Автоматичне створення підпису в Microsoft Outlook

# Завдання і обмеження

Автоматично створювати підпис для Microsoft Outlook в корпоративному стилі «Ідея банку».

Джерелом даних є Active Directory.

Існують обмеження на доступ до гілки реєстру робочих станцій HKEY CURRENT USER

# Технології

Існують два основних способи автоматизації створення поштового підпису.

Перший із них використовує Visual Basic Scripting. Інший використовує скрипти Power Shell.

# Алгоритм вирішення

## Код макросу для Outlook на VBA для створення підпису електоної пошти

Public Sub CreateMessageSignature()

Dim objMsg As MailItem

Dim strBuffer As String

enviro = CStr(Environ("appdata"))

Debug.Print enviro

Set objFSO = CreateObject("Scripting.FileSystemObject")

' Edit the signature file name on the following line

strSigFilePath = enviro & "\Microsoft\Signatures\"

Debug.Print strSigFilePath

Set objSignatureFile = objFSO.OpenTextFile(strSigFilePath & "Palikhov eng.htm")

strBuffer = objSignatureFile.ReadAll

objSignatureFile.Close

Set objMsg = Application.CreateItem(olMailItem)

With objMsg

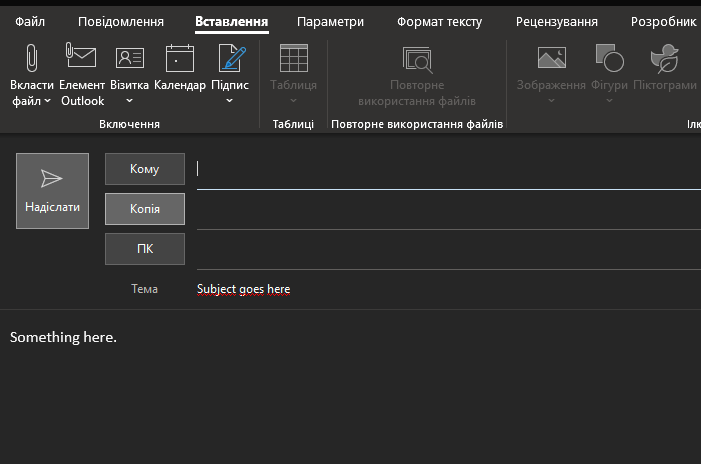
.Subject = "Subject goes here"

.HTMLBody = "<p>Something here.</p><p> </p>" & strBuffer

.Display

End With

End Sub



1

## Скрипт копіювання шаблону підпису із вставленими закладками[[1]](#footnote-1)

strTEmplate = "\\server\documents\sig1.dotx"

Set objWord = CreateObject("Word.Application")

Set objDoc = objWord.Documents.Add(strTemplate)

Set objSysInfo = CreateObject("ADSystemInfo")

strUser = objSysInfo.UserName

Set objUser = GetObject("LDAP://" & strUser)

With objDoc.Bookmarks

.Item("FullName").Range.Text = objUser.FullName

.Item("Title").Range.Text = objUser.Title

.Item("streetaddress").Range.Text = objUser.streetaddress

.Item("telephoneNumber").Range.Text = objUser.telephoneNumber

If objUser.mobile.Length <> 0 Then

.Item("Mobile").Range.Text = objUser.mobile

Else

.Item("Mobile").Range.Delete()

End If

.Item("facsimileTelephoneNumber").Range.Text = objUser.facsimileTelephoneNumber

.Item("mail").Range.Text = objUser.mail

End With

Set selection = objDoc.Range()

With objWord.EmailOptions.EmailSignature

.EmailSignatureEntries.Add "Celtrino AD Signature", selection

.NewMessageSignature = "Celtrino AD Signature"

.ReplyMessageSignature = "Celtrino AD Signature"

End With

objDoc.Saved = True

objWord.Quit

## Скрипт для створення підпису із використанням даних Active Directory (Outlook 2010, 2013, 2016)

' Global variables

Set objShell = CreateObject("WScript.Shell")

Set objUser = CreateObject("ADSystemInfo")

Set objCurrentUser = GetObject("LDAP://" & objUser.UserName)

