

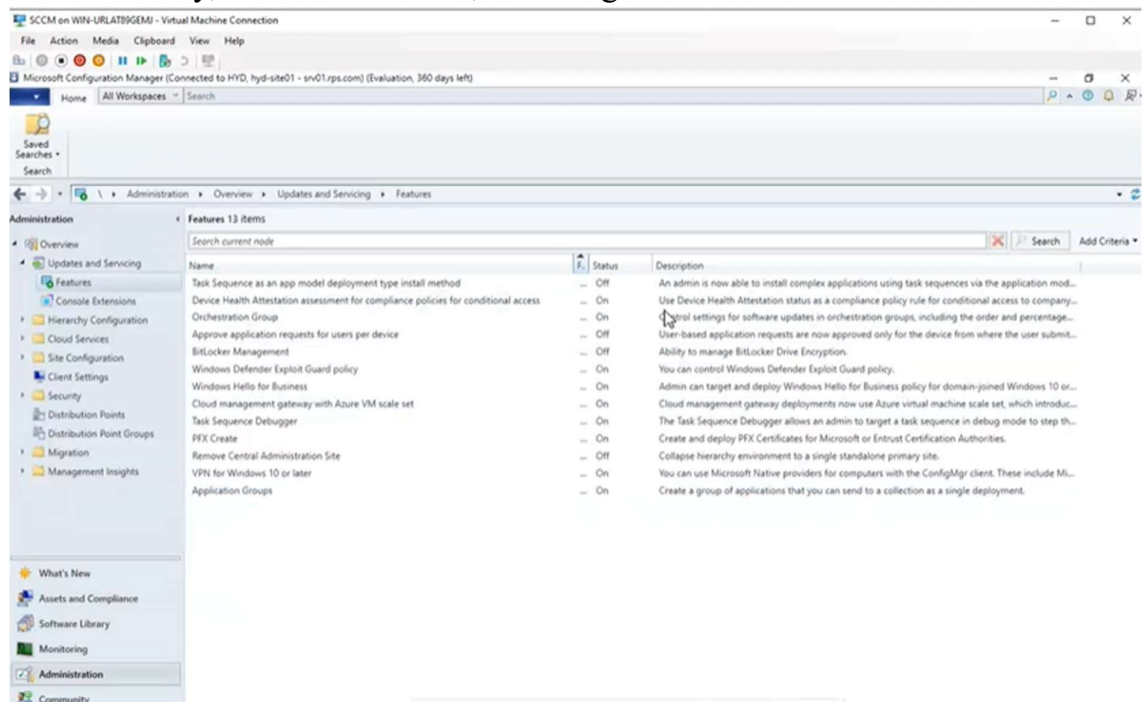
Managing the Configuration Client

1. Discovery and Deployment:

This involves discovering and deploying the client software. First locate the device on your network then install the client software using various methods like push installation, Group policy, software update-based installation.

2. Configuring Client-Status:

Managing all client settings through the Client Settings node in the Administration. Explore various settings, including Software Updates, Client Activity, and Client Check, to manage client behaviour.

