

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**.

resource	, and Windows will o	pen it for you.	, incenter
Open: wbemt	est.exe		-
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ck Connect . indows Managem	ent Instrumentation	Tester	
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IWbemServices —			
IWbemServices	Enum Instances	Open Namespace	Edit Context
IWbemServices Enum Classes Create Class	Enum Instances Create Instance	Open Namespace Query	Edit Context
IWbemServices Enum Classes Create Class Open Class	Enum Instances Create Instance Open Instance	Open Namespace Query Notification Query	Edit Context Create Refresher
IWbemServices Enum Classes Create Class Open Class Delete Class	Enum Instances Create Instance Open Instance Delete Instance	Open Namespace Query Notification Query Execute Method	Edit Context Create Refresher

 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**.

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Connect			
Namespace	imv2		Connect Cancel
Connection:			
Using: Wbem	Locator (Namespaces	:)	-
Returning: Wbem	Services 💌	Completion: Synchron	nous 🔻
-Credentials			
User:			
Password:			
Authority:			
Locale	How	v to interpret empty pas	sword
	•	NULL C Blank	:
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O Identify	0	None Packet	et
Impersonate	0	Connection C Pack	et integrity
O Delegate	0	Call C Pack	et privacy
lick Enum Class			
Vindows Manageme	nt Instrumentation	Tester	
Namespace:			Connect
root\cimv2			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 O	ptions		
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10 Batch	(enum. oniy) Count (enum. only)	5000 Timeout	(msec -1 for infinite)
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5. Leave Enter Superclass Name blank, select Recursive and click OK.



Superclass Info				
Enter superclass name	ОК			
	Cancel			
ŗ.				
Immediate only				
Recursive				

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)

	Top-level of	classes			Close
1093 objects	max. batch: 10	Done			
Win32_PerfFormatt. Win32_PerfFormatt. Win32_PerfFormatt. Win32_PerfFormatt. Win32_PerfFormatt. Win32_PerfFormatt. Win32_PerfFormatt. Win32_PerfFormatt. Win32_PerfFormatt. Win32_PerfFormatt. Win32_PerfFormatt.	edData_RemoteAcc edData_ServiceMod edData_ServiceMod edData_ServiceMod edData_ServiceMod edData_ServiceMod edData_SMSvcHost edData_SMSvcHost edData_TapiSrv_Tel edData_TBS_TBScc	ess_RASTota el4000_Servi el4000_Servi elEndpoint30 elOperation30 elOperation30 i3000_SMSvo i4000_SMSvo ntQueue lephony punters	al (Win32 ceModelEndpo ceModelOperat ceModelService 00_ServiceMod 0_ServiceMode Host3000 Host4000 (Win32_PerfFo (Win32_PerfFo (Win32_PerfFo	Perf Formattee int 4000 ((ion 4000 () e4000 () del Endpoint 30 del Operation 3 el Service 3000 (Win 32_Pe (Win 32_Pe (Win 32_Pe matted Data) matted Data)	dData) / Win32_P Win32_P Win32_P 00 3000 fFormatte fFormatte
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Add	Delete				

7. Click Instances to find out which instances exist.



AutoCook CIM_SINT32 1 AutoCook_RawClass CIM_STRING V Cooked CIM_BOOLEAN 1 Disclar/Mame CIM_STRING V Add Qualifier Edit Qualifier Properties Edit Qualifier Properties CIM_STRING V 	I (bx1) Save Ob Win32_PerfRawData_Spo Save Ob TRUE Save Ob Drint Outer to Show M Delete Qualifier Supercla operties Local Only Win32_PerfFormattedData Derive
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Add Property Edit Property	Delete Property C Create
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< III.				Þ
Add	Delete			

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



oject editor for Win32	PerfFormattedDa	ta_Spooler_PrintQueue.Na	me="	_Total"
Qualifiers				Close
AutoCook AutoCook_RawClass Cooked	CIM_SINT32 CIM_STRING CIM_BOOLEAN	1 (0x1) Win32_PerfRawData_Spo TRUE		Save Object
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Add Qualifier	Edit Qualifier	Delete Qualifier		Class
Properties	Hide System	Properties Local Only	<u>/</u>	References
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Add Property	Edit Property	Delete Property		C Create only
Methods				O Update only
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				C Compatible C Safe
۰ III			Þ	C Force
Add Method	Edit Method	Delete Method		

- 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:

.NET CLR Data

☑ Other Print Jobs

Object Instance:

☑ Other _Total

Instance Counter:	
# Bytes in all Heaps	
✓ Other Current Jobs	

WMI Class Name

(Not provided)

☑ Other Win32_PerfFormattedData_Spooler_PrintQueue

WMI Property Nam	e	
(Not provided)		
✓ Other Jobs		

13. Click Save.

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Figures

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