

## TAREA 3: ADMINISTRACIÓN DE PERMISOS

### TAREA3.2: MODO TEXTO EN POWERSHELL

#### 1. EN POWERSHELL sobre una carpeta

##### 1.1. Ver permisos

```
PS C:\Users\Administrador\Desktop> Get-Acl -Path 'C:\Users\Administrador\Desktop\SCRIPTS' | Select-Object -ExpandProperty Access | ft -AutoSize
```

FileSystemRights	AccessControlType	IdentityReference	IsInherited	InheritanceFlags	PropagationFlags
FullControl	Allow	NT AUTHORITY\SYSTEM	True	ContainerInherit, ObjectInherit	None
FullControl	Allow	BUILTIN\Administradores	True	ContainerInherit, ObjectInherit	None
FullControl	Allow	ASIR7\Administrador	True	ContainerInherit, ObjectInherit	None

##### 1.2. Añadir permisos

```
PS C:\Users\Administrador\Desktop> $ACL = Get-ACL -Path "SCRIPTS"
PS C:\Users\Administrador\Desktop> $AccessRule = New-Object System.Security.AccessControl.FileSystemAccessRule ("usu1","Read","Allow")
PS C:\Users\Administrador\Desktop> $ACL.SetAccessRule($AccessRule)
PS C:\Users\Administrador\Desktop> $ACL | Set-Acl -Path "SCRIPTS"
```

##### 1.3. Copiar permisos

```
PS C:\Users\Administrador\Desktop> Get-Acl -Path "SCRIPTS" | Set-Acl -Path "EXAMEN"
```

##### 1.4. Borrar permisos

```
PS C:\Users\Administrador\Desktop> $ACL = Get-ACL -Path "EXAMEN"
PS C:\Users\Administrador\Desktop> $AccessRule = New-Object System.Security.AccessControl.FileSystemAccessRule ("usu1","Read","Allow")
PS C:\Users\Administrador\Desktop> $ACL.RemoveAccessRule($AccessRule)
True
PS C:\Users\Administrador\Desktop> $ACL | Set-Acl -Path "EXAMEN"
```

##### 1.5. Deshabilitar herencia

```
PS C:\Users\Administrador\Desktop> $ACL = Get-ACL -Path "EXAMEN"
PS C:\Users\Administrador\Desktop> $ACL.SetAccessRuleProtection($true,$true)
PS C:\Users\Administrador\Desktop> $ACL = Get-ACL -Path "EXAMEN"
PS C:\Users\Administrador\Desktop> (Get-Acl -Path "EXAMEN").Access | Format-Table IdentityReference,FileSystemRights,AccessControlType,IsInherited,InheritanceFlags -AutoSize
```

IdentityReference	FileSystemRights	AccessControlType	IsInherited	InheritanceFlags
ASIR7\usu1	Synchronize	Allow	False	None
NT AUTHORITY\SYSTEM	FullControl	Allow	True	ContainerInherit, ObjectInherit
BUILTIN\Administradores	FullControl	Allow	True	ContainerInherit, ObjectInherit
ASIR7\Administrador	FullControl	Allow	True	ContainerInherit, ObjectInherit

##### 1.6. Cambiar propietario

```
PS C:\Users\Administrador\Desktop> $ACL = Get-ACL -Path "EXAMEN"
PS C:\Users\Administrador\Desktop> $User = New-Object System.Security.Principal.NTAccount("usu1")
PS C:\Users\Administrador\Desktop> $ACL.SetOwner($User)
PS C:\Users\Administrador\Desktop> $ACL | Set-Acl -Path "EXAMEN"
PS C:\Users\Administrador\Desktop> Get-Acl -Path "EXAMEN"
```

Directorio: C:\Users\Administrador\Desktop

Path	Owner	Access
EXAMEN	ASIR7\usu1	ASIR7\usu1 Allow Synchronize...

#### 2. REALIZA UN SCRIPT PARA LA ADMINISTRACIÓN DE PERMISOS SOBRE UNA CARPETA CON LAS SIGUIENTES INDICACIONES:

- ⑩ Cada operación (ver, añadir, borrar, copiar, deshabilitar herencia, cambiar propietario) debe realizarse en una función independiente
- ⑩ Deben solicitarse el nombre de la carpeta y los permisos a administrar.