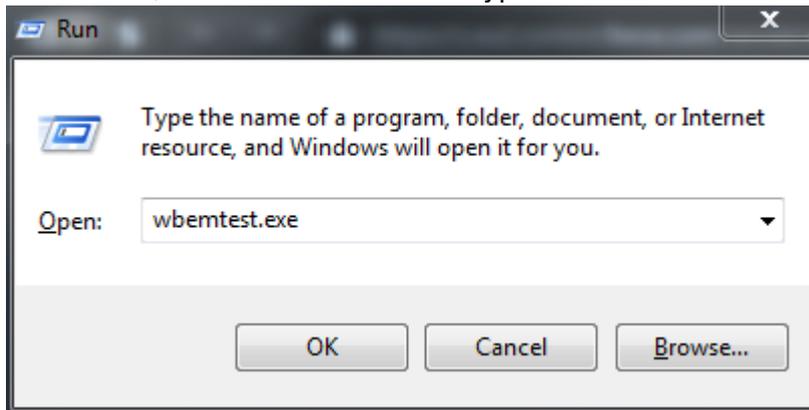


Create a Performance Counter for a custom WMI class

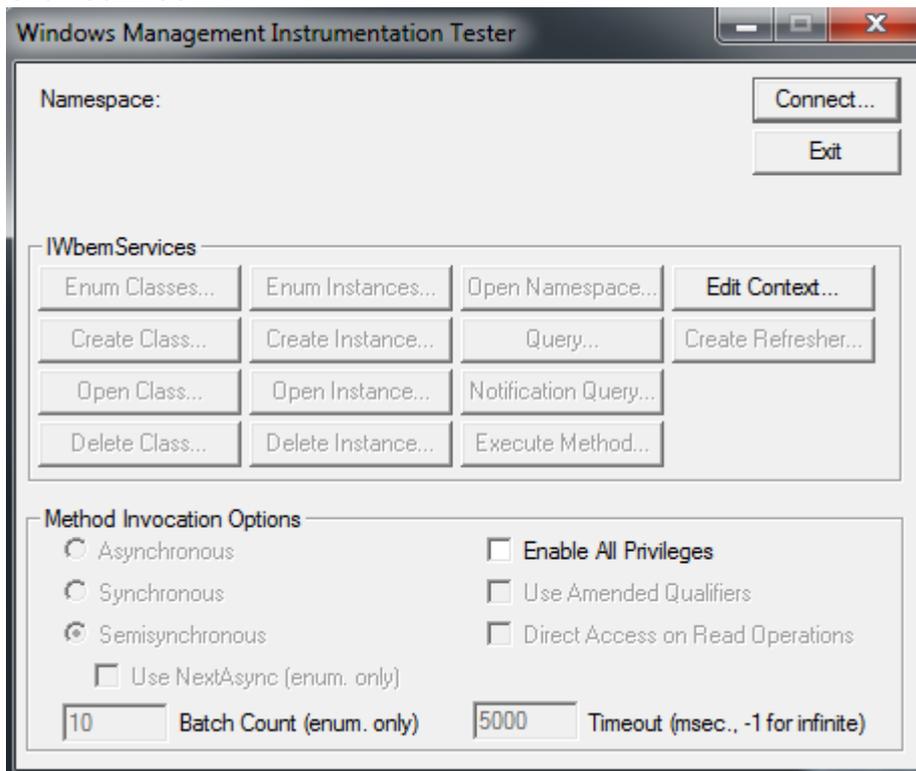
<https://campus.barracuda.com/doc/98217284/>

Please follow these steps to create a performance counter for a custom WMI class.

