnername
```

2. Aktuelle ACL des Ordners (Discretionary Access Control List)

```
$acl = Get-Acl -Path $directoryPath
```

3. Vererbung unterbrechen, vererbte Regeln löschen

```
$acl.SetAccessRuleProtection($true, $false)
```

4. Neue ACEs erstellen (Access Control Entries)

- "FullControl":F
- "Modify":RW
- "ReadAndExecute":R
- "3", "0": Anwenden auf diesen Ordner, Unterordner und Dateien

Administratoren: F

```
$group = "Administratoren"  
$permission = "FullControl"  
$ace = New-Object  
System.Security.AccessControl.FileSystemAccessRule($group, $permission,  
"3", "0", "Allow")  
$acl.AddAccessRule($ace)
```

dl-Ordner-R: R

```
$group = "dl-" + $ordnername + "-R"  
$permission = "ReadAndExecute"  
$ace = New-Object  
System.Security.AccessControl.FileSystemAccessRule($group, $permission,  
"3", "0", "Allow")  
$acl.AddAccessRule($ace)
```

dl-Ordner-RW: RW

```
$group = "dl-" + $ordnername + "-RW"
$permission = "Modify"
$ace = New-Object
System.Security.AccessControl.FileSystemAccessRule($group, $permission,
"3", "0", "Allow")
$acl.AddAccessRule($ace)
```

5. ACL wieder zuweisen

```
Set-Acl -Path $directoryPath -AclObject $acl
```