```vbs
' Criando Unidades Organizacionais para DOMAD.mtulio.eng.br

Option Explicit

' -> Declarando variaveis

' Atributos do Objeto
Dim strDescription, userName, userNamePrefix, sAMAccountName

' Variaveis Auxiliares
Dim i, iItem, iTemSubOU
Dim strOU, strPath, strOUBase, strUnitSigla, strNameComp, strSn, strCompany, strPrincipalName
, userNamePart, strComputerNamePart
Dim strComputerName, strOS, strSP
Dim strCn, strCnPart, strName, struNCName, struNCNamePart, strDescriptionPart

' Variaveis DN
Dim DNPai, DNPai2, DNUser, DNAtual, DNFilho, DNComp

' Variaveis de Objeto
Dim objDOMAD, objOU,  objOUPai, strOUOrg, objUser

' Quantidade de objetos a serem criados - INFORME
Dim countAllUsers, countAllComputers, countAllGroups, countAllObjects
countAllUsers = 99
countAllComputers = 60
countAllGroups = 80
countAllObjects = 30

' Valores para Testes
'countAllUsers = 9
'countAllComputers = 6
'countAllGroups = 8
'countAllObjects = 3

' -> Iniciando o Programa

WScript.Echo "Certifique-se que as OU configuradas neste script não existam, caso contrario
este script falhará"

' String de pesquisa.
' Bind to object.
strPath = "LDAP://dc=domad,dc=mtulio,dc=eng,dc=br"
Set objOUPai = GetObject(strPath)

'strPath = "LDAP://localhost:389/dc=domad,dc=mtulio,dc=eng,dc=br"
'WScript.Echo "Pesquisando na base: " & strPath

' ==============   OU=DOMAD
' Criando a OU Base:

DNPai = "dc=DOMAD,dc=mtulio,dc=eng,dc=br"
Set objOUPai = GetObject("LDAP://" & DNPai)

strOU = "ou=DOMAD"
strDescription = "MTulio ENG - Dominio AD (DOMAD)"
```

```vbscript
'WScript.Echo "Criando:  " & strOU

' Criando a estrutura da Unidade
Set objOU = objOUPai.Create("organizationalUnit", strOU)
objOU.Put "description", strDescription
objOU.SetInfo

' Saida: Sucesso ou Erro.
If Err.Number <> vbEmpty Then
    WScript.Echo "Erro:   Falha na criação.\n" & Err.Number
'Else
    'WScript.Echo "Sucesso: Organizational Unit criada com sucesso."
End If


' =============    OU=UNIDADES,OU=DOMAD
' Quatro Unidades Organizacionais para 5 Filiais
' Matriz 2 X 5
Dim vetorOU(1,4)

vetorOU(0,0) = Array("ou=GYN", "Unidade Goiania-GO")
vetorOU(1,0) = Array("ou=USUARIOS","ou=GRUPOS","ou=COMPUTADORES","ou=OBJETOS",
"ou=Departamentos" )
'vetorOU(2,0) =
Array("cn=gynuser01","cn=gynuser02","cn=gynuser03","cn=gynuser04","cn=gynuser05")

vetorOU(0,1) = Array("ou=ANA", "Unidade Anapolis-GO")
vetorOU(1,1) = Array("ou=USUARIOS","ou=GRUPOS","ou=COMPUTADORES","ou=OBJETOS" )
'vetorOU(2,1) =
Array("cn=anauser01","cn=anauser02","cn=anauser03","cn=anauser04","cn=anauser05")

vetorOU(0,2) = Array("ou=URU", "Unidade Uruacu-GO")
vetorOU(1,2) = Array("ou=USUARIOS","ou=GRUPOS","ou=COMPUTADORES","ou=OBJETOS" )
'vetorOU(2,2) =
Array("cn=uruuser01","cn=uruuser02","cn=uruuser03","cn=uruuser04","cn=uruuser05")

vetorOU(0,3) = Array("ou=FOR", "Unidade Fortaleza-CE")
vetorOU(1,3) = Array("ou=USUARIOS","ou=GRUPOS","ou=COMPUTADORES","ou=OBJETOS" )
'vetorOU(2,3) =
Array("cn=foruser01","cn=foruser02","cn=foruser03","cn=foruser04","cn=foruser05")

vetorOU(0,4) = Array("ou=SPO", "Unidade Sao Paulo-SP")
vetorOU(1,4) = Array("ou=USUARIOS","ou=GRUPOS","ou=COMPUTADORES","ou=OBJETOS" )
'vetorOU(2,4) =
Array("cn=spouser01","cn=spouser02","cn=spouser03","cn=spouser04","cn=spouser05")

' ========  Criando as unidades: ou=Unidade,ou=DOMAD
strPath = "LDAP://ou=DOMAD,dc=DOMAD,dc=mtulio,dc=eng,dc=br"

    For iItem=0 To UBound(vetorOU,2)
        DNPai = "ou=DOMAD,dc=DOMAD,dc=mtulio,dc=eng,dc=br"
        DNAtual = vetorOU(0,iItem)(0)

        Set objOUPai = GetObject("LDAP://" & DNPai)

        ' Buscando a Unidade Organizacional no Vetor
        strOU = DNAtual
```

```vbscript
        strDescription = vetorOU(0,iItem)(1)


        strOUOrg = strOU


        'WScript.Echo "Criando:  " & strOU & "," & DNPai


        ' Criando a estrutura da Unidade
        Set objOU = objOUPai.Create("organizationalUnit", strOU)
        objOU.Put "description", strDescription
        objOU.SetInfo


        ' Saida: Sucesso ou Erro.
