

04-01 Scripting Using PowerShell

```
#Provide the destination DC in which you want to transfer the fsmo role
$destinationdc= Read-Host "Provide the Destination domain controller"

#Choose the role you want to transfer
$role=read-host "Choose the role"
Switch($role)
{
1 { $result = 'DomainNamingMaster'}
2 { $result = 'PDCEmulator'}
3 { $result = 'RIDMaster'}
4 { $result = 'SchemaMaster'}
5 { $result = 'InfrastructureMaster'}
6 {$result = 'All'}
}

if($role -gt 6)
{
Write-host "Choose correct option" -ForegroundColor Cyan
}

#This will transfer DomainNamingMaster role to destination server
if ($role -eq 1)
{
Move-ADDirectoryServerOperationMasterRole -OperationMasterRole
DomainNamingMaster -Identity $destinationDc -confirm:$false

Write-host "$result is transferred successfully to $destinationDc"
-ForegroundColor DarkGreen -BackgroundColor Cyan

netdom query fsmo |Select-String "Domain Naming Master"
}

#This will transfer PDCEmulator role to destination server
if ($role -eq 2)
{
Move-ADDirectoryServerOperationMasterRole -OperationMasterRole
PDCEmulator -Identity $destinationDc -confirm:$false

Write-host "$result is transferred successfully to $destinationDc"
-ForegroundColor DarkGreen -BackgroundColor Cyan

netdom query fsmo |Select-String "PDC"
}
```

```

#This will transfer RID pool manager role to destination server
if ($role -eq 3)
{
    Move-ADDirectoryServerOperationMasterRole -OperationMasterRole
    RIDMaster -Identity $destinationDc -confirm:$false
    Write-host "$result is transferred successfully to $destinationDc"
    -ForegroundColor DarkGreen -BackgroundColor Cyan
    netdom query fsmo |Select-String "RID pool manager"
}

#This will transfer Schema Master role to destination server
if ($role -eq 4)
{
    Move-ADDirectoryServerOperationMasterRole -OperationMasterRole
    SchemaMaster -Identity $destinationDc -confirm:$false
    Write-host "$result is transferred successfully to
    $destinationDc" -ForegroundColor DarkGreen -BackgroundColor Cyan
    netdom query fsmo |Select-String "Schema Master"
}

#This will transfer Infrastructure Master role to destination server
if ($role -eq 5)
{
    Move-ADDirectoryServerOperationMasterRole -OperationMasterRole
    InfrastructureMaster -Identity $destinationDc -Credential
    -confirm:$false
    Write-host "$result is transferred successfully to $destinationDc"
    -ForegroundColor DarkGreen -BackgroundColor Cyan
    netdom query fsmo |Select-String "Infrastructure Master"
}

#This will transfer All roles to destination server
if ($role -eq 6)
{
    Move-ADDirectoryServerOperationMasterRole -OperationMasterRole
    DomainNamingMaster,PDCEmulator,RIDMaster,SchemaMaster,InfrastructureMaster
    -Identity $destinationDc -confirm:$false
    Write-host "$result roles are transferred successfully to
    $destinationDc" -ForegroundColor DarkGreen -BackgroundColor Cyan
    netdom query fsmo
}

```

Open PS ISE as admin.

Paste in this script from Dhruv Bharali:

<https://www.linkedin.com/pulse/15-best-active-directory-powershell-scripts-dhruv-bharali/>

This script from Dhruv Bharali will help us with our PowerShell ps1 script creation.

This script will transfer one of the five master roles from one server to another:

```
$role=read-host "Choose the role"
Switch($role)
{
1 { $result = 'DomainNamingMaster'}
2 { $result = 'PDCEmulator'}
3 { $result = 'RIDMaster'}
4 { $result = 'SchemaMaster'}
5 { $result = 'InfrastructureMaster'}
6 {$result = 'All'}
}
```

This next section just presents the color in cyan and doesn't perform any functions. Without it, you would see it as the default color:

```
if($role -gt 6)
{
Write-host "Choose correct option" -ForegroundColor Cyan
}
```

Transfer DomainNamingMaster role to destination server:

```
if ($role -eq 1)
{
Move-ADDirectoryServerOperationMasterRole -
OperationMasterRole DomainNamingMaster -Identity $destinationDc -
confirm:$false

Write-host "$result is transferred successfully to
$destinationDc" -ForegroundColor DarkGreen -BackgroundColor Cyan

netdom query fsmo |Select-String "Domain Naming Master"
}
```