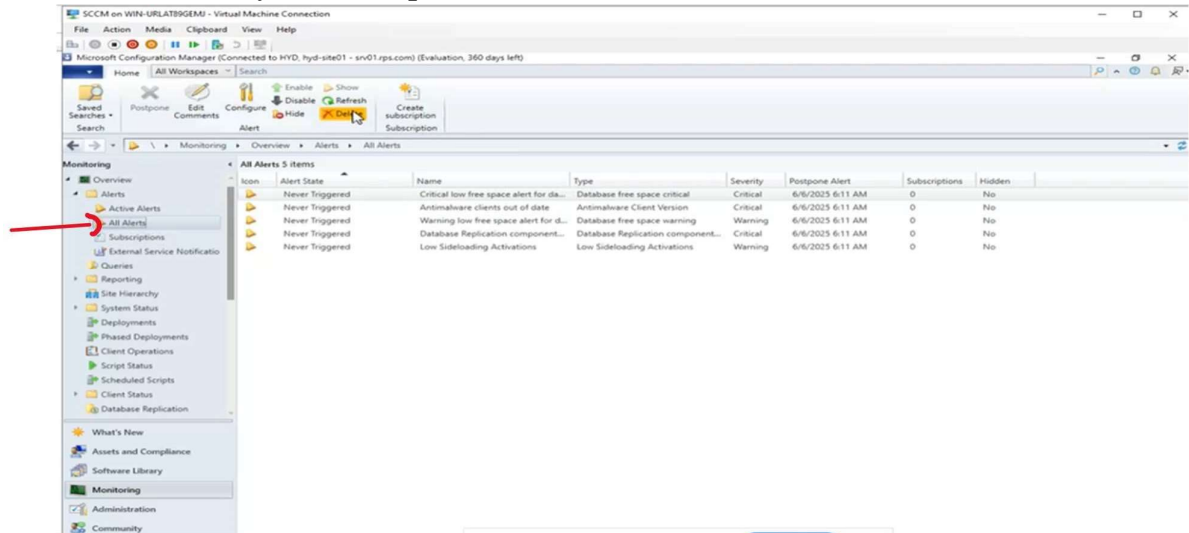


3. Managing the Client Cache:

The client cache stores files needed for deployments, like software updates and packages. Use the delete file option to remove the files when needed

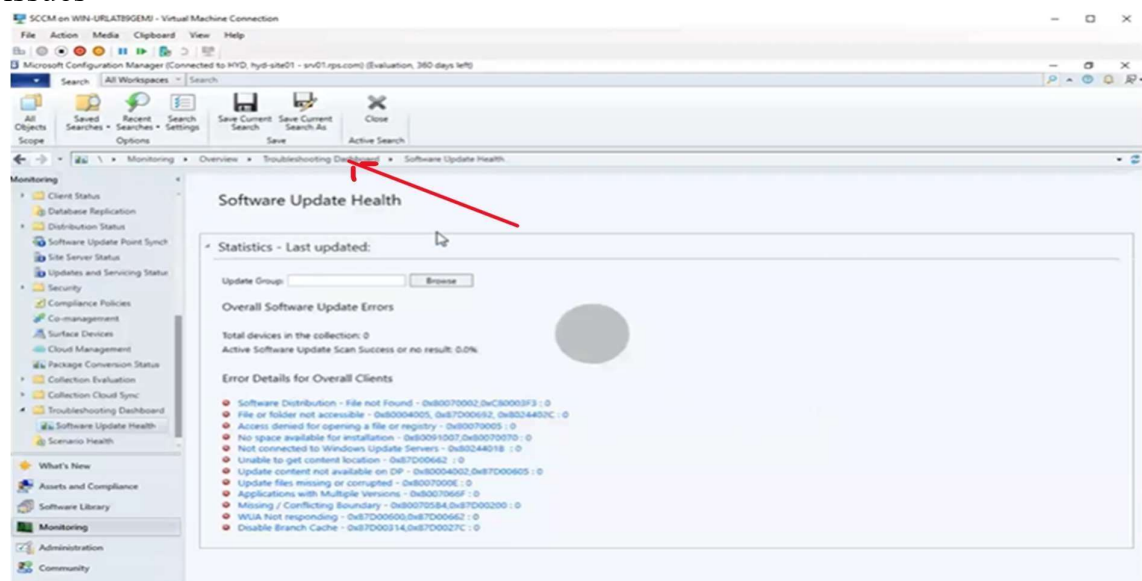
4. Monitoring Client Status:

The Client Status node in the Monitoring workspace is used to see overall client activity and status. The alerts notify when client checks result or some relatively action is performed