        If Err.Number <> vbEmpty Then
            WScript.Echo "Erro:   Falha na criação."
        'Else
            'WScript.Echo "Sucesso: Organizational Unit criada com sucesso."
        End If


        DNPai = DNAtual & "," & DNPai
        ' Criando a estrutura Basica
        For iTemSubOU=0 To UBound(vetorOU(1,iItem))
            DNFilho = lcase(vetorOU(1,iItem)(iTemSubOU))
            'WScript.Echo "DN PAI:  " & DNPai
            'WScript.Echo "DN FILHO:  " & DNFilho
            Set objOUPai = GetObject("LDAP://" & DNPai)

            strOU = lcase(vetorOU(1,iItem)(iTemSubOU))
            'trDescription = strOUBase & " – " & strOU

            'WScript.Echo "Criando:  " & strOU
            ' Criando a estrutura da Unidade
            Set objOU = objOUPai.Create("organizationalUnit", strOU)
            'objOU.Put "description", strDescription
            objOU.SetInfo

            ' Saida: Sucesso ou Erro.
            If Err.Number <> vbEmpty Then
                WScript.Echo "Erro:   Falha na criação."
            'Else
                'WScript.Echo "Sucesso: Organizational Unit criada com sucesso."
            End If

            'WScript.Echo "Criando Usuarios."
            strCompany = "MTulio ENG"

            DNPai2 = DNFilho & "," & DNPai

            'WScript.Echo "DN NETO:  " & DNNeto
            'WScript.Echo "Adicionando Usuarios:" & strOUOrg
            Set objOUPai = GetObject("LDAP://" & DNPai2)

            ' Populando a base com Usuarios

            If strOU = "ou=usuarios" Then
                For i = 1 To countAllUsers
                    If (i < 10) Then
                        strSn = " User 0" & i
```

```vbscript
            userNamePart = "USER0" & i
        Else
            strSn = " User " & i
            userNamePart = "USER" & i
        End if

        If strOUOrg = "ou=GYN" Then
            strUnitSigla = "GYN"

            strNameComp = strUnitSigla & strSn
            DNUser = "cn=" & strNameComp
            userName = strUnitSigla & userNamePart
            strPrincipalName = userName & "@domad.mtulio.eng.br"

            Set objUser = objOUPai.Create("User", DNUser)
            objUser.sAMAccountName = userName
            objUser.givenName = strUnitSigla
            objUser.sn = strSn
            objUser.SetInfo
            objUser.userPrincipalName= strprincipalname
            objUser.displayName = strNameComp
            objUser.company = strCompany
            objUser.description = strNameComp
            objUser.userAccountControl = 512                    ' Ativando a
            conta
            objUser.pwdLastSet = 0                              ' Ativando a
            conta
            objUser.setPassword("" & "123@qwe" & "")           ' Definindo
            senha
            objUser.SetInfo
        End if

        If strOUOrg = "ou=ANA" Then
            strUnitSigla = "ANA"

            strNameComp = strUnitSigla & strSn
            DNUser = "cn=" & strNameComp
            userName = strUnitSigla & userNamePart
            strPrincipalName = userName & "@domad.mtulio.eng.br"

            Set objUser = objOUPai.Create("User", DNUser)
            objUser.sAMAccountName = userName
            objUser.givenName = strUnitSigla
            objUser.sn = strSn
            objUser.SetInfo
            objUser.userPrincipalName= strprincipalname
            objUser.displayName = strNameComp
            objUser.company = strCompany
            objUser.description = strNameComp
            objUser.userAccountControl = 512
            objUser.pwdLastSet = 0
            objUser.setPassword("" & "123@qwe" & "")
            objUser.SetInfo
        End if

        If strOUOrg = "ou=URU" Then
            strUnitSigla = "URU"
```

```vbscript
        strNameComp = strUnitSigla & strSn
        DNUser = "cn=" & strNameComp
        userName = strUnitSigla & userNamePart
        strPrincipalName = userName & "@domad.mtulio.eng.br"

        Set objUser = objOUPai.Create("User", DNUser)
        objUser.sAMAccountName = userName
        objUser.givenName = strUnitSigla
        objUser.sn = strSn
        objUser.SetInfo
        objUser.userPrincipalName= strprincipalname
        objUser.displayName = strNameComp
        objUser.company = strCompany
        objUser.description = strNameComp
        objUser.userAccountControl = 512
        objUser.pwdLastSet = 0
        objUser.setPassword("" & "123@qwe" & "")
        objUser.SetInfo
    End if

    If strOUOrg = "ou=FOR" Then
