SuperQuant node installation

Installation process

1. Close Proteome Discoverer if it is open.
2. Copy the node dll file (**SuperQuantNode.dll**) and exclusion list file (**cf.exclude**) to the folder with Proteome Discoverer. The default location is:
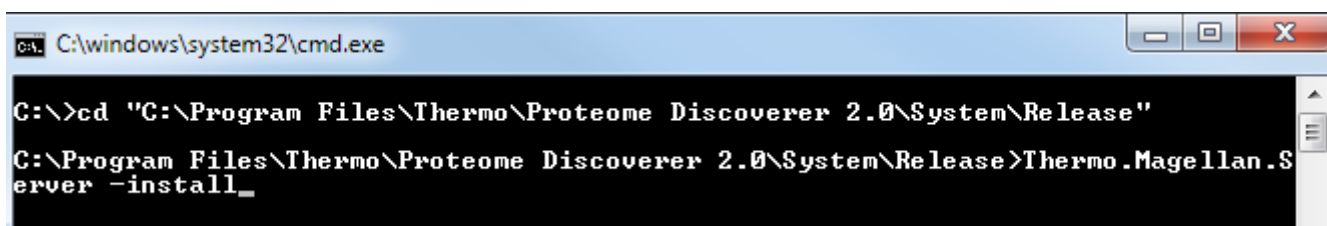
   `C:\Program Files\Thermo\Proteome Discoverer 2.0\System\Release`

   The path on your system might be slightly different. You might need to use administrator account to copy the files.
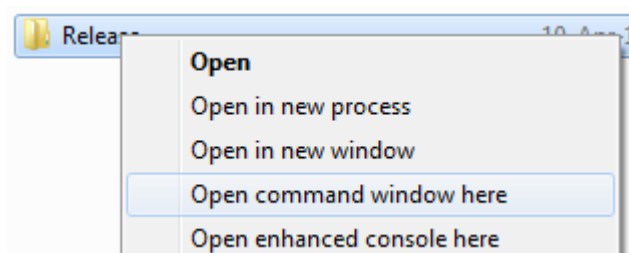3. Use either of two options (step 4) or (step 5).

4. Step 4

   a. Open the command window and move to the Proteome Discoverer folder.
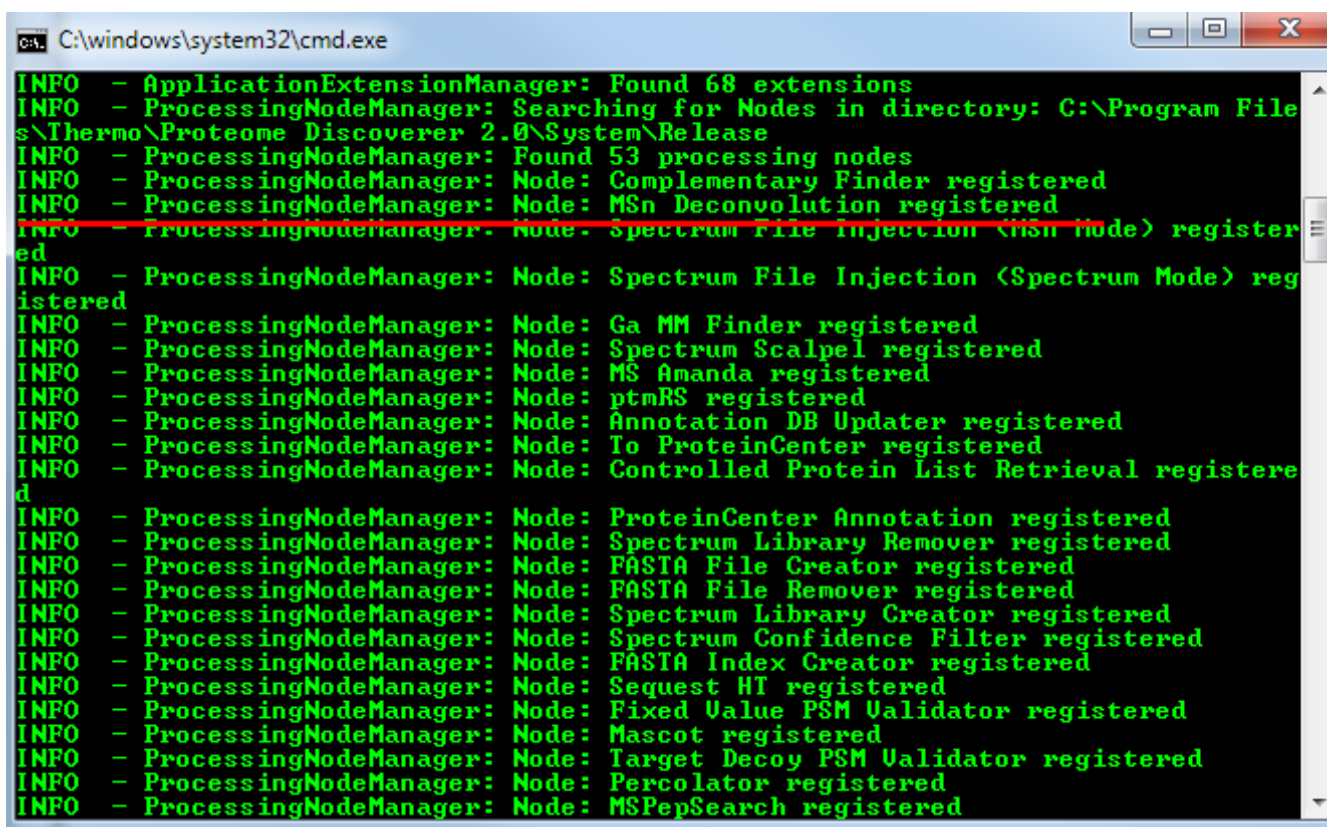