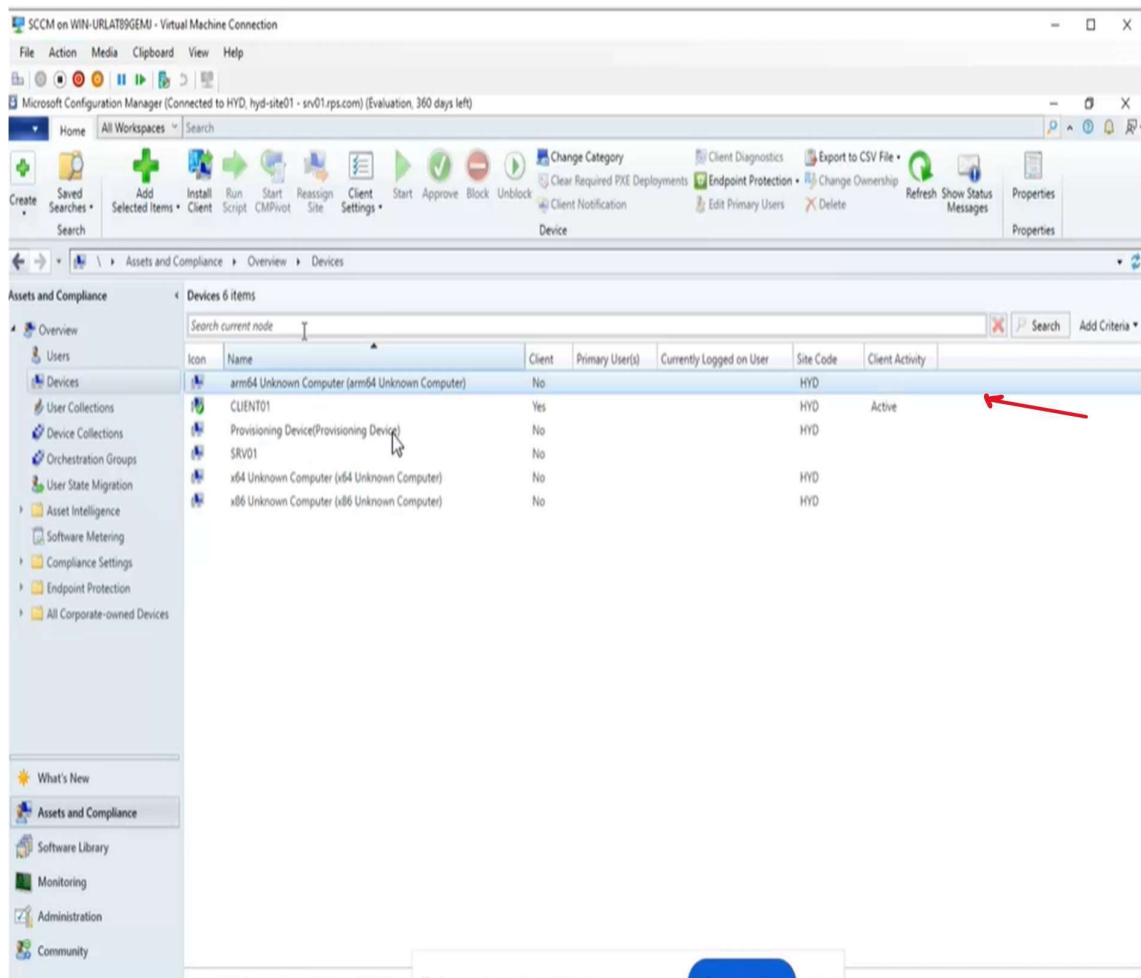
5. Troubleshooting

The SCCM Software Center allows users to install applications, manage updates, and check device compliance, while the ConfigMgr Client Applet helps administrators view client configurations and troubleshoot issues