        strUnitSigla = "FOR"

        strNameComp = strUnitSigla & strSn
        DNUser = "cn=" & strNameComp
        userName = strUnitSigla & userNamePart
        strPrincipalName = userName & "@domad.mtulio.eng.br"

        Set objUser = objOUPai.Create("User", DNUser)
        objUser.sAMAccountName = userName
        objUser.givenName = strUnitSigla
        objUser.sn = strSn
        objUser.SetInfo
        objUser.userPrincipalName= strprincipalname
        objUser.displayName = strNameComp
        objUser.company = strCompany
        objUser.description = strNameComp
        objUser.userAccountControl = 512
        objUser.pwdLastSet = 0
        objUser.setPassword("" & "123@qwe" & "")
        objUser.SetInfo
    End if

    If strOUOrg = "ou=SPO" Then
        strUnitSigla = "SPO"

        strNameComp = strUnitSigla & strSn
        DNUser = "cn=" & strNameComp
        userName = strUnitSigla & userNamePart
        strPrincipalName = userName & "@domad.mtulio.eng.br"

        Set objUser = objOUPai.Create("User", DNUser)
        objUser.sAMAccountName = userName
        objUser.givenName = strUnitSigla
        objUser.sn = strSn
        objUser.SetInfo
```

```vbscript
                objUser.userPrincipalName= strprincipalname
                objUser.displayName = strNameComp
                objUser.company = strCompany
                objUser.description = strNameComp
                objUser.userAccountControl = 512
                objUser.pwdLastSet = 0
                objUser.setPassword("" & "123@qwe" & "")
                objUser.SetInfo
            End if
        Next
    ' Fim ou=usuarios
    End if


    If strOU = "ou=grupos" Then
        strDescription = "Grupos – " & strDescription
        For i = 1 To countAllGroups
            If (i < 10) Then
                strCnPart = "GRUPO0" & i
            Else
                strCnPart = "GRUPO" & i
            End if

            If strOUOrg = "ou=GYN" Then
                strUnitSigla = "GYN"
                sAMAccountName = strUnitSigla & strCnPart
                strCn = strUnitSigla & strCnPart

                Set objUser = objOUPai.Create("Group", "cn=" & strCn)
                objUser.cn = strCn
                objUser.sAMAccountName = sAMAccountName
                objUser.description = strDescription
                objUser.SetInfo
            ' End GYN
            End If

            If strOUOrg = "ou=ANA" Then
                strUnitSigla = "ANA"

                sAMAccountName = strUnitSigla & strCnPart
                strCn = strUnitSigla & strCnPart

                Set objUser = objOUPai.Create("Group", "cn=" & strCn)
                objUser.cn = strCn
                objUser.sAMAccountName = sAMAccountName
                objUser.description = strDescription
                objUser.SetInfo
            ' End ANA
            End If

            If strOUOrg = "ou=URU" Then
                strUnitSigla = "URU"

                sAMAccountName = strUnitSigla & strCnPart
                strCn = strUnitSigla & strCnPart

                Set objUser = objOUPai.Create("Group", "cn=" & strCn)
                objUser.cn = strCn
```

```vbscript
            objUser.sAMAccountName = sAMAccountName
            objUser.description = strDescription
            objUser.SetInfo
        ' End URU
        End If


        If strOUOrg = "ou=FOR" Then
            strUnitSigla = "FOR"

            sAMAccountName = strUnitSigla & strCnPart
            strCn = strUnitSigla & strCnPart

            Set objUser = objOUPai.Create("Group", "cn=" & strCn)
            objUser.cn = strCn
            objUser.sAMAccountName = sAMAccountName
            objUser.description = strDescription
            objUser.SetInfo
        ' End FOR
        End If


        If strOUOrg = "ou=SPO" Then
            strUnitSigla = "SPO"

            sAMAccountName = strUnitSigla & strCnPart
            strCn = strUnitSigla & strCnPart

            Set objUser = objOUPai.Create("Group", "cn=" & strCn)
            objUser.cn = strCn
            objUser.sAMAccountName = sAMAccountName
            objUser.description = strDescription
            objUser.SetInfo
        ' End SPO
        End If
    Next
' Fim ou=grupos
End if


If strOU = "ou=computadores" Then

    strOS = "Microsoft Windows 7 Professinal"
    strSP = "Service Pack 20"

    For i = 1 To countAllComputers
        If (i < 10) Then
            strComputerNamePart = "COMP0" & i
        Else
            strComputerNamePart = "COMP" & i
        End if