   In Windows Explorer you can use Shift + right click on the folder and select **Open command window here**. The default location is mentioned at step 1.

   b. Run the following command

   Thermo. Magel l an. Server –i nstal l

   c. You should see the console window with the list of all nodes found in the system. You should see **Complementary Finder** and **MSn Deconvolution** nodes in the list.

NOTE:

In some cases the execution of the command results in the following warning and the installation fails

WARN [1] Services.ProcessingNodeManager - Could not load this assembly "SuperQuantNode.dll" since the following exception is raised
 System.IO.FileLoadException: Could not load file or assembly 'file:///C:\Program Files\Thermo\Proteome Discoverer 2.0\System\Release\SuperQuantNode.dll' or one of its dependencies. Operation is not supported. (Exception from HRESULT: 0x80131515)
File name: 'file:///C:\Program Files\Thermo\Proteome Discoverer 2.0\System\Release\SuperQuantNode.dll' ---> System.NotSupportedException: An attempt was made to load an assembly from a network location which would have caused the assembly to be sandboxed in previous versions of the .NET Framework. This release of the .NET Framework does not enable CAS policy by default, so this load may be dangerous. If this load is not intended to sandbox the assembly, please enable the loadFromRemoteSources switch. See http://go.microsoft.com/fwlink/?LinkId=155569 for more information.

The reason is the policy of .NET environment that prevents libraries downloaded from web sources to be executed. To override this policy you should add the following line to `Thermo.Magellan.Server.exe.config` file that could be found in the Proteome Discoverer folder. Since this is XML file you should put it in `<configuration>` `<runtime>` section of it.