Managing Inventory

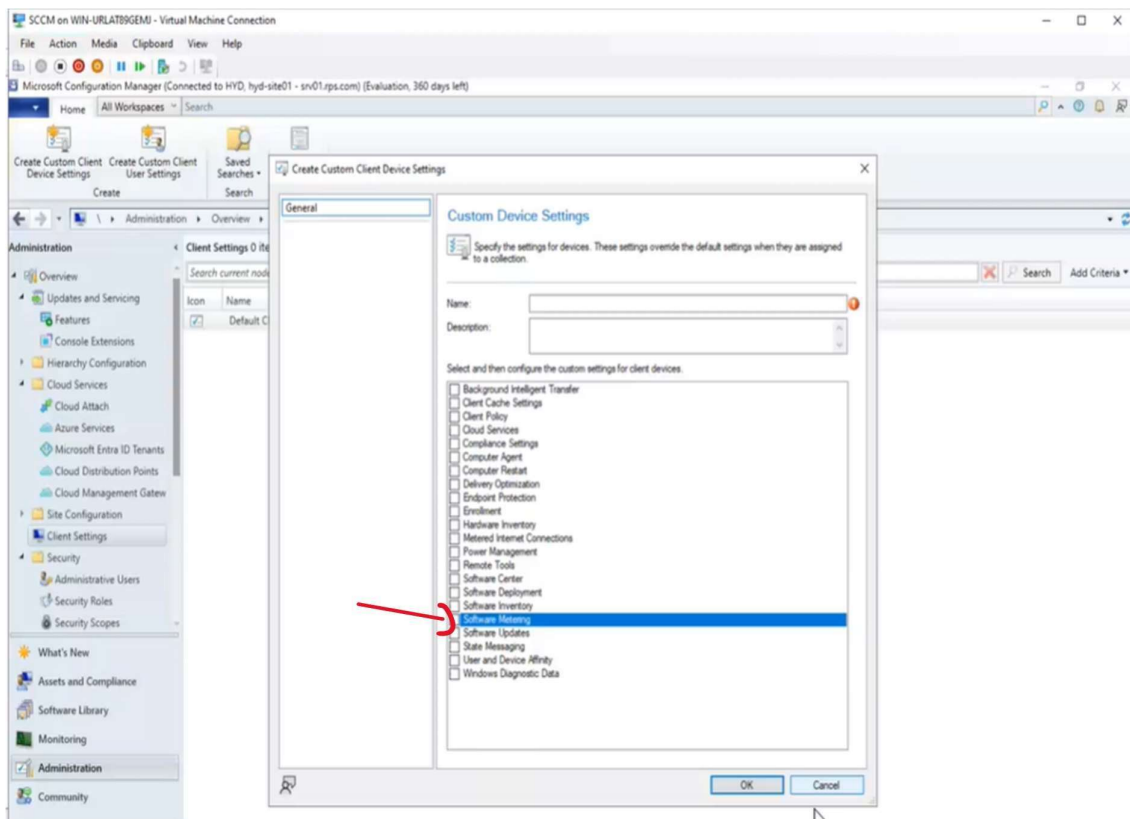
SCCM helps to manage inventory by collecting software, hardware information from managed devices. In the Configuration manager console go to the Asset and Compliance>Devices. To view the inventory right click on the device click on Start>Resource explorer where you will see the hardware inventory software inventory.