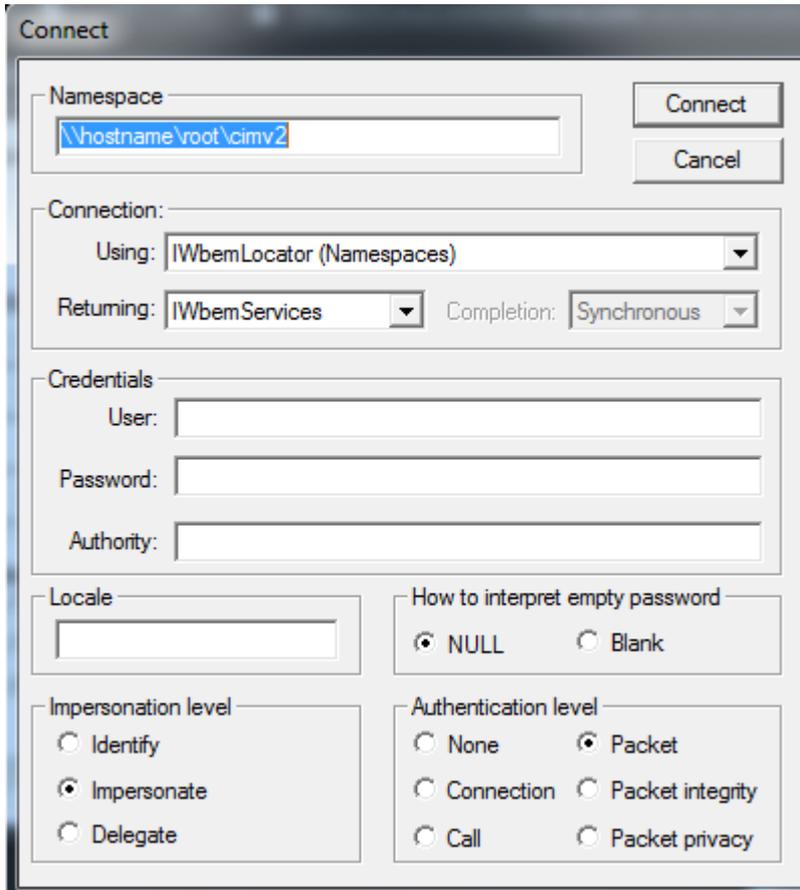
1. Click **Start**, then choose **RUN** and type in “wbemtest.exe”. Then press **ENTER**.



2. Click **Connect**.



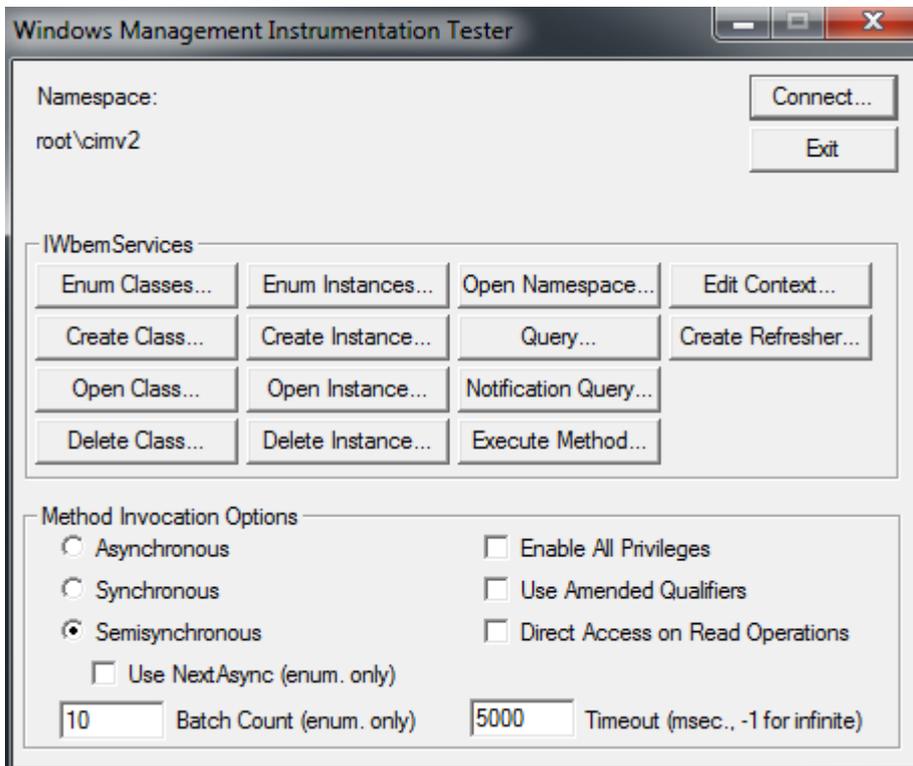
3. Connect to the namespace containing your WMI class. This will normally be root\cimv2. If you're connecting to a remote system, the namespace will look like a UNC path, eg. \\hostname\root\cimv2.
Enter an Administrator username and password if necessary, then click **Connect**.



