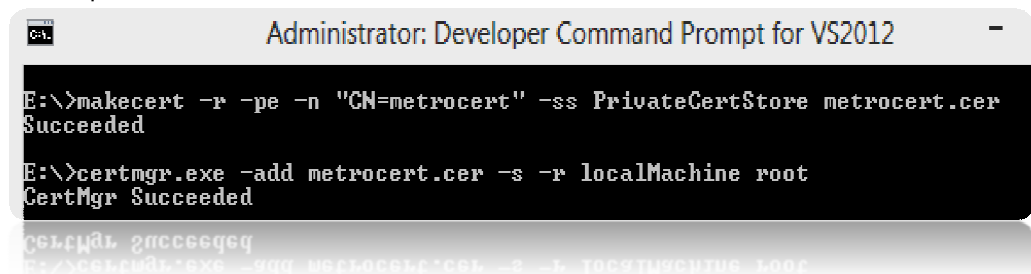# METRO TOPPER: GUIDE FOR TESTING

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:

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`
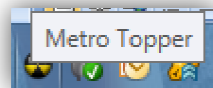   - See snapshot for command view:

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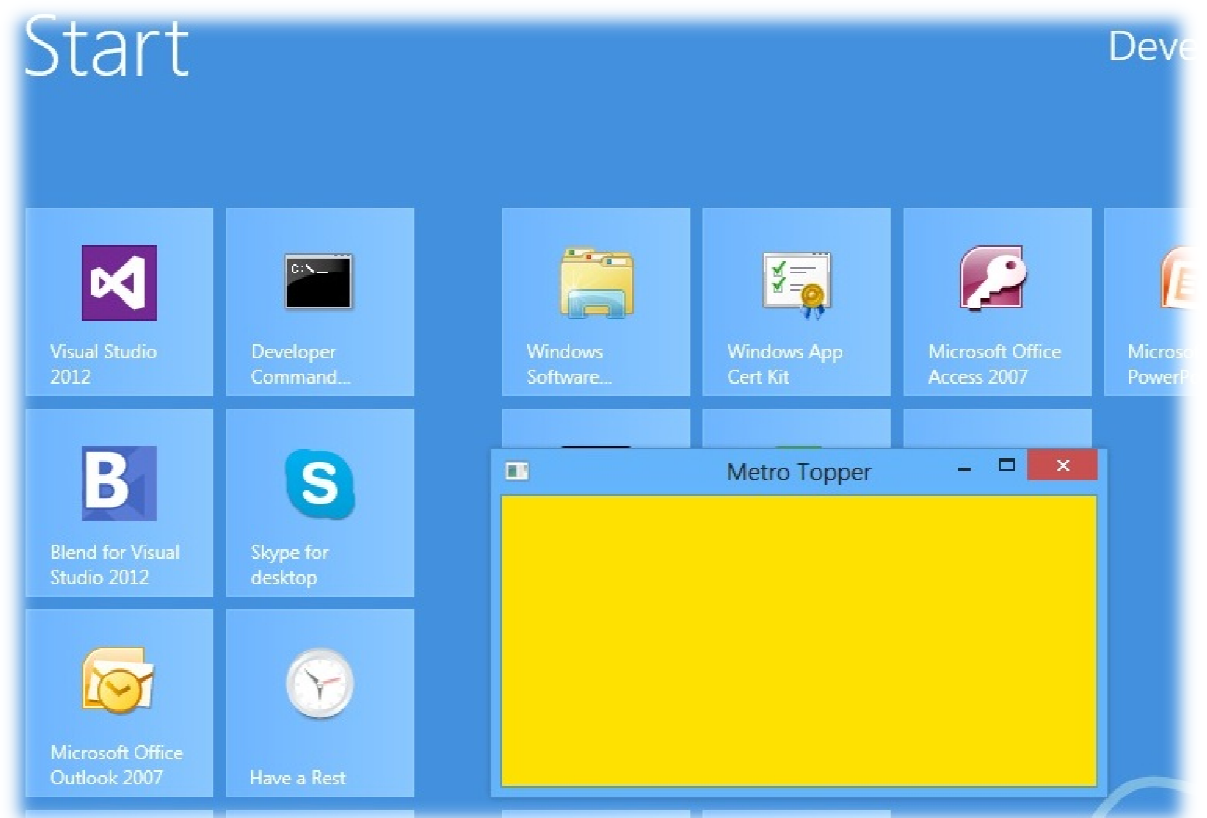
6. Repeat key combination *Ctrl+Shift+Enter* together to hide *Metro Topper*.

By: Vikram Singh Saini
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