' Outlook signature location, for Outlook 2010, 2013 & 2016

appData = objShell.ExpandEnvironmentStrings("%APPDATA%")

outlookSignatures = appData & "\Microsoft\Signatures"

' Signature locations

source = "\\[sharename]\signatures"

sourceSig = source & "\[signaturefilename].htm"

destinationSig = outlookSignatures & "\[signaturefilename].htm"

processSig = False

Set fso = CreateObject("Scripting.FileSystemObject")

'Create missing folders

If Not fso.FolderExists(outlookSignatures) Then

fso.CreateFolder(outlookSignatures)

End If

' Copy the source signature if it doesn't exist

If Not fso.FileExists(destinationSig) Then

fso.CopyFile sourceSig, destinationSig, True

processSig = True

End If

' Copy a logo (could come in handy)

If Not fso.FolderExists(outlookSignatures & "\img") Then

fso.CreateFolder(outlookSignatures & "\img")

End If

If Not fso.FileExists(outlookSignatures & "\img\logo.png") Then

fso.CopyFile source & "\img\logo.png", outlookSignatures & "\img\logo.png", True

End If

' Update destination signature if the source was modified

Set sourceFile = fso.GetFile(sourceSig)

Set destinationFile = fso.GetFile(destinationSig)

If sourceFile.DateLastModified > destinationFile.DateLastModified Then

fso.CopyFile sourceSig, destinationSig, True

processSig = True

End If

' If we need to process the signature let's build it

If processSig Then

Set desinationFileContent = fso.OpenTextFile(destinationSig, 1)

signatureContent = desinationFileContent.ReadAll

desinationFileContent.Close

' Replace the available placeholders (Format: %%placeholder%%)

signatureContent = Replace(signatureContent, "%%FirstName%%", objCurrentUser.FirstName)

signatureContent = Replace(signatureContent, "%%LastName%%", objCurrentUser.LastName)

signatureContent = Replace(signatureContent, "%%Title%%", objCurrentUser.Title)

signatureContent = Replace(signatureContent, "%%PhoneNumber%%", objCurrentUser.TelephoneNumber)

signatureContent = Replace(signatureContent, "%%MobileNumber%%", objCurrentUser.Mobile)

signatureContent = Replace(signatureContent, "%%Email%%", objCurrentUser.Mail)

Set desinationFileContent = fso.OpenTextFile(destinationSig, 2)

desinationFileContent.WriteLine signatureContent

desinationFileContent.Close

' Message to notify the user (uncomment the line below to activate)

' WScript.Echo "Your Outlook signature [name] has been updated."

End If

## Скрипт [[2]](#footnote-2)

On Error Resume Next

'Setting up the script to work with the file system.

Set WshShell = WScript.CreateObject("WScript.Shell")

Set FileSysObj = CreateObject("Scripting.FileSystemObject")

'Connecting to Active Directory to get user’s data.

Set objSysInfo = CreateObject("ADSystemInfo")

Set UserObj = GetObject("LDAP://" & objSysInfo.UserName)

strAppData = WshShell.ExpandEnvironmentStrings("%APPDATA%")

SigFolder = StrAppData & "\Microsoft\Signatures\"

SigFile = SigFolder & UserObj.sAMAccountName & ".htm"

'Setting placeholders for the signature.

strUserName = UserObj.sAMAccountName

strFullName = UserObj.displayname

strTitle = UserObj.title

strMobile = UserObj.mobile

strEmail = UserObj.mail

strCompany = UserObj.company

strOfficePhone = UserObj.telephoneNumber

'Setting global placeholders for the signature. Those values will be identical for all users - make sure to replace them with the right values!

strCompanyLogo = """https://codetwocdn.azureedge.net/images/mail-signatures/generator-dm/simplephoto-with-logo/logo.png"

strCompanyAddress1 = "16 Freedom St, Deer Hill"

strCompanyAddress2 = "58-500 Poland"

strWebsite = """https://www.my-company.com"

strFacebook = """https://www.facebook.com/"

strTwitter = """https://www.twitter.com/"

strYouTube = """https://www.youtube.com/"

strLinkedIn = """https://www.linkedin.com/"

strInstagram = """https://www.instagram.com/"

strPinterest = """https://www.pinterest.com/"

'Creating HTM signature file for the user's profile, if the file with such a name is found, it will be overwritten.