Software Metering

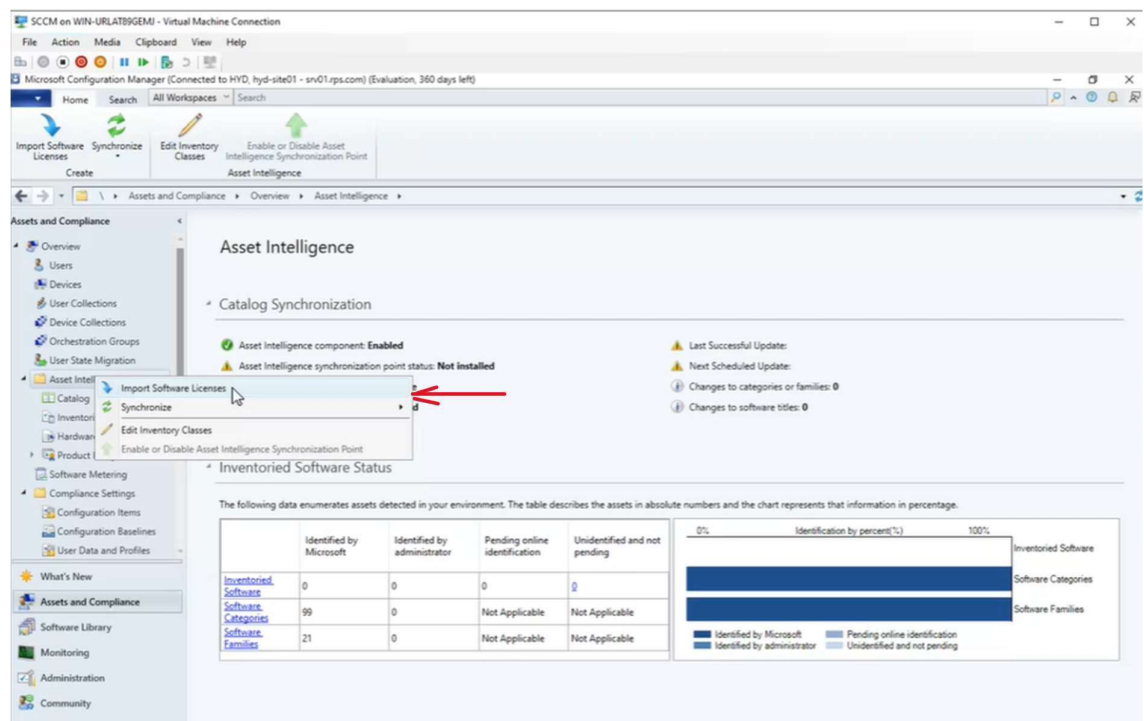
Software metering enables tracking of application usage. To configure client settings for software metering follow the below steps-

1. In the Configuration Manager console click Administration>Client settings>Default client settings
2. On the Home tab click properties.
3. In the Default settings Dialog box click Software metering
4. In the Device Settings list, configure the following:
 - Enable software metering on clients
 - Schedule data collection
5. Then click Ok to close the Default Settings dialog box



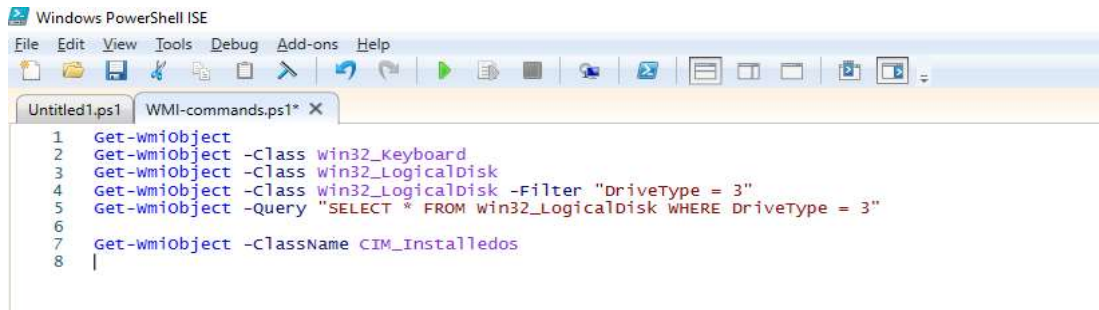
Steps to Import Software License

1. In the configuration manager console go to Assets and Compliance>Asset Intelligence.
2. After that right click on the Asset Intelligence and select “Import Software Licenses”
3. Specify the License file type then provide the License file path.
4. Follow the prompts of the import software license wizard to complete the process. At last verify the permissions.