The 'Connect' dialog box is used to establish a connection to a WMI namespace. It contains the following fields and options:

- Namespace:** A text box containing the path `\\hostname\root\cimv2`.
- Connection:** A section with three dropdown menus: 'Using' (set to 'IWbemLocator (Namespaces)'), 'Returning' (set to 'IWbemServices'), and 'Completion' (set to 'Synchronous').
- Credentials:** Three text boxes for 'User', 'Password', and 'Authority'.
- Locale:** A text box for specifying a locale.
- How to interpret empty password:** Two radio buttons: 'NULL' (selected) and 'Blank'.
- Impersonation level:** Three radio buttons: 'Identify', 'Impersonate' (selected), and 'Delegate'.
- Authentication level:** Six radio buttons: 'None', 'Packet' (selected), 'Connection', 'Packet integrity', 'Call', and 'Packet privacy'.

4. Click **Enum Classes...**



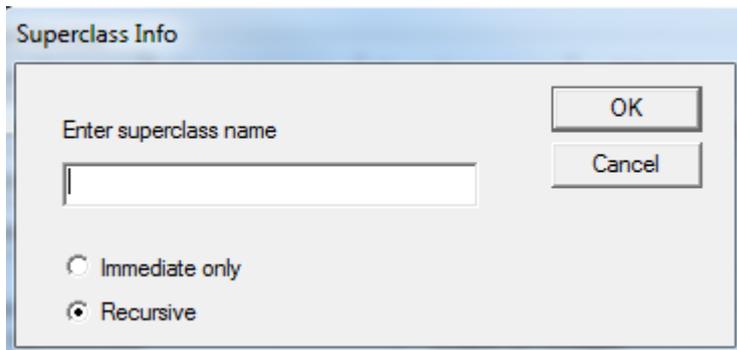
The 'Windows Management Instrumentation Tester' window displays the connection details and provides a grid of actions for the 'IWbemServices' namespace. The 'Namespace' field shows 'root\cimv2'. The 'Enum Classes...' button is highlighted.

Method Invocation Options:

- Asynchronous
- Synchronous
- Semisynchronous
- Use NextAsync (enum. only)
- Enable All Privileges
- Use Amended Qualifiers
- Direct Access on Read Operations

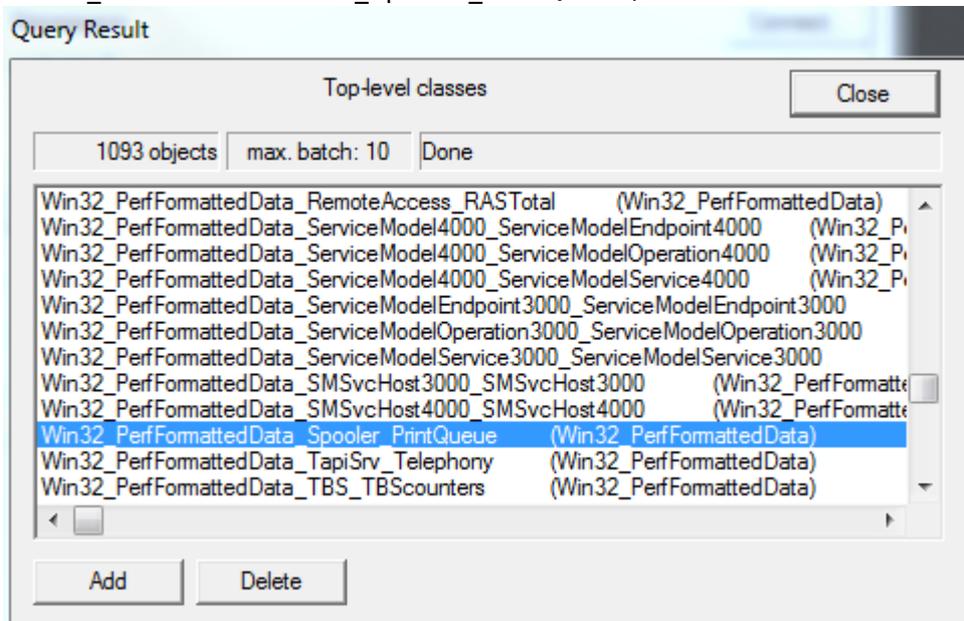
Batch Count (enum. only): Timeout (msec., -1 for infinite):