Set CreateSigFile = FileSysObj.CreateTextFile (SigFile, True, True)

'Signature’s HTML code.

CreateSigFile.WriteLine "<!DOCTYPE HTML PUBLIC " & """-//W3C//DTD HTML 4.0 Transitional//EN" & """>"

CreateSigFile.WriteLine "<HTML><HEAD><TITLE>Email Signature</TITLE>"

CreateSigFile.WriteLine "<META content=" & """text/html; charset=utf-8" & """ http-equiv=" & """Content-Type" & """>"

CreateSigFile.WriteLine "</HEAD>"

CreateSigFile.WriteLine "<BODY style=" & """font-size: 10pt; font-family: Arial, sans-serif;" & """>"

CreateSigFile.Writeline "<table style=" & """width: 420px; font-size: 10pt; font-family: Arial, sans-serif;" & """ cellpadding=" & """0" & """ cellspacing=" & """0" & """>"

CreateSigFile.Writeline "<tbody>"

CreateSigFile.Writeline "<tr>"

CreateSigFile.Writeline "<td width=" & """130" & """ style=" & """font-size: 10pt; font-family: Arial, sans-serif; border-right: 1px solid; border-right-color: #008080; width: 130px; padding-right: 10px; vertical-align: top;" & """ valign=" & """top" & """ rowspan=" & """6" & """> <a href=" & strWebsite & """ target=" & """\_blank" & """><img border=" & """0" & """ alt=" & """Logo" & """ width=" & """110" & """ style=" & """width:110px; height:auto; border:0;" & """ src=" & strCompanyLogo & """></a>"

CreateSigFile.Writeline "</td>"

CreateSigFile.Writeline "<td>"

CreateSigFile.Writeline "<table cellpadding="& """0"& """ cellspacing="& """0"& """>"

CreateSigFile.Writeline "<tbody>"

CreateSigFile.Writeline "<tr>"

CreateSigFile.Writeline "<td style="& """font-size: 10pt; color:#0079ac; font-family: Arial, sans-serif; width: 305px; padding-bottom: 5px; padding-left: 10px; vertical-align: top; line-height:25px;"& """ valign="& """top"& """>"

CreateSigFile.Writeline "<strong><span style="& """font-size: 14pt; font-family: Arial, sans-serif; color:#008080;"& """>" & strFullName & "<br></span></strong>"

CreateSigFile.Writeline "<span style="& """font-family: Arial, sans-serif; font-size:10pt; color:#545454;"& """>" & strTitle & "</span>"

CreateSigFile.Writeline "<span style="& """font-family: Arial, sans-serif; font-size:10pt; color:#545454;"& """> | </span>"

CreateSigFile.Writeline "<span style="& """font-family: Arial, sans-serif; font-size:10pt; color:#545454;"& """>" & strCompany & "</span>"

CreateSigFile.Writeline "</td>"

CreateSigFile.Writeline "</tr>"

CreateSigFile.Writeline "<tr>"

CreateSigFile.Writeline "<td style="& """font-size: 10pt; color:#444444; font-family: Arial, sans-serif; padding-bottom: 5px; padding-top: 5px; padding-left: 10px; vertical-align: top;"& """ valign="& """top"& """>"

CreateSigFile.Writeline "<span><span style="& """color: #008080;"& """><strong>m:</strong></span><span style="& """font-size: 10pt; font-family: Arial, sans-serif; color:#545454;"& """>" & strMobile & "<br></span></span>"

CreateSigFile.Writeline "<span><span style="& """color: #008080;"& """><strong>p:</strong></span><span style="& """font-size: 10pt; font-family: Arial, sans-serif; color:#545454;"& """>" & strOfficePhone & "<br></span></span>"

CreateSigFile.Writeline "<span><span style="& """color: #008080;"& """><strong>e:</strong></span><span style="& """font-size: 10pt; font-family: Arial, sans-serif; color:#545454;"& """>" & strEmail& "</span></span>"

CreateSigFile.Writeline "</td>"

CreateSigFile.Writeline "</tr>"

CreateSigFile.Writeline "<tr>"

CreateSigFile.Writeline "<td style="& """font-size: 10pt; font-family: Arial, sans-serif; padding-bottom: 5px; padding-top: 5px; padding-left: 10px; vertical-align: top; color: #0079ac;"& """ valign="& """top"& """>"