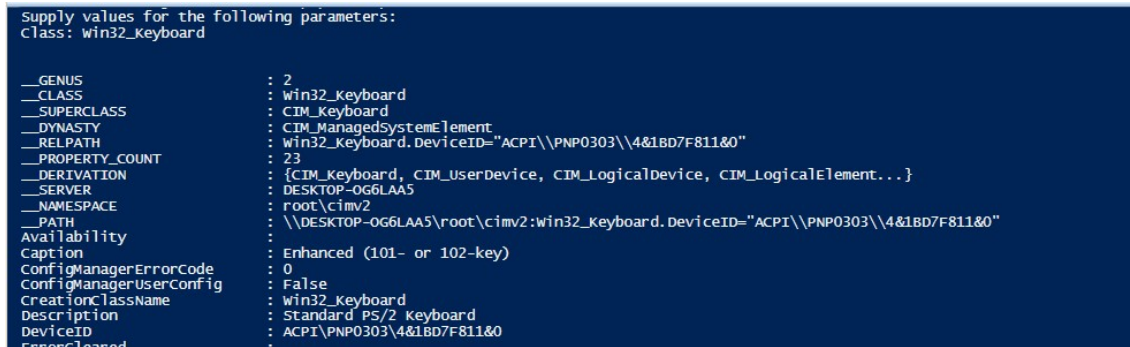
WMI(Windows Management Instrumentation)

It is a standard way to manage and access system resources. It provides a centralized and way to collect information from various devices on network.



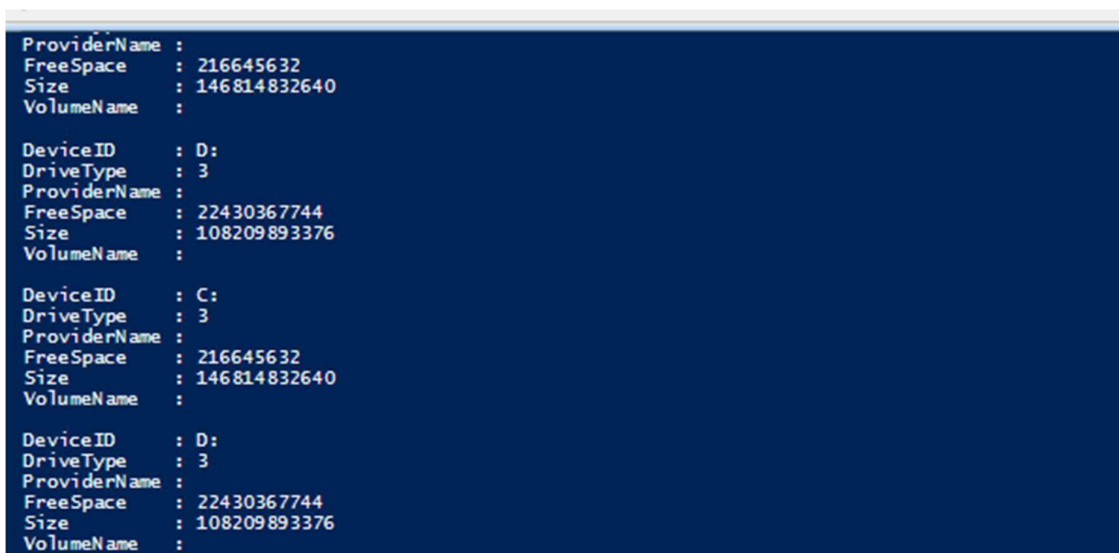
```
Windows PowerShell ISE
File Edit View Tools Debug Add-ons Help
Untitled1.ps1 WMI-commands.ps1* X
1 Get-WmiObject
2 Get-WmiObject -Class win32_Keyboard
3 Get-WmiObject -Class win32_LogicalDisk
4 Get-WmiObject -Class win32_LogicalDisk -Filter "DriveType = 3"
5 Get-WmiObject -Query "SELECT * FROM win32_LogicalDisk WHERE DriveType = 3"
6
7 Get-WmiObject -ClassName CIM_InstalledOs
8 |
```

