Add new metadata properties to a file

this will only work with NTFS.

One way is creating ADS streams: See the edit history.

Another way is using the DSOFile-Library, which is intended to work on Office files only. But it works on every file.

First of all download the library here (x64+x86): <https://www.microsoft.com/en-us/download/details.aspx?id=8422>

There's also a 64bit version avaliable: [How to read custom file properties in c#](https://stackoverflow.com/questions/3016888/how-to-read-custom-file-properties-in-c-sharp)

Then create a refernce to the COM DLL in your project (Right click on the solution -> Add reference -> COM tab -> Add "DSO OLE Document Property Reader v2.1") and use the namespace:

using DSOFile;

After that you can create your own attributes:

First of all open the file:

OleDocumentProperties myFile = new DSOFile.OleDocumentProperties();

myFile.Open(@"MYPATHHERE", false, DSOFile.dsoFileOpenOptions.dsoOptionDefault);

Create a object for yourValue: object yourValue = "Your Value";

Then check if there's already a property like the one you want to create:

foreach (DSOFile.CustomProperty property in myFile.CustomProperties)

{

if (property.Name == "Your Property Name"){

//Property exists

//End the task here (return;) oder edit the property

property.set\_Value(yourValue);

}

}

Then after checking for existing attributes, you can add the attribute:

myFile.CustomProperties.Add("Your Property Name", ref yourValue);

To finish the task, save and close the file:

myFile.Save();

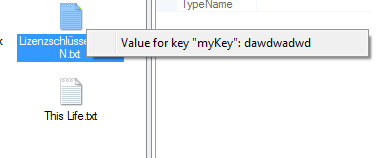
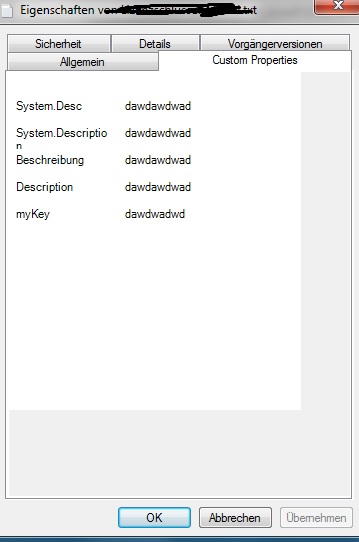
myFile.Close(true);

You can download a [sample project on my homepage](http://www.abouchleih.com/wp-content/uploads/CustomFileProperties.zip).

Now to the part of showing the attributes in the explorer.

You have to create a shell extension for that. For more info on that, visit [the Codeproject page](http://www.codeproject.com/Articles/512956/NET-Shell-Extensions-Shell-Context-Menus).

I created one, [you can download it here.](http://www.abouchleih.com/wp-content/uploads/CustomPropertyExtension.zip) But you have to sign it again (look for a "how-to" on the mentioned page).

It will look like that, when right-clicking on a .css/.js/.txt-file:   
Or create your own properties tab:  


## Introduction

64 bit application cannot use DSOfile. So I have compiled DSOfile to x64 version and it can be used now in 64 bit application.

## Background

The original DSOfile can be download from [here](https://support.microsoft.com/en-gb/kb/224351).

Or visit: https://support.microsoft.com/en-gb/kb/224351

## Using the Code

1. Download [zip file](https://www.codeproject.com/KB/vista/1118708/DsoFileSetup_KB224351_x64.zip) (64.2 KB) or visit : https://www.codeproject.com/KB/vista/1118708/DsoFileSetup\_KB224351\_x64.zip
2. Unzip the file.
3. Run as Administrator Install.bat.  
   The script will copy dsofile\_x64.dll to %WINDIR%\SysWOW64 and will register it.
4. Add reference to your project: "DSO OLE Document Properties Reader 2.1"

VBA example of using DSOfile[:](http://www.codeproject.com/Questions/485175/windowsplus-plusdoesn-tplussuppotplusDSOfile)

Hide   Copy Code

Private Function fnFileTitle(ByVal strFileName As String) As String

On Error GoTo OnError

Dim oOleDocProp

*'Set oOleDocProp = New DSOFile.OleDocumentProperties*

Set oOleDocProp = CreateObject("DSOFile.OleDocumentProperties")

oOleDocProp.Open (strFileName)

fnFileTitle = oOleDocProp.SummaryProperties.Title

oOleDocProp.Close

If Not oOleDocProp Is Nothing Then Set oOleDocProp = Nothing

Exit Function

OnError:

MsgBox Err.Number & " - " & Err.Description

Resume Next

End Function

## Or Use below file

1. 
2. 
3. 

## Other information

<https://dzone.com/articles/tips-using-dsofile-x64-os-and>

<https://stackoverflow.com/questions/19947887/add-new-metadata-properties-to-a-file>