5. Leave **Enter Superclass Name** blank, select **Recursive** and click **OK**.

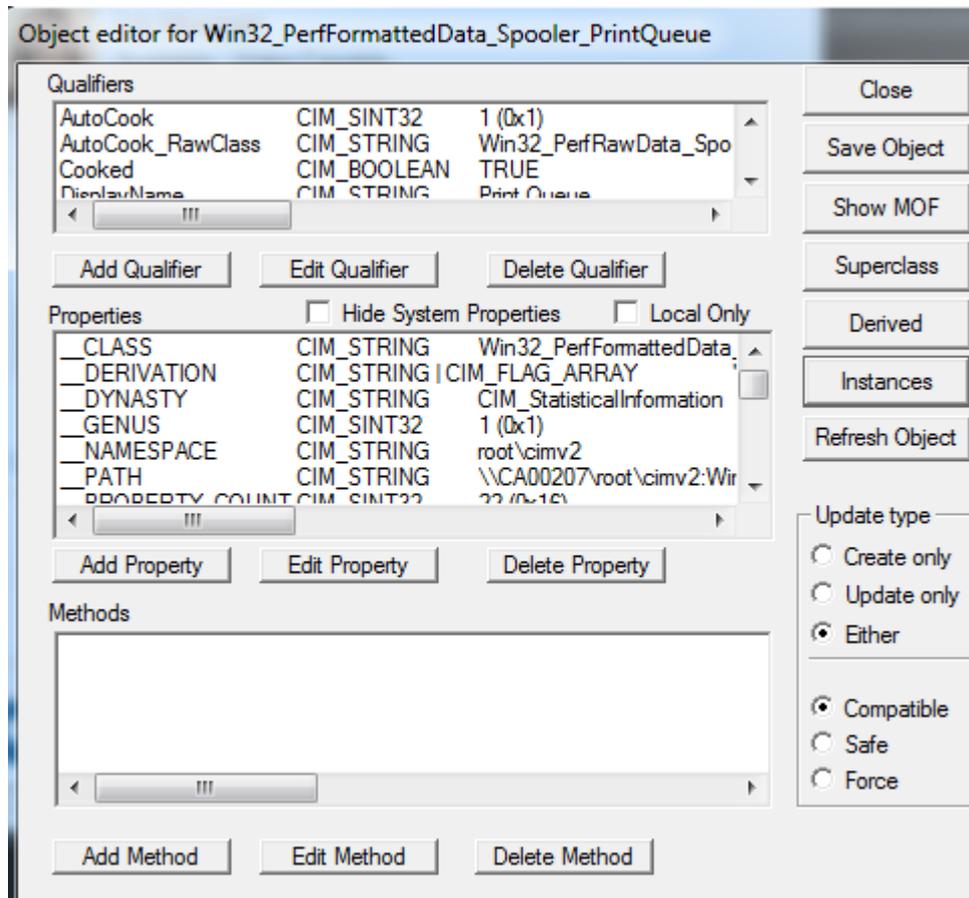


A **Query Result** window opens with a full list of WMI classes in that namespace.