Output:



```
Supply values for the following parameters:
Class: win32_Keyboard

__GENUS           : 2
__CLASS           : win32_Keyboard
__SUPERCLASS      : CIM_Keyboard
__DYNASTY          : CIM_ManagedSystemElement
__RELPATH          : win32_Keyboard.DeviceID="ACPI\PNP0303\4&1BD7F811&0"
__PROPERTY_COUNT  : 23
__DERIVATION       : {CIM_Keyboard, CIM_UserDevice, CIM_LogicalDevice, CIM_LogicalElement...}
__SERVER          : DESKTOP-OG6LAA5
__NAMESPACE       : root\cimv2
__PATH            : \\DESKTOP-OG6LAA5\root\cimv2:win32_Keyboard.DeviceID="ACPI\PNP0303\4&1BD7F811&0"
Availability      :
Caption           : Enhanced (101- or 102-key)
ConfigManagerErrorCode : 0
ConfigManagerUserConfig : False
CreationClassName : win32_Keyboard
Description       : Standard PS/2 Keyboard
DeviceID          : ACPI\PNP0303\4&1BD7F811&0
ErrorClear       :
```



```
ProviderName :
FreeSpace    : 216645632
Size         : 146814832640
VolumeName   :

DeviceID     : D:
DriveType    : 3
ProviderName :
FreeSpace    : 22430367744
Size         : 108209893376
VolumeName   :

DeviceID     : C:
DriveType    : 3
ProviderName :
FreeSpace    : 216645632
Size         : 146814832640
VolumeName   :

DeviceID     : D:
DriveType    : 3
ProviderName :
FreeSpace    : 22430367744
Size         : 108209893376
VolumeName   :
```

```
cmdlet Get-WmiObject at command pipeline position 1
Supply values for the following parameters:
Class: CIM_InstalledOS
```

```
__GENUS          : 2
__CLASS          : win32_SystemOperatingSystem
__SUPERCLASS     : CIM_InstalledOS
__DYNASTY        : CIM_Component
__RELPATH        : win32_SystemOperatingSystem.GroupComponent="\\\\DESKTOP-OG6LAA5\\root\\cimv2:win32_ComputerSystem.Name=\\DESKTOP-OG6LAA5\\root\\cimv2:win32_OperatingSystem=@"
__PROPERTY_COUNT : 3
__DERIVATION     : {CIM_InstalledOS, CIM_SystemComponent, CIM_Component}
__SERVER        : DESKTOP-OG6LAA5
__NAMESPACE     : root\\cimv2
__PATH          : \\DESKTOP-OG6LAA5\\root\\cimv2:win32_SystemOperatingSystem.GroupComponent="\\\\DESKTOP-OG6LAA5\\root\\cimv2:win32_SystemOperatingSystem.Name=\\DESKTOP-OG6LAA5\\root\\cimv2:win32_OperatingSystem=@"
GroupComponent   : \\DESKTOP-OG6LAA5\\root\\cimv2:win32_ComputerSystem.Name="DESKTOP-OG6LAA5"
PartComponent    : \\DESKTOP-OG6LAA5\\root\\cimv2:win32_OperatingSystem=@"
PrimaryOS        : True
PSComputerName   : DESKTOP-OG6LAA5
```

```
__GENUS          : 2
__CLASS          : win32_Keyboard
__SUPERCLASS     : CIM_Keyboard
__DYNASTY        : CIM_ManagedSystemElement
__RELPATH        : win32_Keyboard.DeviceID="ACPI\\PNP0303\\4&1BD7F811&0"
__PROPERTY_COUNT : 23
__DERIVATION     : {CIM_Keyboard, CIM_UserDevice, CIM_LogicalDevice, CIM_LogicalElement...}
__SERVER        : DESKTOP-OG6LAA5
__NAMESPACE     : root\\cimv2
__PATH          : \\DESKTOP-OG6LAA5\\root\\cimv2:win32_Keyboard.DeviceID="ACPI\\PNP0303\\4&1BD7F811&0"
Availability     :
Caption         : Enhanced (101- or 102-key)
ConfigManagerErrorCode : 0
ConfigManagerUserConfig : False
CreationClassName : win32_Keyboard
Description     : Standard PS/2 Keyboard
DeviceID        : ACPI\\PNP0303\\4&1BD7F811&0
ErrorCleared    :
ErrorDescription :
InstallDate     :
```