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Testing WMI Connectivity

NETWORK MANAGEMENT SOLUTIONS

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The following document guides you through using the Microsoft Windows Management Instrumentation Tester tool to check WMI connectivity with monitored nodes, applications, and services.

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WMI Test Utility

WMI process monitors and Windows Service Monitors require:

- Windows Management Instrumentation (WMI) to be enabled and functioning properly.
- The remote server to be accessible through a RPC connection in order to run the WMI queries.

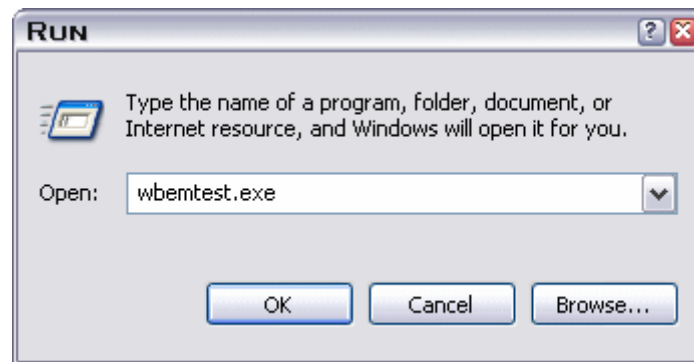
This article describes a quick and easy method that can be used to verify that WMI is enabled and functioning correctly.

Testing WMI Connectivity

Complete the following task to ensure your Orion server supports WMI connections to target computers. WMI connectivity is required to enable and successfully use windows service monitors and WMI process monitors.

To test WMI connectivity:

1. Log in to the Orion server with an administrator account.
2. Click **Start > Run**, enter `wbemtest.exe` and then click **OK**.



3. Click **Connect** on the Windows Management Instrumentation Tester window.

2. Testing WMI Connectivity

4. Enter `\\Target_Primary_IP_Address\root\cimv2` in the **Namespace** field. Replace `Target_Primary_IP_Address` in the above example with the actual Hostname or Primary IP Address of the target remote server.

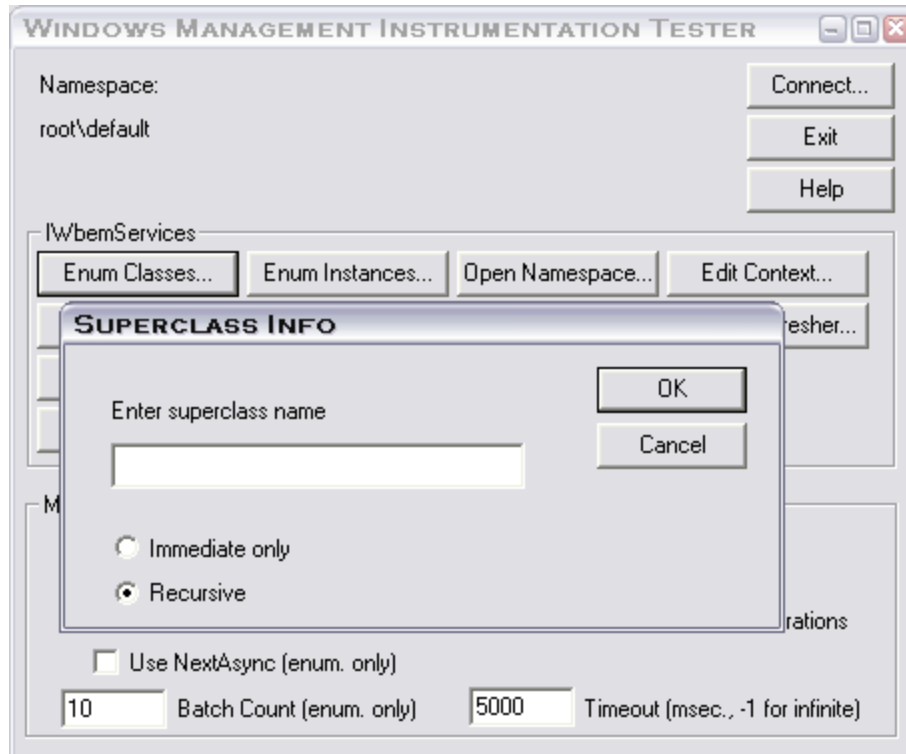
The image shows a Windows 'CONNECT' dialog box. At the top, there is a text box containing the path '\\sqlsvr\root\cimv2' and two buttons: 'Connect' and 'Cancel'. Below this is a 'Connection:' section with a dropdown menu set to 'I/wbemLocator (Namespaces)', a 'Returning:' dropdown set to 'I/wbemServices', and a 'Completion:' dropdown set to 'Synchronous'. The 'Credentials:' section has three empty text boxes for 'User:', 'Password:', and 'Authority:'. Below that is a 'Locale' text box and a 'How to interpret empty password' section with two radio buttons: 'NULL' (selected) and 'Blank'. At the bottom, there are two sections: 'Impersonation level' with radio buttons for 'Identify', 'Impersonate' (selected), and 'Delegate'; and 'Authentication level' with radio buttons for 'None', 'Packet' (selected), 'Connection', 'Packet integrity', 'Call', and 'Packet privacy'.

