How to install OPNET Modeler 14.5 on Windows 7

Requirements:

Microsoft Visual Studio 2010

And the following files:

(Notice: If you use other sources than the ones brought to you in this semester (i.e. Fall 1390), check the files. For this purpose, try to execute them. The errors like "InstallAnywhere : Please select another location to extract the installer to" show that your files unfortunately are the corrupted ones!)

- modeler_145A_PL8_7808_win
- modeler_docs_02-Sep-2008_win
- models_145A_PL8_24Sep08_win

Through this text it has been assumed that you've installed Microsoft Visual Studio 2010 in the following address: "C:\Program Files (x86)\Microsoft Visual Studio 10.0" which is the default installation address. So check this folder to be sure of its existence. If not, replace it with your installation address through the text.
If your OS is a 32-bit one you will find no "Program Files (x86)" folder. It's normal, just replace above path with your Microsoft Visual Studio 10.0 installation path.

1.
  1.1- Run "modeler_145A_PL8_7808_win"---- you will see this warning (it shows you're on the right way):
      "A compiler was found, but is not configured properly"
      Click yes button.
  1.2- Use this location to install OPNET: C:\OPNET   (If you're going to use another path REMEMBER to replace the C:\OPNET with the one you've chosen in *Step 4*). Click Next.
  1.3- Another Next!
  1.4- Select Standalone version and Click Next.
  1.5- Check all three boxes: ACE Capture files – OPNET Model Files - OPNET Project Files, and Click Next.
  1.6- Click Install.
  1.7- Click Done.
2.
  2.1- Run "modeler_docs_02-Sep-2008_win".
  2.2- Just go with Nexts.
3.
  3.1- Run "models_145A_PL8_24Sep08_win".
  3.2- Just go with Nexts.

4. Now we're going to change the Environment Variables:
   To access Environment Variables in Windows 7 do the followings:
- Click Start. Right click on Computer and select properties.
- Now click on Advanced system setting (there is in the left blue side bar).
- Now go to Advanced Tab.
- Click on the Environment Variables button.

Now you can create or edit an environment variable.

Important: You will see two New, Edit and Delete buttons, we will use lower ones (it means we're going to edit or create system variables).
Notice 1: If some variable names already exist, use Edit and if not, use New button.
Notice 2: C:/Windows, shows your windows installation Path. If it's different change it. (The paths are not case sensitive.)

Import these 12 system variables:

1. DevEnvDir
   C:\Program Files (x86)\Microsoft Visual Studio 10.0\Common7\IDE;
2. Framework35Version
   v3.5;
3. FrameworkDir
   C:\WINDOWS\Microsoft.NET\Framework;
4. FrameworkVersion
   v2.0.50727;
5. INCLUDE
   C:\Program Files (x86)\Microsoft Visual Studio 10.0\VC\ATLMFC\INCLUDE;C:\Program Files (x86)\Microsoft Visual Studio 10.0\VC\INCLUDE;C:\Program Files (x86)\Microsoft SDKs\Windows\v7.0A\Include;
6. LIB
   C:\Program Files (x86)\Microsoft Visual Studio 10.0\VC\atlmfc\lib;C:\Program Files (x86)\Microsoft Visual Studio 10.0\VC\lib;C:\Program Files (x86)\Microsoft SDKs\Windows\v7.0A\Lib;
7. LIBPATH
   C:\WINDOWS\Microsoft.NET\Framework\v3.5;C:\WINDOWS\Microsoft.NET\Framework\v2.0.50727;C:\Program Files (x86)\Microsoft Visual Studio 10.0\VC\ATLMFC\LIB;C:\Program Files (x86)\Microsoft Visual Studio 10.0\VC\LIB;

8. Path

   ;C:\Program Files (x86)\Microsoft Visual Studio
   10.0\VC\BIN;C:\WINDOWS\Microsoft.NET\Framework\v3.5;C:\WINDOWS\Micr
   osoft.NET\Framework\v2.0.50727;C:\Program Files (x86)\Microsoft Visual
   Studio 10.0\VC\VCPackages;C:\Program Files (x86)\Microsoft Visual Studio
   10.0\Common7\IDE;C:\Program Files (x86)\Microsoft Visual Studio
   10.0\Common7\Tools;C:\Program Files (x86)\Microsoft
   SDKs\Windows\v7.0A\Bin;

   Notice: probably this variable already exists in your variables. For the ones like this,
   remember to write the first semicolon (;).

9. VCINSTALLDIR

   C:\Program Files (x86)\Microsoft Visual Studio 10.0\VC

10. VS100COMNTOOLS

   C:\Program Files (x86)\Microsoft Visual Studio 10.0\Common7\Tools\

11. VSINSTALLDIR

   C:\Program Files (x86)\Microsoft Visual Studio 10.0

12. WindowsSdkDir

   C:\Program Files (x86)\Microsoft SDKs\Windows\v7.0A;

5. Use License Maker (crack file)

6. Now go to start → OPNET modeler 14.5 folder and Open OPNET modeler 14.5, you probably
   will see this message:
   "License Not Obtained
   Could not obtain a license for (OPNET Modeler) …"

   Do not panic! Just click on Quit.
   Now right click on OPNET modeler 14.5 and select *run as administrator*.
   And click on "I ACCEPT" in RESTRICTED USE AGREEMENT.

7. Test your OPNET:
   File - > Open - > {Go to C:\OPNET\14.5.A\models\tutorial_ref\modeler } - > Select
   ethcoax_net_ref
   Now:
   Scenarios - > Scenario Component - > Import - > {At Top} Select Simulation Sequence
   {Instead of Network Model} Then Select ethcoax_net_ref-scenario 1 - > Click OK.
   Go to DES - > Configure/Run Discrete Event Simulation (Advanced)

In the new window:

Right Click on scenario (1 run) - > Execute Selected Runs in Set

Now simulation starts.

This message "Simulation Completed – Collating Results" shows you have installed OPNET modeler successfully.

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