## Automating Excel to generate reports out of TM1:

## Technical requirements / things to check if it does not work

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Source: <https://www.tm1forum.com/posting.php?mode=reply&f=3&t=14562>

* Obviously, have Excel installed on the server or the machine that is used to generate the report. Ideally Excel must be closed when the code is executed.
* Compatibility mode can be lowered
* Give permissions for Excel in Component Services:
  + Go to: Control Panel 🡺 Administrative Tools 🡺 Component Services 🡺 Computers 🡺 My Computer 🡺 DCOM Config 🡺 Microsoft Excel Application (\*) 🡺 Properties 🡺 Identity and select "The interactive user" option.  
    Alternatively, select the user under which the Scheduled Task runs (the task that opens a vbscript / Excel file that creates the report), enter credentials
  + (\*) In case the Microsoft Excel Application is missing in the list of applications: <https://blogs.technet.microsoft.com/the_microsoft_excel_support_team_blog/2012/11/12/microsoft-excel-or-microsoft-word-does-not-appear-in-dcom-configuration-snap-in/>
  + Run: MMC comexp.msc /32 (cd C:\Windows\SysWOW64)
  + Right-mouse click on 'My Computer' 🡺 Properties 🡺 COM Security tab
  + In Access Permissions, click "Edit Default" and add 'Network Service' to it and give it "Allow local access" permission.
  + In launch and Activation Permissions, click "Edit Default" and add Network Service to it and give it "Local launch" and "Local Activation" permission.
  + In DCOMCNFG where you see your list of applications, Refresh the list
* 2 directories should exist. Even if they would already exist, delete them and recreate them with the TM1 service account. See: <http://www.tm1forum.com/viewtopic.php?f=3&t=7697#p34024> and also the information contained here: <http://forums.techarena.in/windows-security/1297117.htm>. It depends on the Office bitness (32 bit or 64 bit) – or just create both folders to be sure:
  + 'C:\Windows\System32\config\systemprofile\Desktop\'
  + 'C:\Windows\SysWOW64\config\systemprofile\Desktop\'
* You need to assign the rights on these folders. This depends again on the bitness of the Office version – but be safe and just grant all rights below:

|  |  |
| --- | --- |
| Folder | Needed rights |
| C:\Windows\System32\config\systemprofile\Desktop | Read & Execute, List folder contents, Read |
| C:\Windows\System32\config\systemprofile\AppData\Roaming\Microsoft | Modify, Read & Execute, List Folder Content, Read, Write |
| C:\Windows\System32\config\systemprofile\AppData\Local\Microsoft | Modify, Read & Execute, List Folder Content, Read, Write |

|  |  |
| --- | --- |
| Map | Benodigde rechten |
| C:\Windows\SysWOW64\config\systemprofile\Desktop | Read & Execute, List folder contents, Read |
| C:\Windows\SysWOW64\config\systemprofile\AppData\Roaming\Microsoft | Modify, Read & Execute, List Folder Content, Read, Write |
| C:\Windows\SysWOW64\config\systemprofile\AppData\Local\Microsoft | Modify, Read & Execute, List Folder Content, Read, Write |