CONFIGURACIÓN ACTIVE DIRECTORY POWERSHELL

1. INSTALACIÓN DE LOS SERVICIOS DE DOMINIO DE ACTIVE DIRECTORY

```powershell
Install-windowsfeature -name AD-Domain-Services, DNS -IncludeAllSubFeatures -IncludeManagementTools
```

2. PROMOVER A DOMAIN CONTROLLER

```powershell
Import-module addsdeployment
Install-ADDSForest -DomainName "Midominio.local" -DomainNetBiosName "Midominio" -SafeModeAdministratorPassword (ConvertTo-SecureString -string "CONTRASEÑA" -AsPlainText -Force) -DomainMode WinThreshold -ForestMode WinThreshold -InstallDNS:$True -Confirm:$false
```

3. LIMPIAR DNS

```powershell
ipconfig /flushdns
Clear-DnsClientCache
Remove-DnsServerZone -name midominio.local -force > $Null
```

4. CREAR ZONA DIRECTA E INDIRECTA

```powershell
Add-DnsServerPrimaryZone -name midominio.local -Zonefile midominio.local.dns
Add-DnsServerPrimaryZone -NetworkId 192.168.1.0/24 -ZoneFile 1.168.192.in-addr.arpa.dns
```

5. CREAR REGISTROS Y CNAMES

```powershell
Add-DnsServerResourceRecordA -IPv4Address 192.168.1.110 -name nr1 -ZoneName midominio.local -CreatePtr
Add-DnsServerResourceRecordA -IPv4Address 192.168.1.130 -name server19 -ZoneName midominio.local -CreatePtr
Add-DnsServerResourceRecordCName -HostNameAlias www.midominio.local -Name ftp -ZoneName midominio.local
Add-DnsServerResourceRecordCName -HostNameAlias www.google.es -Name google -ZoneName midominio.local
```

6. CAMBIAR PROPIEDADES DE REGISTRO SOA

```powershell
$NuevoSOA = Get-DnsServerResourceRecord -ZoneName midominio.local -RRType SOA
$AntiguoSOA = Get-DnsServerResourceRecord -ZoneName midominio.local -RRType SOA
$NuevoSOA.Recorddata.primaryserver = "server19.midominio.local"
$NuevoSOA.RecordData.serialNumber = "2021050601"
set-dnsserverresourcerecord -NewInputObject $NuevoSOA -OldInputObject $AntiguoSOA -ZoneName midominio.local
```

7. ESTABLECER REENVIADORES

```powershell
Add-DnsServerForwarder -IPAddress 8.8.8.8, 8.8.4.4, 1.1.1.1 -PassThru > $Null
```

8. REESTABLECER DIRECCIÓN DNS EN EL SERVIDOR

```powershell
Set-DnsClientServerAddress -InterfaceIndex (Get-NetAdapter).InterfaceIndex -ServerAddresses "192.168.1.130"
```