

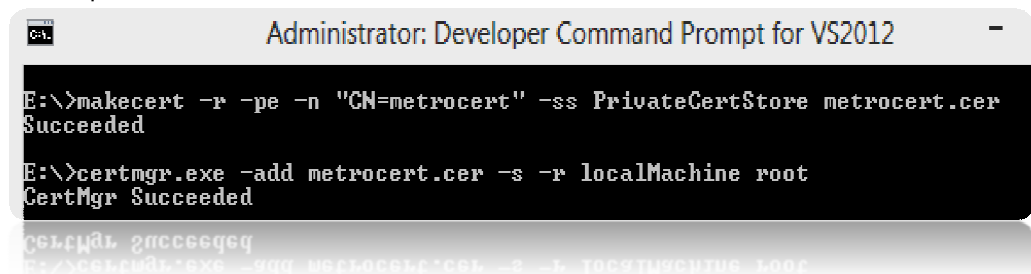
# METRO TOPPER: GUIDE FOR TESTING

This guide explains, step-by-step, how to test **wpfTopper.exe** aka *Metro Topper*. All care had been taken while writing steps but author will not be responsible for any sort of damage caused to your system while testing.

## STEPS:

### 1. Create certificate to be used later:

- Right click on Command Prompt and select *Run as Administrator*.
- Browse to folder where you want to create copy of certificate.
- Execute following commands (*one by one exactly*):
  - i. `makecert -r -pe -n "CN=metrocert" -ss PrivateCertStore metrocert.cer`
  - ii. `certmgr.exe -add metrocert.cer -s -r localMachine root`
- See snapshot for command view:



```
Administrator: Developer Command Prompt for VS2012

E:\>makecert -r -pe -n "CN=metrocert" -ss PrivateCertStore metrocert.cer
Succeeded

E:\>certmgr.exe -add metrocert.cer -s -r localMachine root
CertMgr Succeeded
```

### 2. Sign your file (both *WpfTopper.exe* and *Hardcodet.Wpf.TaskbarNotification.dll*)

- Right click on Command Prompt and select *Run as Administrator*.
- Browse to location of respective .exe and .dll files.
- Execute following command (*one by one exactly*):
  - i. `SignTool sign /v /s PrivateCertStore /n "metrocert" /t http://timestamp.verisign.com/scripts/timestamp.dll wpftopper.exe`
  - ii. `SignTool sign /v /s PrivateCertStore /n "metrocert" /t http://timestamp.verisign.com/scripts/timestamp.dll Hardcodet.Wpf.TaskbarNotification.dll`
- See snapshot for command view:



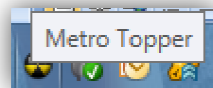
```
Administrator: Developer Command Prompt for VS2012

E:\>SignTool sign /v /s PrivateCertStore /n "metrocert" /t http://timestamp.verisign.com/scripts/timestamp.dll wpftopper.exe
The following certificate was selected:
    Issued to: metrocert
    Issued by: metrocert
    Expires:   Sun Jan 01 05:29:59 2040
    SHA1 hash: 30BD6C69C1118FD38CA4C96E1617FF37C7465CAF

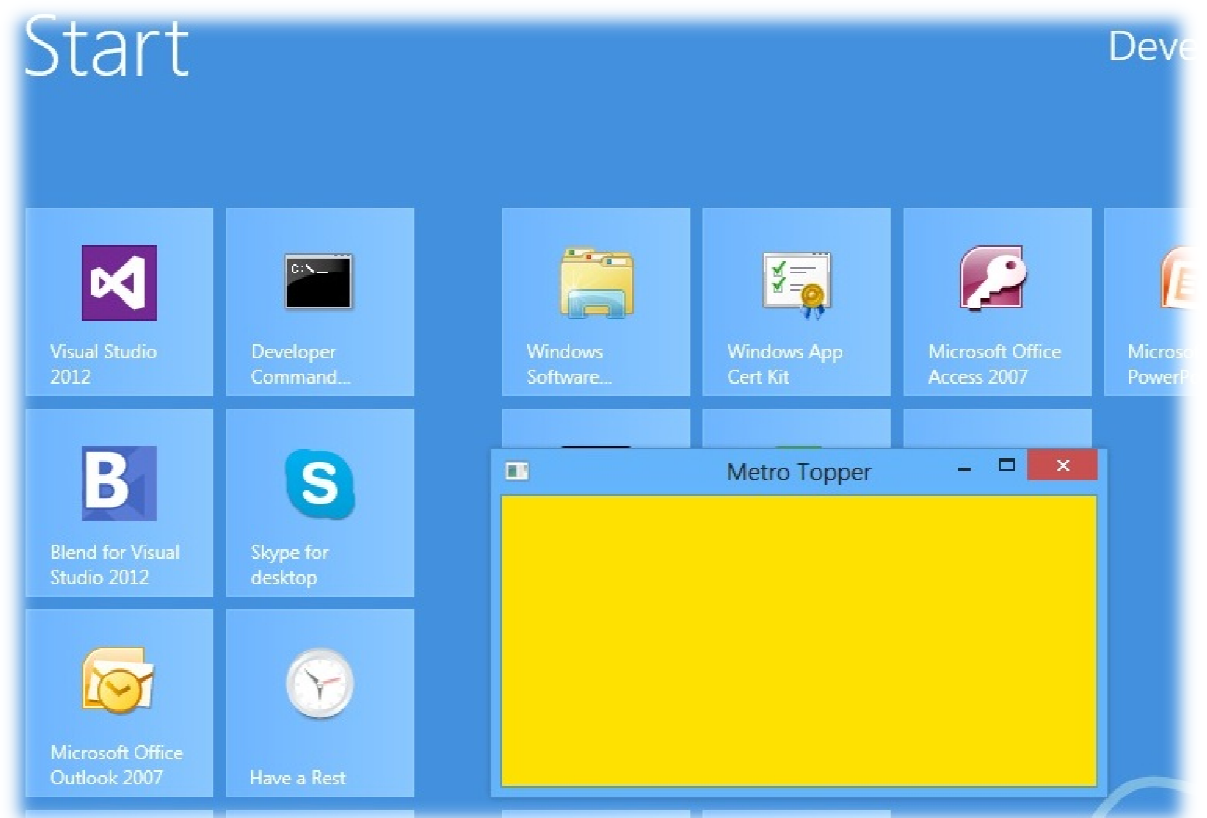
Done Adding Additional Store
Successfully signed: WpfTopper.exe

Number of files successfully Signed: 1
Number of warnings: 0
Number of errors: 0
```

3. Copy both signed files in C:\Program Files. We copied these files here because these locations are treated as trusted location.
4. Run the .exe file. *I am logged in by Administrator account and testing by same. However earlier .exe was throwing UAC to me also. This time resolved.* The application starts in Hidden state with icon in tray as shown:



5. Bring metro style in front, covering entire desktop, by clicking *Start*. Now use key combination *Ctrl+Shift+Enter* together to bring *Metro Topper* above metro style. It will appear as shown below:



6. Repeat key combination *Ctrl+Shift+Enter* together to hide *Metro Topper*.