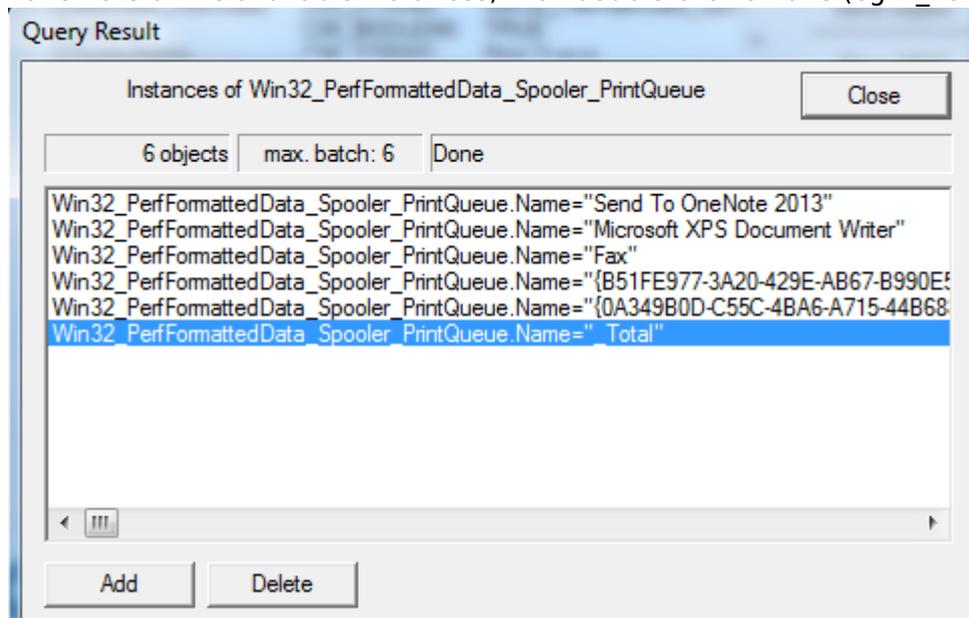
6. Scroll through the list until you find a relevant class. Take note of the class name (eg. Win32_PerfFormattedData_Spooler_PrintQueue)



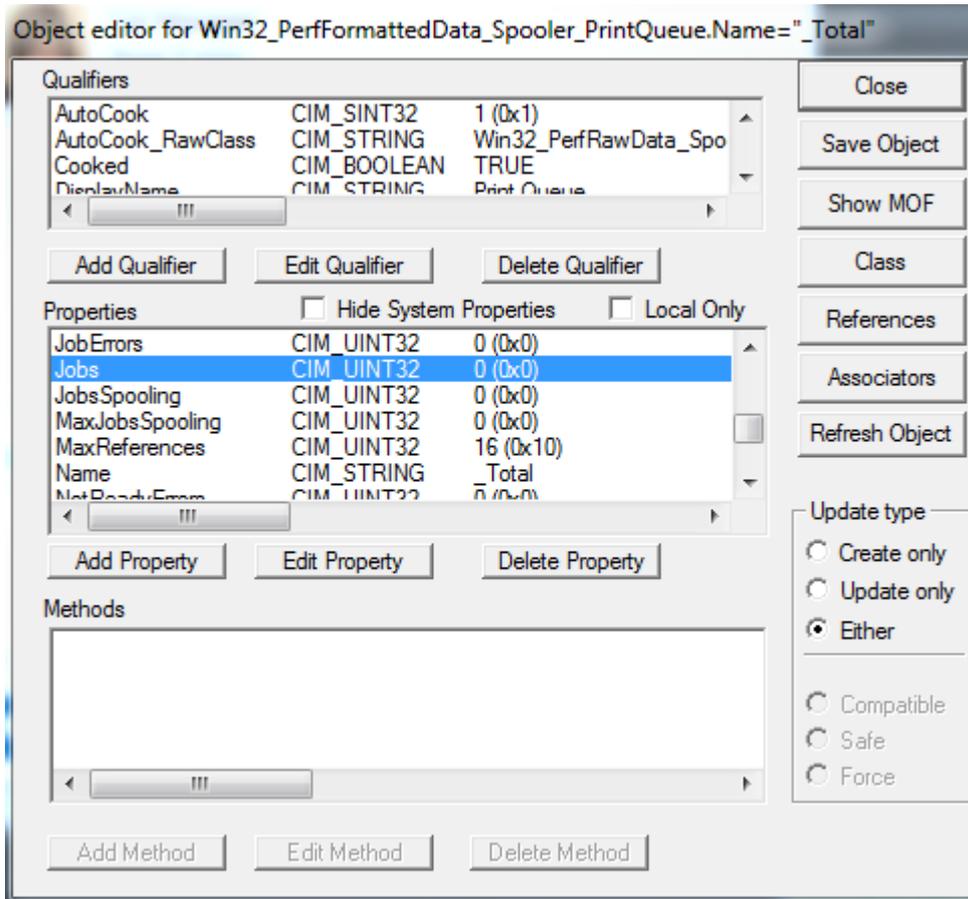
7. Click **Instances** to find out which instances exist.



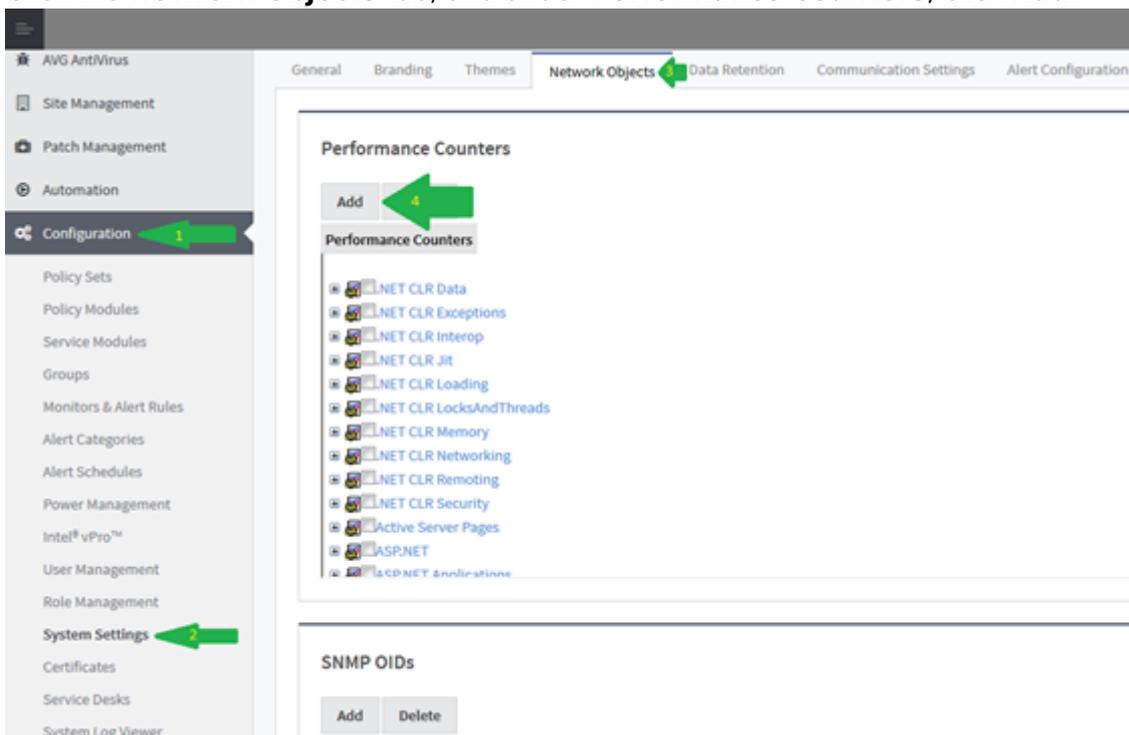
8. Take note of the available instances, then double-click on one (eg. “_Total”)



9. Find the property you want to monitor, and take note of its name.



10. Open your Service Center, and go to **System Settings** under **Configuration**.
11. Click the **Network Objects** tab, and under **Performance Counters**, click **Add**.



12. Check the **Other** box for each field, and fill out the form with the information you've gathered.

Performance Object and **Instance Counter** can be whatever you want to name them and **Object Instance** is optional, but **WMI Class Name** and **WMI Property Name** are required.

Add Performance Counter

Performance Object:

 Other

Object Instance:

 Other

Instance Counter:

 Other

WMI Class Name

 Other

WMI Property Name

 Other

13. Click **Save**.

Figures

1. PC1.png
2. pc2.png
3. pc3.png
4. pc4.png
5. pc5.png
6. pc6.png
7. pc7.png
8. pc8.png
9. pc9.png
10. pc10.png
11. pc11.png

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