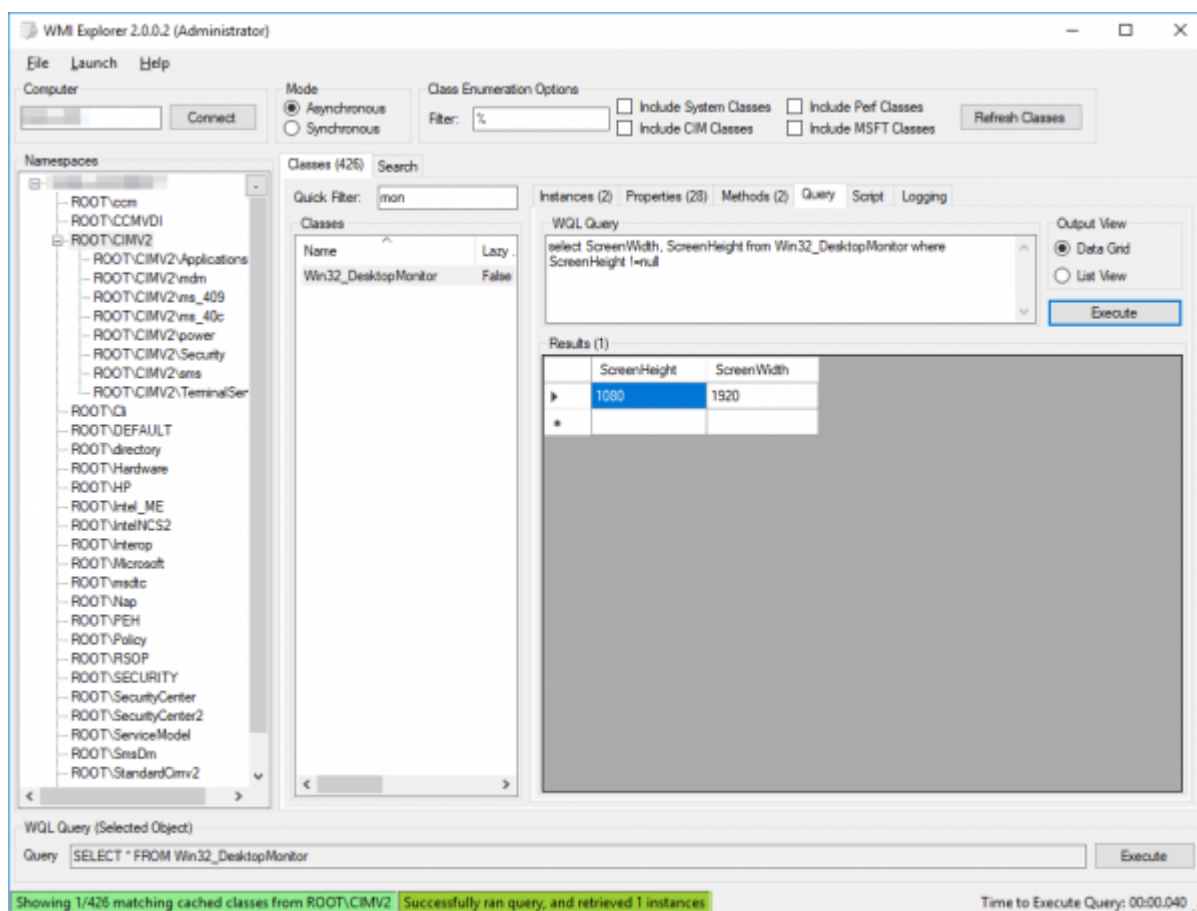


Utiliser les requêtes WMI sous Powershell

Voici comment on peut interroger à distance une information contenu dans les Windows Management Instrumentation (WMI) d'un poste.

```
$remoteuserlist = Get-WmiObject -query "SELECT * FROM Win32_UserAccount WHERE LocalAccount = 'True' and Name != 'Guest'" -computername $PC -verbose
```

Pour tester les requêtes, on peut utiliser l'application WMI Explorer disponible sur ce [site](#)



Exemple de requête:

Nom	Description	Espace de noms	Requête
Client Windows 10	Afficher la Version, le ProductType et l'architecture quand les postes sont sous Windows 10	root\CIMv2	select Version, ProductType, OSArchitecture from Win32_OperatingSystem where (Version like "10.%") and ProductType = "1"

Nom	Description	Espace de noms	Requête
Client Windows 10 x86	Afficher la Version, le ProductType et l'architecture quand les postes sont sous Windows 10 32 bit	root\CIMv2	select Version, ProductType, OSArchitecture from Win32_OperatingSystem where (Version like "10.%") and ProductType = "1" and OSArchitecture="32 bits"
Client Windows 10 x64	Afficher la Version, le ProductType et l'architecture quand les postes sont sous Windows 10 64 bit	root\CIMv2	select Version, ProductType, OSArchitecture from Win32_OperatingSystem where (Version like "10.%") and ProductType = "1" and OSArchitecture="64 bits"
Windows 10 Enterprise	Afficher la Version, le ProductType et l'architecture quand les postes sont sous Windows 10 Entreprise	root\CIMv2	SELECT Version, ProductType, Caption FROM Win32_OperatingSystem WHERE Version LIKE '10.%' AND ProductType='1' AND Caption LIKE '%Ent%'
Windows Server 2012	-	root\CIMv2	select * from Win32_OperatingSystem where Version like "6.2%" and ProductType = "3"
Windows 8	-	root\CIMv2	select * from Win32_OperatingSystem where Version like "6.2%" and ProductType = "1"
Windows Server 2008 R2	-	root\CIMv2	select * from Win32_OperatingSystem where Version like "6.1%" and ProductType = "3"
Windows 7	-	root\CIMv2	select * from Win32_OperatingSystem where Version like "6.1%" and ProductType = "1"
Windows 7 Enterprise	WMI Filter : Only Windows 7 Enterprise Editions	root\CIMv2	SELECT Version, ProductType, Caption FROM Win32_OperatingSystem WHERE Version LIKE '6.1.%' AND ProductType='1' AND Caption LIKE '%Ent%'
Windows Server 2008	-	root\CIMv2	select * from Win32_OperatingSystem where Version like "6.0%" and ProductType = "3"
Windows Vista	-	root\CIMv2	select * from Win32_OperatingSystem where Version like "6.0%" and ProductType = "1"
Windows Server 2003	-	root\CIMv2	select * from Win32_OperatingSystem where Version like "5.2%" and ProductType = "3"
Windows XP	-	root\CIMv2	select * from Win32_OperatingSystem where (Version like "5.1%" or Version like "5.2%") and ProductType = "1"
Résolution 16:9	Sortir la résolution de l'écran d'un poste dans la résolution à un ratio 16:9	root\CIMv2	SELECT ScreenWidth, ScreenHeight FROM Win32_DesktopMonitor WHERE ScreenWidth='1280' AND ScreenHeight='800' OR ScreenWidth='1440' AND ScreenHeight='900' OR ScreenWidth='1680' AND ScreenHeight='1050' OR ScreenWidth='1920' AND ScreenHeight='1080' OR ScreenWidth='1280' AND ScreenHeight='768'

Nom	Description	Espace de noms	Requête
Résolution 4:3	Sortir la résolution de l'écran d'un poste dans la résolution à un ratio 4:3	root\CIMv2	SELECT ScreenWidth, ScreenHeight FROM Win32_DesktopMonitor WHERE ScreenWidth='1024' AND ScreenHeight='768'
Résolution 5:4	Sortir la résolution de l'écran d'un poste dans la résolution à un ratio 5:4	root\CIMv2	SELECT ScreenWidth, ScreenHeight FROM Win32_DesktopMonitor WHERE ScreenWidth='1280' AND ScreenHeight='1024'
Serveur	Sortir uniquement les serveurs	root\CIMv2	Select * from Win32_ComputerSystem where DomainRole <> 0 and DomainRole <> 1
OS x86	Filtre les systèmes d'exploitation en x86	root\CIMv2	SELECT AddressWidth FROM Win32_Processor WHERE AddressWidth='32'
OS x64	Filtre les systèmes d'exploitation en x64	root\CIMv2	SELECT AddressWidth FROM Win32_Processor WHERE AddressWidth='64'
Laptops	Filtre les postes Laptops qui possèdent un status de batterie	root\CIMv2	Select * from Win32_Battery WHERE (BatteryStatus <> 0)

Retrouver le driver matériel utilisé par le Wifi:

```
Get-Ciminstance -classname Win32_PnPSignedDriver | Select-Object DeviceName, DriverVersion, Manufacturer, DeviceClass | Where-Object {($_.DeviceName - like ((Get-CimInstance -ClassName Win32_NetworkAdapter | Where-Object netconnectionid -eq 'Wi-Fi').name))} | Out-GridView
```

Dell Manufacturer is Dell:

```
SELECT * FROM Win32_ComputerSystem WHERE Manufacturer LIKE "%Dell%"
```

Models from Dell:

```
SELECT * FROM Win32_ComputerSystem WHERE Model LIKE "%Latitude E7440%"
```

```
SELECT * FROM Win32_ComputerSystem WHERE Model LIKE "%Optiplex 990%"
```

```
SELECT * FROM Win32_ComputerSystem WHERE Model LIKE "%Precision M6800%"
```

```
SELECT * FROM Win32_ComputerSystem WHERE Model LIKE "%Venue 11 Pro 7130%"
```

Hewlett-Packard Manufacturer is Hewlett-Packard:

```
SELECT * FROM Win32_ComputerSystem WHERE Manufacturer LIKE "%Hewlett-
```

Packard%

Models from Hewlett-Packard:

```
SELECT * FROM Win32_ComputerSystem WHERE Model LIKE "%HP EliteBook 8540p%"
```

```
SELECT * FROM Win32_ComputerSystem WHERE Model LIKE "%HP EliteBook 8560w%"
```

```
SELECT * FROM Win32_ComputerSystem WHERE Model LIKE "%ElitePad 1000%"
```

Lenovo Manufacturer is Lenovo:

```
SELECT * FROM Win32_ComputerSystem WHERE Manufacturer LIKE "%Lenovo%"
```

Models from Lenovo:

```
SELECT * FROM Win32_ComputerSystemProduct WHERE Version LIKE "%ThinkPad T420%"
```

```
SELECT * FROM Win32_ComputerSystemProduct WHERE Version LIKE "%ThinkPad W520%"
```

```
SELECT * FROM Win32_ComputerSystemProduct WHERE Version LIKE "%ThinkPad Edge E330%"
```

```
SELECT * FROM Win32_ComputerSystemProduct WHERE Version LIKE "%ThinkPad Tablet 2%"
```

Microsoft Hyper-V

```
SELECT * FROM Win32_ComputerSystem WHERE Manufacturer LIKE "%Microsoft Corporation%" AND Model LIKE "%Virtual Machine%"
```

VMWare

```
SELECT * FROM Win32_ComputerSystem WHERE Manufacturer LIKE "%VMware%" AND Model LIKE "%VMware Virtual Platform%"
```

From:

<http://poste2travail.free.fr/dokuwiki/> - **Poste2Travail**

Permanent link:

http://poste2travail.free.fr/dokuwiki/doku.php?id=script:powershell:query_wmi



Last update: **2020/10/19 16:26**