5. Enter the user name in the **User** field, the password in the **Password** field, and `NTLMDOMAIN:NameOfDomain` in the **Authority** field. Replace `NameOfDomain` with the domain of the user account specified in the User field.

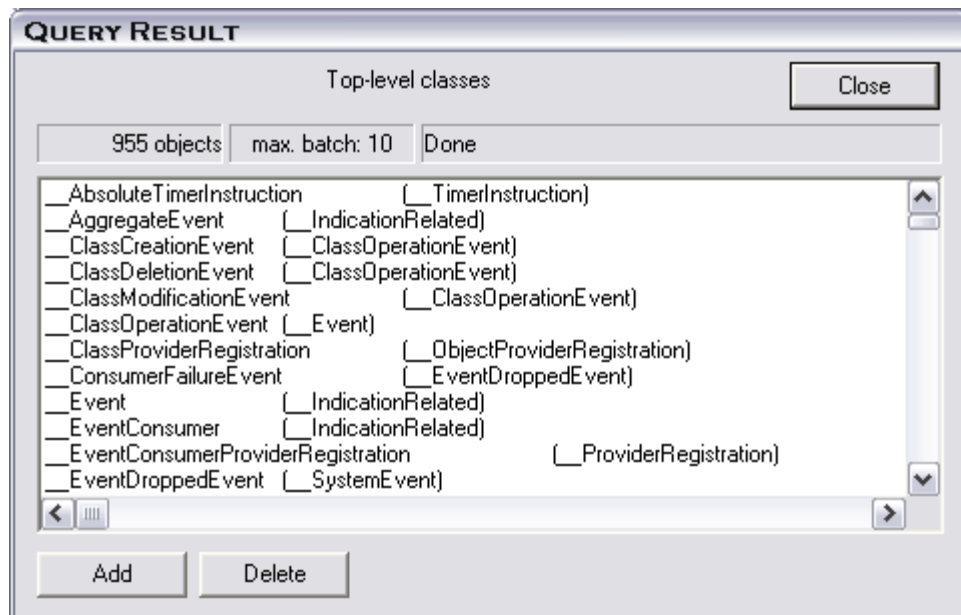
Note: User credentials are for accessing the remote computer and must have access to that remote computer. This may require you to enable remote procedure call (RPC) protocol on the remote computer.

6. Click **Connect**.
7. Click **Enum Classes**.

8. Select the **Recursive** radio button without entering a superclass name, and then click **OK**.



9. The Windows Management Instrumentation Tester generates a list of classes. If the list does not appear, see the “Troubleshooting WMI Connectivity” section on page 4.



10. Click the **Close** button, and then click **Exit**.

Troubleshooting WMI Connectivity

The Windows Management Instrumentation Tester tool is provided by Microsoft to test WMI connectivity on a system. The wbemtest.exe file is installed in the `Wbem` directory of your Windows system folder.

More information on the Windows Management Instrumentation Tester is available on the Microsoft Developer Network website:

- <http://msdn2.microsoft.com/en-us/library/ms735120.aspx>
- <http://msdn2.microsoft.com/en-us/library/aa394603.aspx>