CreateSigFile.Writeline "<span style="& """font-size: 10pt; font-family: Arial, sans-serif; color: #008080;"& """>" & strCompanyAddress1 & "<span><br></span></span>"

CreateSigFile.Writeline "<span style="& """font-size: 10pt; font-family: Arial, sans-serif; color: #008080;"& """>" & strCompanyAddress2 &"</span>"

CreateSigFile.Writeline "</td>"

CreateSigFile.Writeline "</tr>"

CreateSigFile.Writeline "<tr>"

CreateSigFile.Writeline "<td style="& """font-size: 10pt; font-family: Arial, sans-serif; padding-bottom: 5px; padding-top: 5px; padding-left: 10px; vertical-align: top; color: #0079ac;"& """ valign="& """top"& """>"

CreateSigFile.Writeline "<a href="& """https://www.my-company.com"& """ target="& """\_blank"& """ rel="& """noopener"& """ style="& """text-decoration:none;"& """><span style="& """font-size: 10pt; font-family: Arial, sans-serif; color: #008080;"& """>www.my-company.com</span></a>"

CreateSigFile.Writeline "</td>"

CreateSigFile.Writeline "</tr>"

CreateSigFile.Writeline "<tr>"

CreateSigFile.Writeline "<td style="& """font-size: 10pt; font-family: Arial, sans-serif; padding-bottom: 5px; padding-top: 5px; padding-left: 10px; vertical-align: top;"& """ valign="& """top"& """>"

CreateSigFile.Writeline "<span><a href="& strFacebook & """ target="& """\_blank"& """ rel="& """noopener"& """><img border="& """0"& """ width="& """21"& """ alt="& """facebook icon"& """ style="& """border:0; height:21px; width:21px"& """ src="& """https://codetwocdn.azureedge.net/images/mail-signatures/generator-dm/simplephoto-with-logo/fb.png"& """></a>&nbsp;</span><span><a href="& strTwitter & """ target="& """\_blank"& """ rel="& """noopener"& """><img border="& """0"& """ width="& """21"& """ alt="& """twitter icon"& """ style="& """border:0; height:21px; width:21px"& """ src="& """https://codetwocdn.azureedge.net/images/mail-signatures/generator-dm/simplephoto-with-logo/tt.png"& """></a>&nbsp;</span><span><a href="& strYouTube & """ target="& """\_blank"& """ rel="& """noopener"& """><img border="& """0"& """ width="& """21"& """ alt="& """youtube icon"& """ style="& """border:0; height:21px; width:21px"& """ src="& """https://codetwocdn.azureedge.net/images/mail-signatures/generator-dm/simplephoto-with-logo/yt.png"& """></a>&nbsp;</span><span><a href="& strLinkedIn & """ target="& """\_blank"& """ rel="& """noopener"& """><img border="& """0"& """ width="& """21"& """ alt="& """linkedin icon"&

""" style="& """border:0; height:21px; width:21px"& """ src="& """https://codetwocdn.azureedge.net/images/mail-signatures/generator-dm/simplephoto-with-logo/ln.png"& """></a>&nbsp;</span><span><a href="& strInstagram & """ target="& """\_blank"& """ rel="& """noopener"& """><img border="& """0"& """ width="& """21"& """ alt="& """instagram icon"& """ style="& """border:0; height:21px; width:21px"& """ src="& """https://codetwocdn.azureedge.net/images/mail-signatures/generator-dm/simplephoto-with-logo/it.png"& """></a>&nbsp;</span><span><a href="& strPinterest & """ target="& """\_blank"& """ rel="& """noopener"& """><img border="& """0"& """ width="& """21"& """ alt="& """pinterest icon"& """ style="& """border:0; height:21px; width:21px"& """ src="& """https://codetwocdn.azureedge.net/images/mail-signatures/generator-dm/simplephoto-with-logo/pt.png"& """></a></span>"

CreateSigFile.Writeline "</td>"

CreateSigFile.Writeline "</tr>"

CreateSigFile.Close

'Applying the signature in Outlook’s settings.