        If strOUOrg = "ou=GYN" Then
            strUnitSigla = "GYN"

            strComputerName = strUnitSigla & strComputerNamePart
            DNComp = "cn=" & strComputerName

            Set objUser = objOUPai.Create("Computer", DNComp)       ' Criando
            objeto
```

```vbscript
        objUser.cn = strComputerName                       ' Atributo
        Obrigatorio
        objUser.Description = strComputerName               ' Atributo
        Obrigatorio
        objUser.distinguishedName = DNComp & DNPai          ' Atributo
        Obrigatorio
        objUser.OperatingSystem = strOS                     ' Atributo
        Opcional
        objUser.OperatingSystemServicePack = strSP          ' Atributo
        Opcional
        objUser.sAMAccountName = strComputerName & "$"      ' Definindo
        senha
        objUser.userAccountControl = 4096                   ' Ativando a
        conta
        objUser.SetInfo
    End If


    If strOUOrg = "ou=ANA" Then
        strUnitSigla = "ANA"

        strComputerName = strUnitSigla & strComputerNamePart
        DNComp = "cn=" & strComputerName

        Set objUser = objOUPai.Create("Computer", DNComp)    ' Criando
        objeto
        objUser.cn = strComputerName                       ' Atributo
        Obrigatorio
        objUser.Description = strComputerName               ' Atributo
        Obrigatorio
        objUser.distinguishedName = DNComp & DNPai          ' Atributo
        Obrigatorio
        objUser.OperatingSystem = strOS                     ' Atributo
        Opcional
        objUser.OperatingSystemServicePack = strSP          ' Atributo
        Opcional
        objUser.sAMAccountName = strComputerName & "$"      ' Definindo
        senha
        objUser.userAccountControl = 4096                   ' Ativando a
        conta
        objUser.SetInfo
    End If


    If strOUOrg = "ou=URU" Then
        strUnitSigla = "URU"

        strComputerName = strUnitSigla & strComputerNamePart
        DNComp = "cn=" & strComputerName

        Set objUser = objOUPai.Create("Computer", DNComp)    ' Criando
        objeto
        objUser.cn = strComputerName                       ' Atributo
        Obrigatorio
        objUser.Description = strComputerName               ' Atributo
        Obrigatorio
        objUser.distinguishedName = DNComp & DNPai          ' Atributo
        Obrigatorio
        objUser.OperatingSystem = strOS                     ' Atributo
```

```vbnet
            Opcional
            objUser.OperatingSystemServicePack = strSP              ' Atributo
            Opcional
            objUser.sAMAccountName = strComputerName & "$"           ' Definindo
            senha
            objUser.userAccountControl = 4096                        ' Ativando a
            conta
            objUser.SetInfo
        End If

        If strOUOrg = "ou=FOR" Then
            strUnitSigla = "FOR"

            strComputerName = strUnitSigla & strComputerNamePart
            DNComp = "cn=" & strComputerName

            Set objUser = objOUPai.Create("Computer", DNComp)        ' Criando
            objeto
            objUser.cn = strComputerName                             ' Atributo
            Obrigatorio
            objUser.Description = strComputerName                    ' Atributo
            Obrigatorio
            objUser.distinguishedName = DNComp & DNPai               ' Atributo
            Obrigatorio
            objUser.OperatingSystem = strOS                          ' Atributo
            Opcional
            objUser.OperatingSystemServicePack = strSP               ' Atributo
            Opcional
            objUser.sAMAccountName = strComputerName & "$"           ' Definindo
            senha
            objUser.userAccountControl = 4096                        ' Ativando a
            conta
            objUser.SetInfo
        End If

        If strOUOrg = "ou=SPO" Then
            strUnitSigla = "SPO"

            strComputerName = strUnitSigla & strComputerNamePart
            DNComp = "cn=" & strComputerName

            Set objUser = objOUPai.Create("Computer", DNComp)        ' Criando
            objeto
            objUser.cn = strComputerName                             ' Atributo
            Obrigatorio
            objUser.Description = strComputerName                    ' Atributo
            Obrigatorio
            objUser.distinguishedName = DNComp & DNPai               ' Atributo
            Obrigatorio
