

# Powershell

- [Personnalisation OS](#)
- [Déploiement AD](#)
- [AD Personnalisation](#)
- [Move computer](#)
- [Exporter tous les drivers](#)
- [Script de sauvegarde de fichiers avec structure](#)
- [Refaire la réapprobation entre un pc et le controleur de domaine](#)

# Personnalisation OS

```
Rename-Computer -NewName 'DC2-1'
```

```
Restart-Computer
```

```
Get-NetAdapter
```

```
Get-NetAdapter -InterfaceIndex 'Adapter le N° Interface : ifIndex'
```

```
Rename-NetAdapter -Name 'Nom adaptateur' -NewName 'RL'
```

```
Set-NetIPInterface -InterfaceIndex 'N° Interface : ifIndex' -Dhcp Enabled
```

```
New-NetIPAddress -InterfaceIndex 'N° Interface : ifIndex' -IPAddress '@IP' -PrefixLength '8'
```

```
# Joindre le domaine ad100.labo
```

```
Set-DnsClientServerAddress -InterfaceIndex 'N° Interface : ifIndex' -ServerAddresses  
'@IP_DNS_DC'
```

```
Test-Connection -ComputerName ad100.labo
```

```
Add-Computer -DomainName ad100.labo -DomainCredential AD100\Administrateur
```

```
Restart-Computer
```

# Déploiement AD

```
Install-WindowsFeature -Name AD-Domain-Services -IncludeManagementTools

$PasswordSafeMode = ConvertTo-SecureString -AsPlainText 'Pa$$w0rd' -Force

$Params = @{
    CreateDnsDelegation = $false
    DatabasePath = 'C:\Windows\NTDS'
    DomainMode = 'WinThreshold'
    DomainName = 'AD100.LAB0'           # Adapter les noms DomainName et DomainNetbiosName
    DomainNetbiosName = 'AD100'
    ForestMode = 'WinThreshold'
    InstallDns = $true
    LogPath = 'C:\Windows\NTDS'
    NoRebootOnCompletion = $false
    SafeModeAdministratorPassword = $PasswordSafeMode
    SysvolPath = 'C:\Windows\SYSVOL'
    Force = $true
}

Install-ADDSForest @Params
```

# AD Personnalisation

```
$domainInfos = Get-ADDomain

#----- Modifier la stratégie de mots de passe du domaine

$params = @{
    "Identity"=$domainInfos.DNSRoot;
    "LockoutDuration"="00:00:00";
    "LockoutObservationWindow"="00:00:00";
    "LockoutThreshold"=0;
    "ComplexityEnabled"=$false;
    "ReversibleEncryptionEnabled"=$False;
    "MaxPasswordAge"="00.00:00:00";
    "MinPasswordAge"="00.00:00:00";
    "PasswordHistoryCount"=0;
    "MinPasswordLength"=0
}

□
Set-ADDefaultDomainPasswordPolicy @params
Get-ADDefaultDomainPasswordPolicy
Invoke-GPUdate

Write-Host 'AD Configuration - Default Password Policy OK' -ForegroundColor Green

#----- CreateDialogu --> NOM Prenom

$objADDN = "CN=user-Display,cn=40c,CN=DisplaySpecifiers,CN=Configuration," +
$domainInfos.DistinguishedName
Set-ADObject -Identity $objADDN -Replace @{createDialog="%<givenName> %<sn> "}

Write-Host 'AD Configuration - Create Dialogu Box OK' -ForegroundColor Green

#----- Création d'un Administrateur supplémentaire

$Password = ConvertTo-SecureString -AsPlainText "ad" -Force
$upn = "ad@" + $domainInfos.DNSRoot
```

```
$params = @{
    "Path"=('cn=Users,' + $domainInfos.DistinguishedName);
    "Name"="AD";
    "AccountPassword"=$Password;
    "Enabled"=$true;
    "UserPrincipalName"=$upn
    }

New-ADUser @params

$members = Get-ADUser -Identity "Administrator" -Properties memberof
foreach ($group in $members.memberof)
{
    Add-ADGroupMember -Identity $group -Members "AD" -ErrorAction SilentlyContinue
}

Write-Host 'AD Configuration - Admin supplémentaire AD OK' -ForegroundColor Green

Write-Host "Personnalisation TERMINEE" -ForegroundColor Green
```

# Move computer

```
Get-ADComputer -Identity SV1 | Move-ADObject -TargetPath  
'ou=serveurs,ou=_pcform,dc=ad100,dc=labo'  
Get-ADComputer -Identity SV1
```

# Exporter tous les drivers

Sources : <https://www.prajwal.org/powershell-export-drivers-from-windows/>

```
Export-WindowsDriver -Online -Destination D:\Drivers
```

# Script de sauvegarde de fichiers avec structure

```
$sourceDir = 'F:\'  
$targetDir = 'Z:\backupfilesrv\F\  
$morning = (Get-Date).AddHours(-16)  
$afternoon = (Get-Date).AddHours(2)  
Get-ChildItem -Path $sourceDir -recurse | Where-Object {$_.LastWriteTime -gt $morning} |  
Where-Object {$_.LastWriteTime -lt $afternoon} |  
foreach {  
    $targetFile = $targetDir + $_.FullName.SubString($sourceDir.Length);  
    Write-Host $targetFile  
    $m = $_.Mode  
    if ($m[0] -eq 'd') {  
        Write-Host "Dir"  
        New-Item -ItemType Directory -Path $targetFile -Force;  
    } else {  
        Write-Host "File"  
        New-Item -ItemType File -Path $targetFile -Force;  
        Copy-Item $_.FullName -destination $targetFile  
    }  
}
```

# Refaire la réapprobation entre un pc et le controleur de domaine

```
Reset-ComputerMachinePassword -Server srv-dc.yourdomain -Credential administrator@yourdomain
```