Set objWord = CreateObject("Word.Application")

Set objSignatureObjects = objWord.EmailOptions.EmailSignature

'Setting the signature as default for new messages.

objSignatureObjects.NewMessageSignature = strUserName & "1"

'Setting the signature as default for replies & forwards.

objSignatureObjects.ReplyMessageSignature = strUserName & "1"

objWord.Quit

В тому самому дописі про скрипти для генерування підписів наведена інструкція по роботі із груповими політиками, для того щоб встановити створений скрипт при загрузці операційної системи. Див. [Create Outlook HTML email signatures for all users with VBScript (codetwo.com)](https://www.codetwo.com/admins-blog/vbscript-create-an-html-outlook-email-signature-for-the-whole-company/#:~:text=Save%20the%20file%20with%20a,the%20list%20of%20available%20signatures.)

Створення підпису без даних Active Directory розглядалось в [[3]](#footnote-3)

# Powershell

Огляд створення підписів є в [[4]](#footnote-4) та в [[5]](#footnote-5)

# Посилання

1. [Автоматическая генерация подписи на основе данных из AD в Outlook | Заметки ИТ-шника (vanyukov.su)](https://vanyukov.su/tech/automatic-outlook-signature-generation/)
2. [Автоматическое создание и подстановка подписи в Outlook 2003/2007 на основе данных AD. - Про ИТ и не только (mcp.su)](https://mcp.su/exchange/outlook-signature/)
3. [Делаем единый шаблон подписи в письме Outlook через GPO (pcreal.ru)](http://www.pcreal.ru/server/968-podpis-outlook-gpo.html)
4. [Скрипт создания корпоративной подписи и наведения порядка в MS Outlook (github.com)](https://gist.github.com/palikhov/90e70db0470e4f9f20abf7409db42558)
5. [Outlook signature based on user information from Active Directory « blog.powershell.no (wordpress.com)](https://janegilring.wordpress.com/2010/01/09/outlook-signature-based-on-user-information-from-active-directory/)
6. [Free Automated Outlook Signatures Script Guide - YouTube](https://www.youtube.com/watch?v=rt9y02iBoPE)
7. [VBS for Outlook Signature - Petri](https://petri.com/forums/topic/vbs-for-outlook-signature)
8. [palikhov/AutomatedOutlookSignature: PowerShell script to automate the creation of Outlook signatures using Active Directory attributes. (github.com)](https://github.com/palikhov/AutomatedOutlookSignature)
9. [Insert or change an Outlook signature using VBA (slipstick.com)](https://www.slipstick.com/developer/code-samples/insert-signature-vba/)
10. [Active Directory Automatic Outlook Signature (syslab.network)](https://www.syslab.network/index.php/vbscripts/ad-automatic-outlook-signature/)
11. [Automated Signatures with Outlook and Active Directory | Paolo Santiangeli](https://www.santiangeli.it/automated-signatures-with-outlook-and-active-directory/)

1. [Script VBS to create a new signature for outlook (microsoft.com)](https://social.technet.microsoft.com/Forums/en-US/c418f4f2-66a2-4fbd-bda6-8fdaeafd6706/script-vbs-to-create-a-new-signature-for-outlook?forum=ITCG) [↑](#footnote-ref-1)
2. [Create Outlook HTML email signatures for all users with VBScript (codetwo.com)](https://www.codetwo.com/admins-blog/vbscript-create-an-html-outlook-email-signature-for-the-whole-company/#:~:text=Save%20the%20file%20with%20a,the%20list%20of%20available%20signatures.) [↑](#footnote-ref-2)
3. [Формирование подписи по шаблону в Outlook для организации, на компьютерах вне домена / Хабр (habr.com)](https://habr.com/ru/post/354430/) [↑](#footnote-ref-3)
4. [Автоматическая подпись в Outlook с помощью Powershell и GPO / Песочница / Хабр (habr.com)](https://habr.com/ru/sandbox/84137/) [↑](#footnote-ref-4)
5. [Автоматическое создание подписи в Outlook 2010/2013 с помощью PowerShell | Windows для системных администраторов (winitpro.ru)](https://winitpro.ru/index.php/2017/01/24/avtomaticheskoe-sozdanie-podpisi-v-outlook-20102013-s-pomoshhyu-powershell/) [↑](#footnote-ref-5)