# LAB: WMI and CIM Review

In this lab, you’ll practice many of the techniques that you learned in the preceding Nuggets. “LAB C: WMI and CIM Review,” covers the solutions to these challenges. See how many you can complete before watching the Nugget.

1. Write a command that uses WMI to retrieve all instances of Win32\_LogicalDisk that represent fixed local disks. Have the command run against two computers.

Get-WmiObject -Class win32\_logicaldisk | where {$\_.drivetype -eq 3}

get-wmiobject -Class win32\_logicaldisk -Filter "drivetype='3'" #BETTER

2. Write a command that uses CIM to retrieve all instances of Win32\_Process from two remote computers. Ensure that the computers’ names appear in the final output.  
Get-CimInstance -ClassName Win32\_Process localhost,ILCSDC0

3. Use CIM commands to connect to a computer that has WMI enabled, but does not have Remoting enabled. Retrieve all instances of the Win32\_NTEventLogFile class.  
$win7 = New-CimSession -ComputerName ILCSWS007 -SessionOption (New-CimSessionOption -Protocol Dcom)

Get-CimInstance -ClassName Win32\_NTEventlogFile -CimSession $win7

4. Perform task 3 again. This time, use WMI commands to complete the task. Retrieve only the Application event log, and back up the log to the local computer, then clear the log.

Get-WmiObject -ComputerName win7 -Class Win32\_NTEventlogFile -Filter "Logfilename='Application'" | gm

# BackupEvenLog Method

Get-WmiObject -ComputerName win7 -Class Win32\_NTEventlogFile -EnableAllPrivileges `

-Filter "Logfilename='Application'" |

Invoke-WmiMethod -Name BackupEventLog -ArgumentList C:\backup.evt

# Or Clear eventlog.

Now you’re ready to watch the lab review Nugget!