            objUser.OperatingSystem = strOS                          ' Atributo
            Opcional
            objUser.OperatingSystemServicePack = strSP               ' Atributo
            Opcional
            objUser.sAMAccountName = strComputerName & "$"           ' Definindo
            senha
            objUser.userAccountControl = 4096                        ' Ativando a
            conta
```

```vbscript
                    objUser.SetInfo
                End If
            Next
        ' Fim ou=computadores
        End if


        If strOU = "ou=objetos" Then
            strDescription = "Compartilhamentos – " & strDescription


            For i = 1 To countAllObjects
                If (i < 10) Then
                    strCnPart = "SHARE0" & i
                    struNCNamePart = "001\share0" & i
                    strDescriptionPart = " – Compartilhamento 0" & i
                Else
                    strCnPart = "SHARE" & i
                    struNCNamePart = "001\share" & i
                    strDescriptionPart = " – Compartilhamento " & i
                End if


                If strOUOrg = "ou=GYN" Then
                    strUnitSigla = "GYN"

                    strCn = strUnitSigla & strCnPart
                    struNCName = "\\srv" & strUnitSigla & struNCNamePart
                    strDescription = strUnitSigla & strDescriptionPart
                    Set objUser = objOUPai.Create("Volume", "cn=" & strCn)
                    objUser.cn = strCn
                    objUser.uNCName = struNCName
                    objUser.uNCName = strDescription
                    objUser.SetInfo
                ' End GYN
                End If


                If strOUOrg = "ou=ANA" Then
                    strUnitSigla = "ANA"

                    strCn = strUnitSigla & strCnPart
                    struNCName = "\\srv" & strUnitSigla & struNCNamePart
                    strDescription = strUnitSigla & strDescriptionPart
                    Set objUser = objOUPai.Create("Volume", "cn=" & strCn)
                    objUser.cn = strCn
                    objUser.uNCName = struNCName
                    objUser.uNCName = strDescription
                    objUser.SetInfo
                ' End ANA
                End If


                If strOUOrg = "ou=URU" Then
                    strUnitSigla = "URU"

                    strCn = strUnitSigla & strCnPart
                    struNCName = "\\srv" & strUnitSigla & struNCNamePart
                    strDescription = strUnitSigla & strDescriptionPart
                    Set objUser = objOUPai.Create("Volume", "cn=" & strCn)
                    objUser.cn = strCn
                    objUser.uNCName = struNCName
```

```vbscript
                            objUser.uNCName = strDescription
                            objUser.SetInfo
                    ' End URU
                    End If

                    If strOUOrg = "ou=FOR" Then
                        strUnitSigla = "FOR"

                        strCn = strUnitSigla & strCnPart
                        struNCName = "\\srv" & strUnitSigla & struNCNamePart
                        strDescription = strUnitSigla & strDescriptionPart
                        Set objUser = objOUPai.Create("Volume", "cn=" & strCn)
                        objUser.cn = strCn
                        objUser.uNCName = struNCName
                        objUser.uNCName = strDescription
                        objUser.SetInfo
                    ' End FOR
                    End If

                    If strOUOrg = "ou=SPO" Then
                        strUnitSigla = "SPO"

                        strCn = strUnitSigla & strCnPart
                        struNCName = "\\srv" & strUnitSigla & struNCNamePart
                        strDescription = strUnitSigla & strDescriptionPart
                        Set objUser = objOUPai.Create("Volume", "cn=" & strCn)
                        objUser.cn = strCn
                        objUser.uNCName = struNCName
                        objUser.uNCName = strDescription
                        objUser.SetInfo
                    ' End SPO
                    End If
                Next
            ' Fim ou=objetos
            End if
        Next
    Next

    WScript.Echo "Script executado com sucesso."

' Sugestões para melhoria deste script
' 1) Adicionar tratamento de excessões. Exemplo: Verificar se uma determinada OU existe e
não tentar criá-la
' 2) Criar funções e  separar melhor o codigo para maior organização
```