`<loadFromRemoteSources enabled="true"/>`

The final result should similar to this.

```
<configuration>
  <configSections>
    (Some lines of text)
  </configSections>

  <runtime>
    <gcServer enabled="true"/>
    <assemblyBinding xmlns="urn:schemas-microsoft-com:asm.v1">
      (Some lines of text)
    </assemblyBinding>

    <loadFromRemoteSources enabled="true"/>

  </runtime>
  (A lot of lines of text)
```
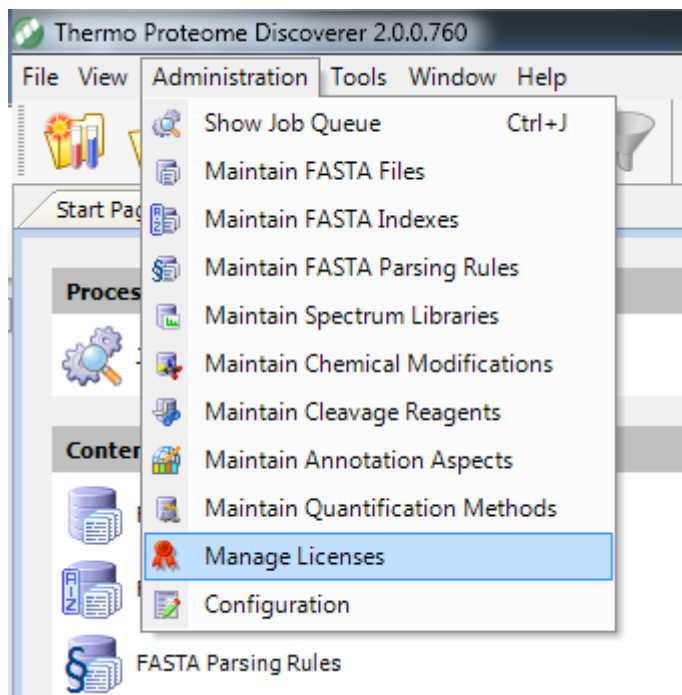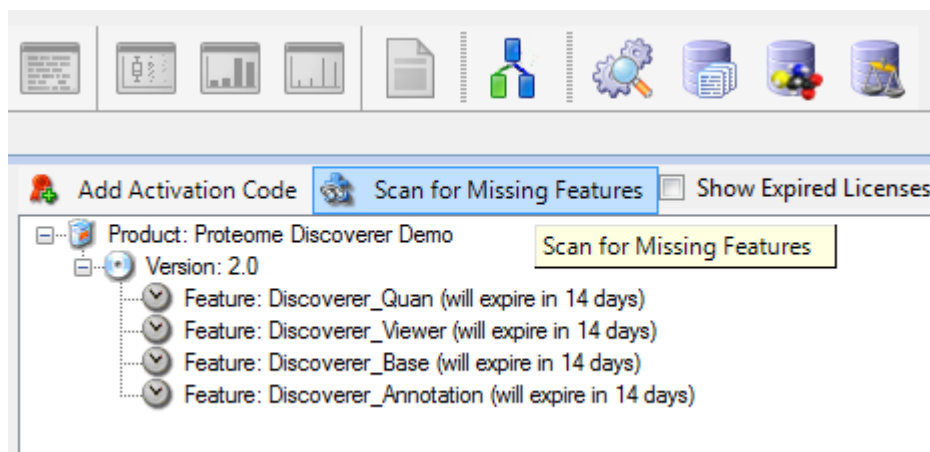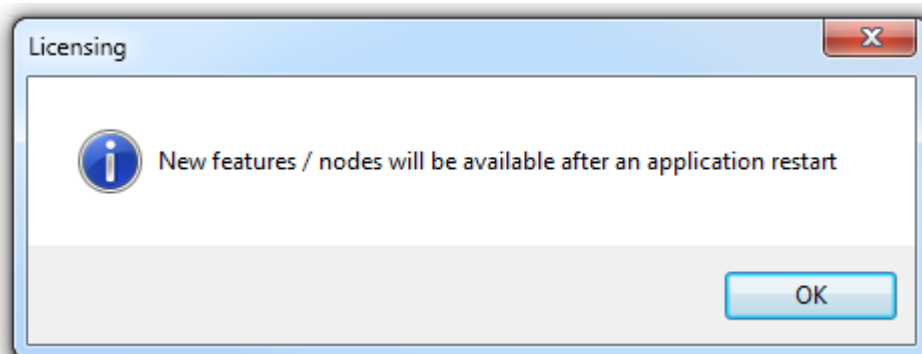
5. Step 5

   a.   Run Proteome Discoverer.

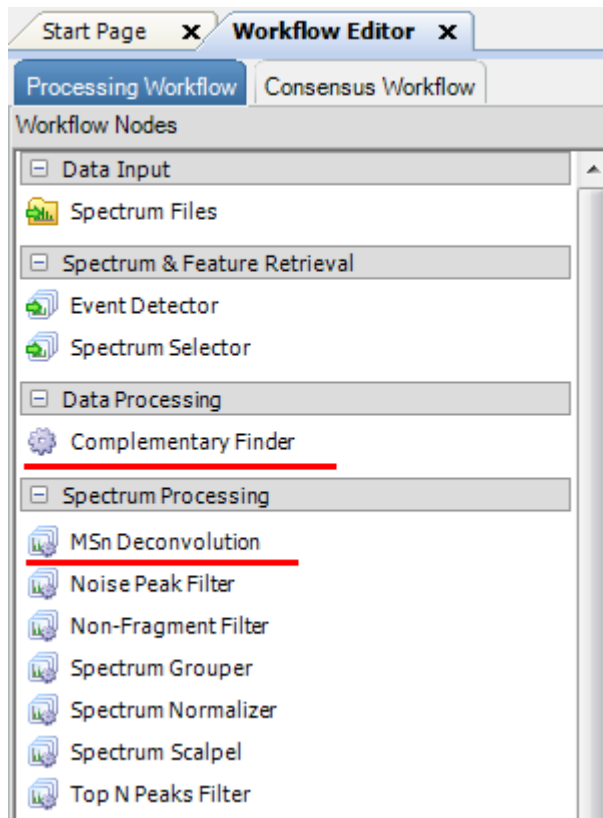   b.   In the main menu open **Administration** and then find **Manage Licenses**.

   c.   Click **Scan for Missing Features** on the top of the window.

   d.   After a while you will see the following notification

6. Restart Proteome Discoverer

7. You should find two new processing nodes: **Complementary Finder** and **MSn Deconvolution**

8. If you used Step 5 and can't see the nodes in the list afterwards, consider reading NOTE from the step 4.