

Procedure to upgrade your OpenDSS copy to OpenDSS-PM

Davis Montenegro
Revised V1.0, 01-31-2017

OpenDSS-PM (Parallel Machine) is the new version of OpenDSS that offers a new set of functions to perform parallel computing. This version is under development but it can be downloaded by the users to test it and help us to debug the possible issues present in this version.

OpenDSS-PM can work as the classic version of OpenDSS, the commands needed to enable/disable advance computing features can be found in the package documentation: https://sourceforge.net/p/electricdss/code/HEAD/tree/trunk/Parallel_Version/Doc/User_Instructions_for_Parallel_Processing.docx.

To upgrade your OpenDSS copy to OpenDSS-PM is a manual process. First, download the necessary files for the corresponding Operating System (OS). These files are OpenDSS.exe and OpenDSSEngine.dll. For 64 bit OS these can be downloaded from:

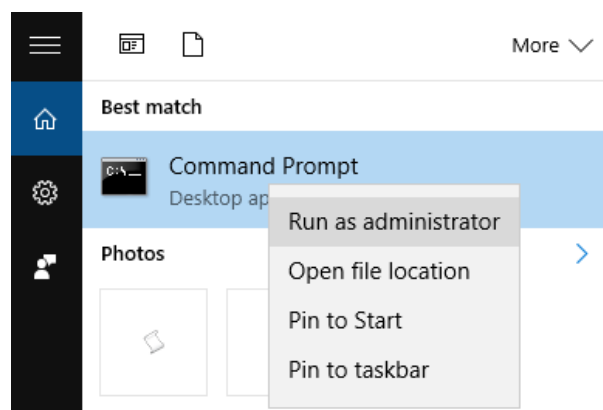
https://sourceforge.net/p/electricdss/code/HEAD/tree/trunk/Parallel_Version/Source/x64/

For 32 bit:

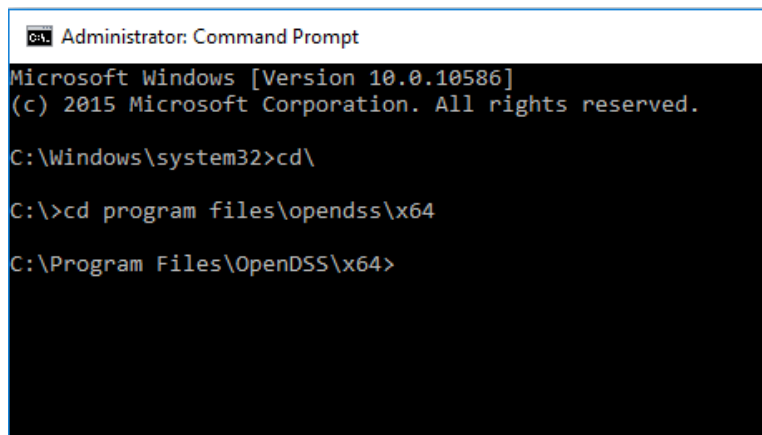
https://sourceforge.net/p/electricdss/code/HEAD/tree/trunk/Parallel_Version/Source/x86/

Once you have downloaded these files proceed to replace them in your local OpenDSS installation folder (normally is C:\Program Files\OpenDSS\x64 or C:\Program Files\OpenDSS\x86).

To register the new interfaces of the COM interface execute the command prompt as administrator (right click over the direct access and select *Run as Administrator*).



Then from the Command prompt window go to the OpenDSS installation folder as follows:



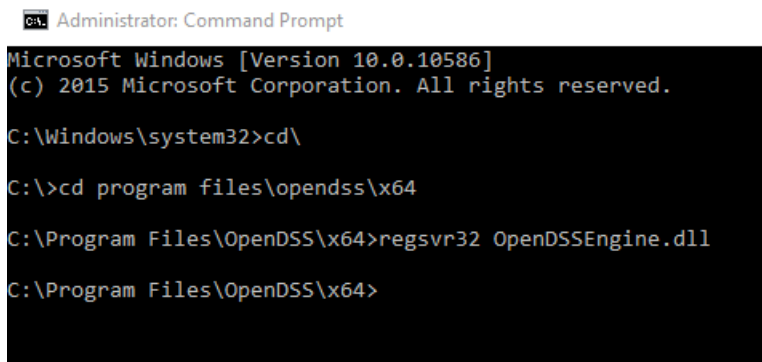
```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Windows\system32>cd\

C:\>cd program files\opendss\x64

C:\Program Files\OpenDSS\x64>
```

Finally, register the OpenDSSEngine.dll using the command regsvr32



```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Windows\system32>cd\

C:\>cd program files\opendss\x64

C:\Program Files\OpenDSS\x64>regsvr32 OpenDSSEngine.dll

C:\Program Files\OpenDSS\x64>
```

If everything went well, the system should return the following message:

