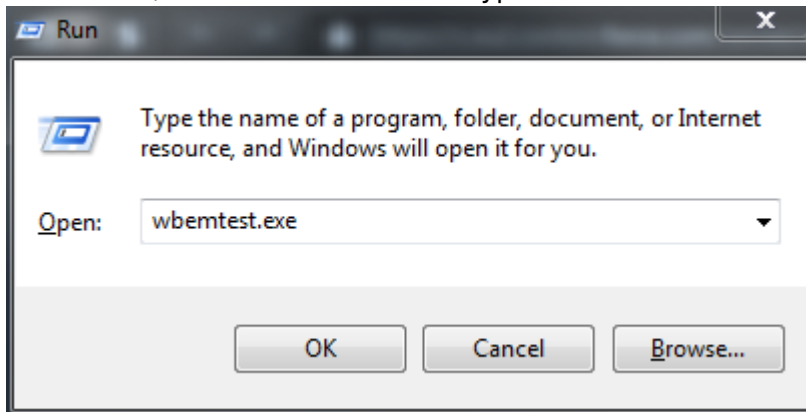


Create a Performance Counter for a custom WMI class

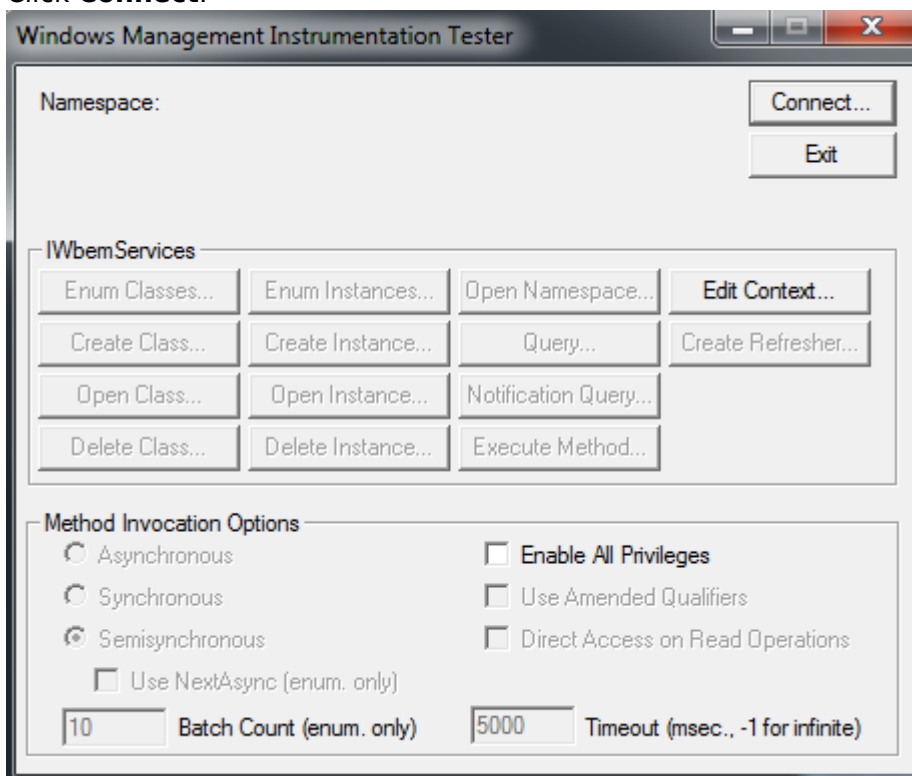
<https://campus.barracuda.com/doc/98217284/>

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

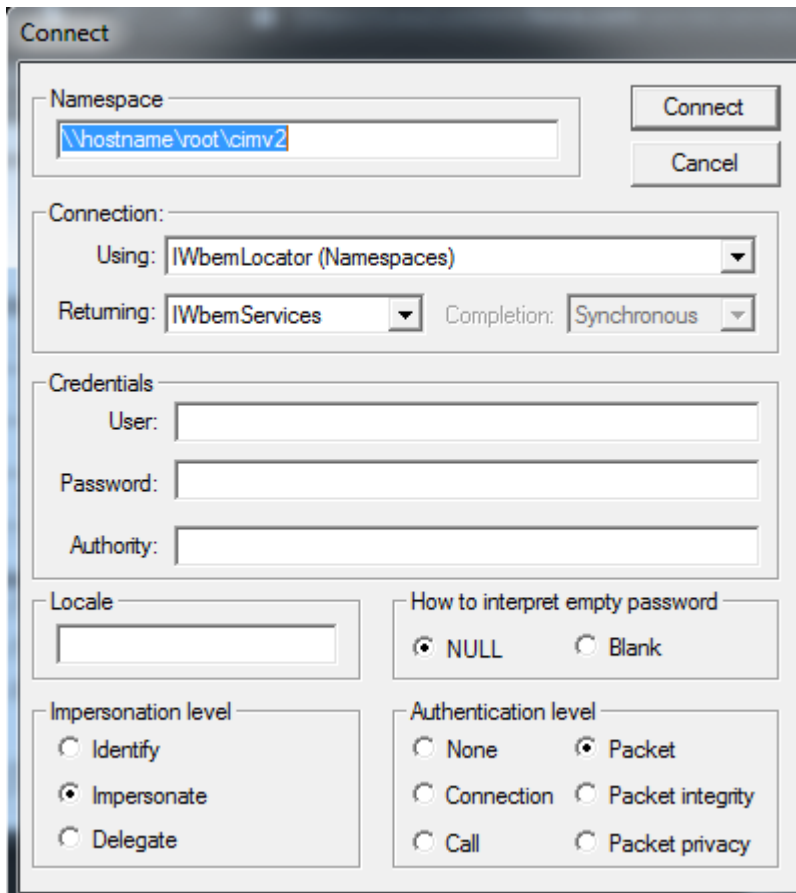
1. Click **Start**, then choose **RUN** and type in “wbemtest.exe”. Then press **ENTER**.



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 includes fields for Namespace, Connection (Using and Returning), Credentials (User, Password, Authority), Locale, and options for Impersonation level and Authentication level.

Namespace:

Connection:
Using:
Returning: Completion:

Credentials:
User:
Password:
Authority:

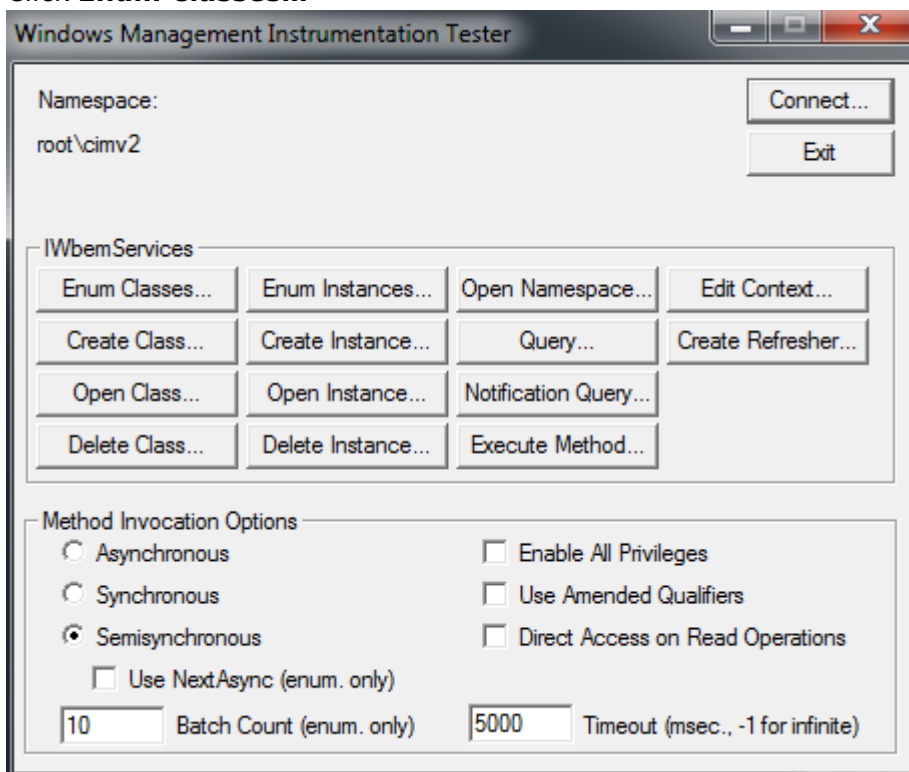
Locale:

How to interpret empty password:
☒ NULL ☐ Blank

Impersonation level:
☐ Identify
☒ Impersonate
☐ Delegate

Authentication level:
☐ None ☒ Packet
☐ Connection ☐ Packet integrity
☐ Call ☐ Packet privacy

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



The 'Windows Management Instrumentation Tester' dialog box provides a comprehensive interface for interacting with WMI. It includes a Namespace field, a grid of action buttons for IWbemServices, and a section for Method Invocation Options.

Namespace:

Connect... Exit

IWbemServices:

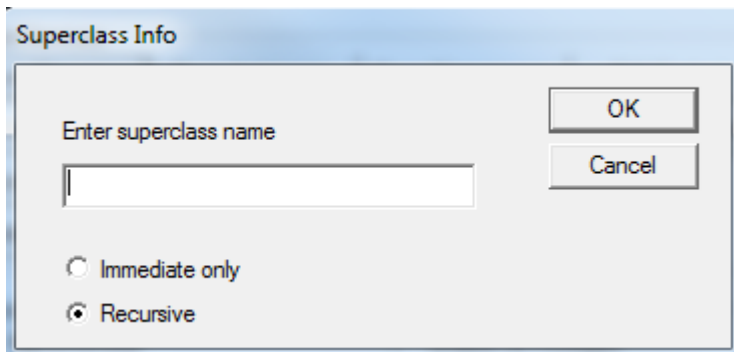
Enum Classes...	Enum Instances...	Open Namespace...	Edit Context...
Create Class...	Create Instance...	Query...	Create Refresher...
Open Class...	Open Instance...	Notification Query...	
Delete Class...	Delete Instance...	Execute Method...	

Method Invocation Options:

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

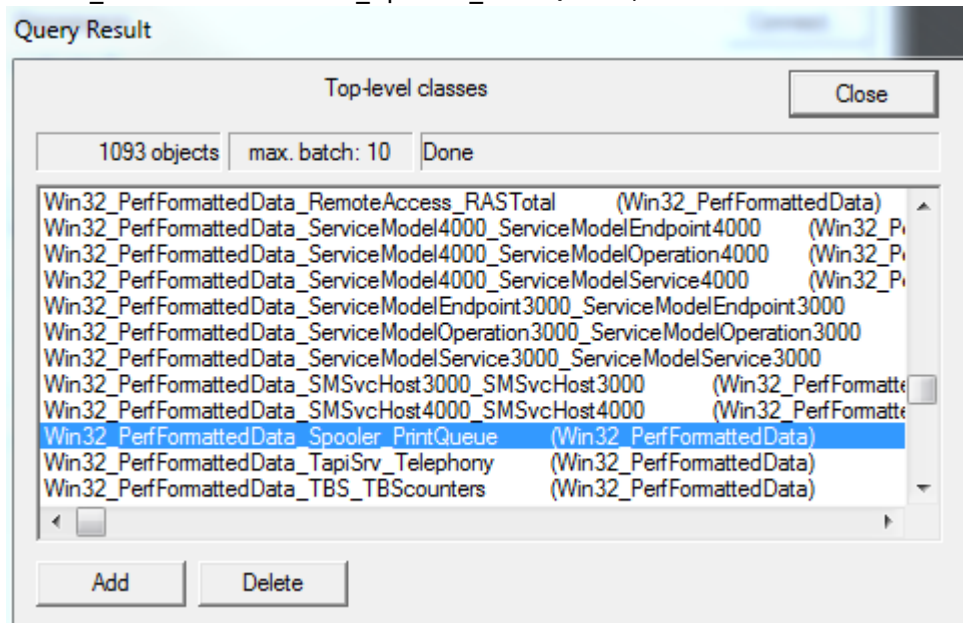
Batch Count (enum. only) Timeout (msec., -1 for infinite)

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

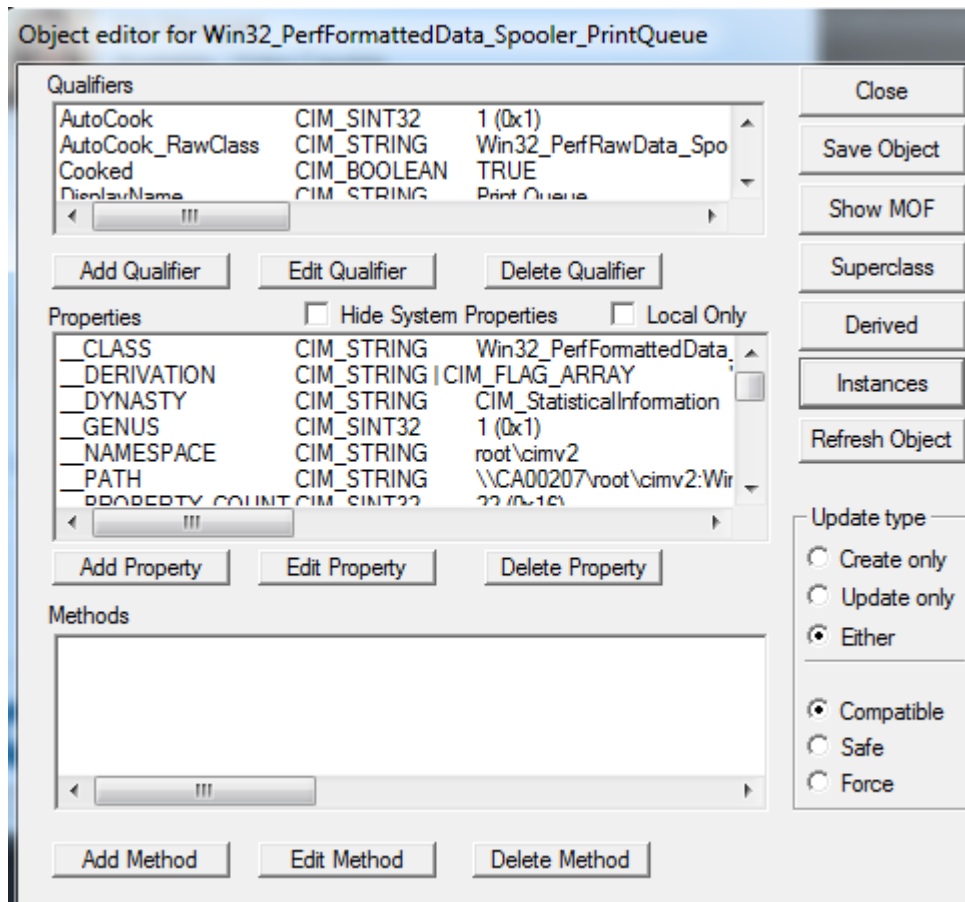


A **Query Result** window opens with a full list of WMI classes in that namespace.

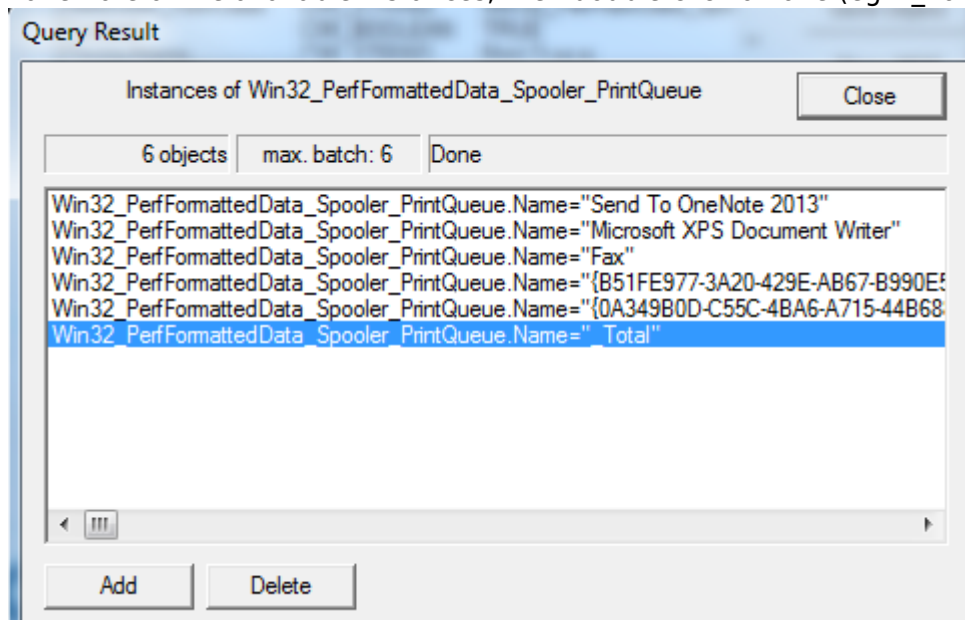
6. Scroll through the list until you find a relevant class. Take note of the class name (eg. Win32_PerfFormattedData_Spooler_PrintQueue)



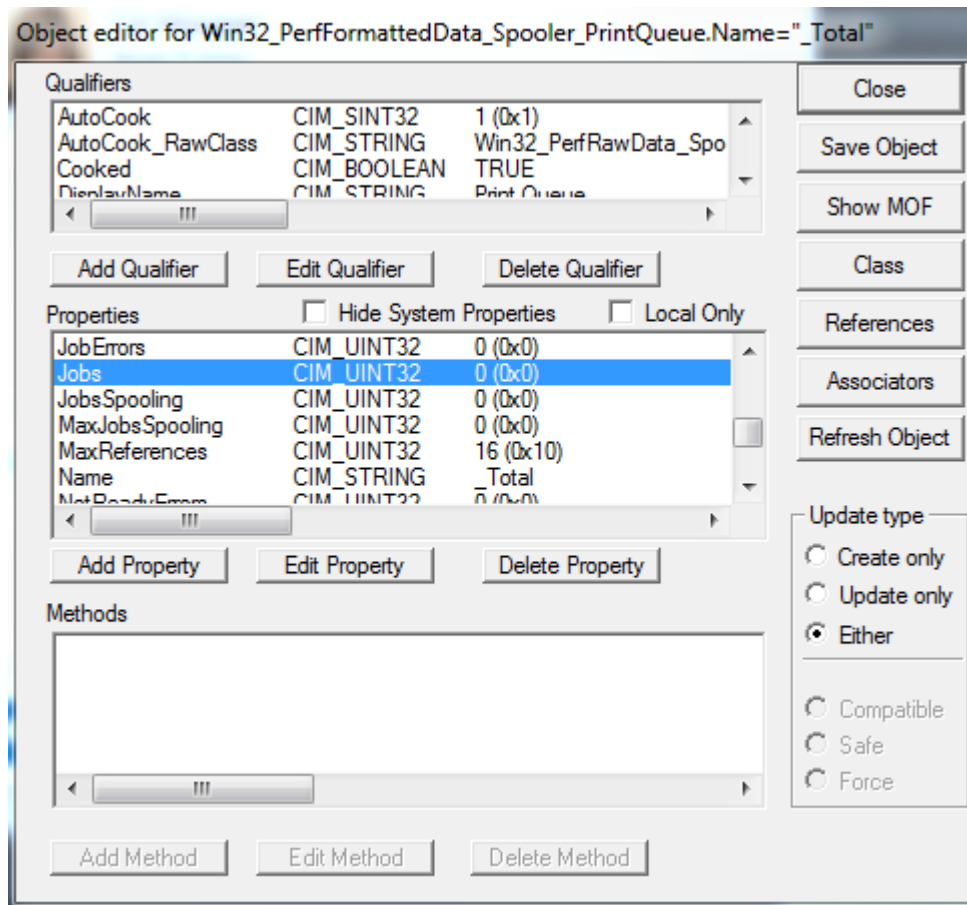
7. Click **Instances** to find out which instances exist.



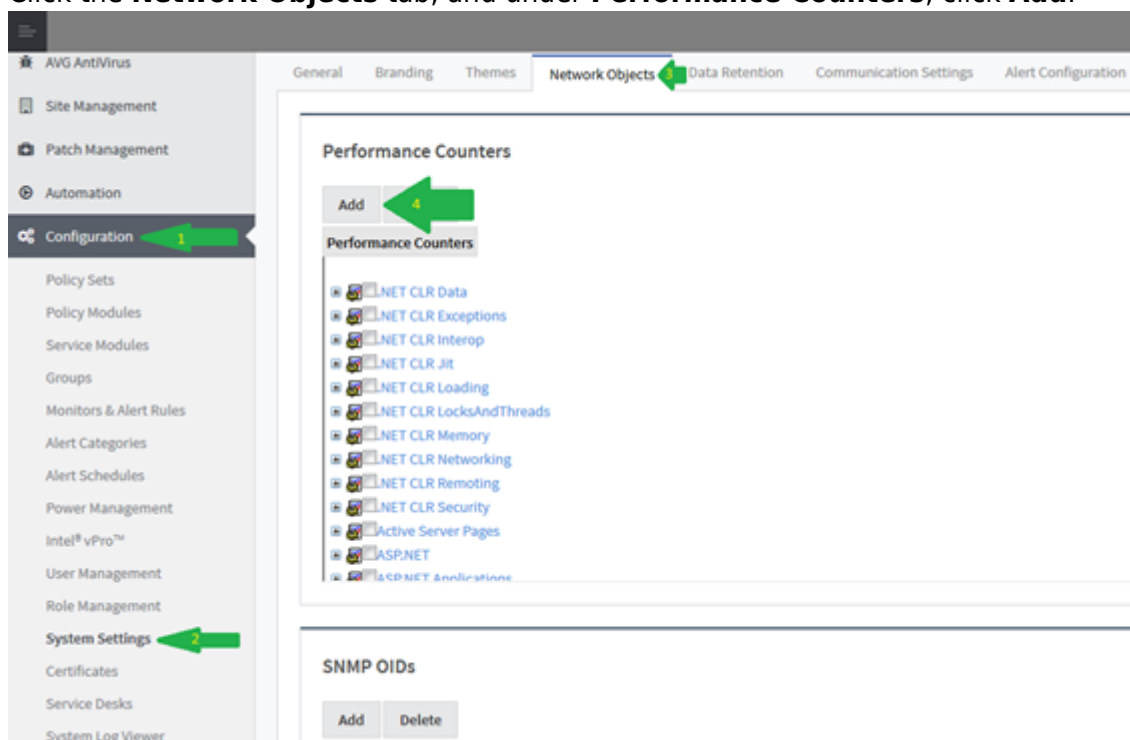
8. Take note of the available instances, then double-click on one (eg. “_Total”)



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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