

Filtrer par OS vos GPO avec les filtres WMI

Information complémentaire

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Lors de la création de stratégie de groupe, il peut être intéressant de **filtrer la GPO seulement pour un type d'OS** (cela évitera entre autres que d'exécuter des GPO sur un OS qui n'en a pas besoin) . C'est possible **grâce aux filtres WMI**. Ainsi vous pourrez **filtrer par système d'exploitation**, ou encore par type d'ordinateur (desktop ou laptop). L'intérêt peut être également d'éviter de créer trop d'OU (Unité d'Organisation).

Filtres WMI par OS

Pour filtrer par système d'exploitation, nous utiliserons le numéro de version. J'ai fait un article pour que vous puissiez récupérer facilement votre numéro de version ou numéro de build.

Dans le cas d'un serveur, vous pouvez également « jouer » avec la variable « ProductType » qui permet de différencier les serveurs contrôleurs de domaines de ceux qui ne le sont pas.

ProductType= »2" pour les contrôleurs de domaine et ProductType= »3" pour les autres.

Voici **quelques exemples de filtres WMI** pour les systèmes d'exploitation Windows (vous retrouverez quelques exemples pour chaque types d'OS : 64 bits, 32bits, ou les deux) :

Windows Clients :

Windows 7

All

```
select Version from Win32_OperatingSystem WHERE Version like "6.1%" AND ProductType="1"
```

X64

```
select Version from Win32_OperatingSystem WHERE Version like "6.1%" AND ProductType="1" AND OSArchitecture = "64-bit"
```

X86

```
select Version from Win32_OperatingSystem WHERE Version like "6.1%" AND ProductType="1" AND
```

NOT OSArchitecture = "64-bit"

Windows 8

All

select Version from Win32_OperatingSystem WHERE Version like "6.2%" AND ProductType="1"

X64

select Version from Win32_OperatingSystem WHERE Version like "6.2%" AND ProductType="1" AND OSArchitecture = "64-bit"

X86

select Version from Win32_OperatingSystem WHERE Version like "6.2%" AND ProductType="1" AND NOT OSArchitecture = "64-bit"

Windows 8.1

All

select Version from Win32_OperatingSystem WHERE Version like "6.3%" AND ProductType="1"

X64

select Version from Win32_OperatingSystem WHERE Version like "6.3%" AND ProductType="1" AND OSArchitecture = "64-bit"

X86

select Version from Win32_OperatingSystem WHERE Version like "6.3%" AND ProductType="1" AND NOT OSArchitecture = "64-bit"

Windows 7, 8 and 8.1 (all versions before 10)

All

select Version from Win32_OperatingSystem WHERE Version like "6.%" AND ProductType="1"

X64

```
select Version from Win32_OperatingSystem WHERE Version like "6.%" AND ProductType="1" AND OSArchitecture = "64-bit"
```

X86

```
select Version from Win32_OperatingSystem WHERE Version like "6.%" AND ProductType="1" AND NOT OSArchitecture = "64-bit"
```

Windows 10 all builds**All**

```
select Version from Win32_OperatingSystem WHERE Version like "10.%" AND ProductType="1"
```

X64

```
select Version from Win32_OperatingSystem WHERE Version like "10.%" AND ProductType="1" AND OSArchitecture = "64-bit"
```

X86

```
select Version from Win32_OperatingSystem WHERE Version like "10.%" AND ProductType="1" AND NOT OSArchitecture = "64-bit"
```

Windows 10 1507**All**

```
select Version from Win32_OperatingSystem WHERE Version like "10.0.10240" AND ProductType="1"
```

X64

```
select Version from Win32_OperatingSystem WHERE Version like "10.0.10240" AND ProductType="1" AND OSArchitecture = "64-bit"
```

X86

select Version from Win32_OperatingSystem WHERE Version like "10.0.10240" AND ProductType="1"
AND NOT OSArchitecture = "64-bit"

Windows 10 1511

All

select Version from Win32_OperatingSystem WHERE Version like "10.0.10586" AND ProductType="1"

X64

select Version from Win32_OperatingSystem WHERE Version like "10.0.10586" AND ProductType="1"
AND OSArchitecture = "64-bit"

X86

select Version from Win32_OperatingSystem WHERE Version like "10.0.10586" AND ProductType="1"
AND NOT OSArchitecture = "64-bit"

Windows 10 1607

All

select Version from Win32_OperatingSystem WHERE Version like "10.0.14393" AND ProductType="1"

X64

select Version from Win32_OperatingSystem WHERE Version like "10.0.14393" AND ProductType="1"
AND OSArchitecture = "64-bit"

X86

select Version from Win32_OperatingSystem WHERE Version like "10.0.14393" AND ProductType="1"
AND NOT OSArchitecture = "64-bit"

Windows 10 1703

All

select Version from Win32_OperatingSystem WHERE Version like "10.0.15063" AND ProductType="1"

X64

select Version from Win32_OperatingSystem WHERE Version like "10.0.15063" AND ProductType="1"
AND OSArchitecture = "64-bit"

X86

select Version from Win32_OperatingSystem WHERE Version like "10.0.15063" AND ProductType="1"
AND NOT OSArchitecture = "64-bit"

Windows 10 1709

All

select Version from Win32_OperatingSystem WHERE Version like "10.0.16299" AND ProductType="1"

X64

select Version from Win32_OperatingSystem WHERE Version like "10.0.16299" AND ProductType="1"
AND OSArchitecture = "64-bit"

X86

select Version from Win32_OperatingSystem WHERE Version like "10.0.16299" AND ProductType="1"
AND NOT OSArchitecture = "64-bit"

Windows 10 1803

All

select Version from Win32_OperatingSystem WHERE Version like "10.0.17134" AND ProductType="1"

X64

select Version from Win32_OperatingSystem WHERE Version like "10.0.17134" AND ProductType="1"
AND OSArchitecture = "64-bit"

X86

select Version from Win32_OperatingSystem WHERE Version like "10.0.17134" AND ProductType="1"
AND NOT OSArchitecture = "64-bit"

Windows 10 1809**All**

select Version from Win32_OperatingSystem WHERE Version like "10.0.17763" AND ProductType="1"

X64

select Version from Win32_OperatingSystem WHERE Version like "10.0.17763" AND ProductType="1"
AND OSArchitecture = "64-bit"

X86

select Version from Win32_OperatingSystem WHERE Version like "10.0.17763" AND ProductType="1"
AND NOT OSArchitecture = "64-bit"

Windows 10 1903**All**

select Version from Win32_OperatingSystem WHERE Version like "10.0.18362" AND ProductType="1"

X64

select Version from Win32_OperatingSystem WHERE Version like "10.0.18362" AND ProductType="1"
AND OSArchitecture = "64-bit"

X86

select Version from Win32_OperatingSystem WHERE Version like "10.0.18362" AND ProductType="1"
AND NOT OSArchitecture = "64-bit"

Windows 10 1909

All

```
select Version from Win32_OperatingSystem WHERE Version like "10.0.18363" AND ProductType="1"
```

X64

```
select Version from Win32_OperatingSystem WHERE Version like "10.0.18363" AND ProductType="1"  
AND OSArchitecture = "64-bit"
```

X86

```
select Version from Win32_OperatingSystem WHERE Version like "10.0.18363" AND ProductType="1"  
AND NOT OSArchitecture = "64-bit"
```

Windows Server :**Windows Server 2003 R2**

```
select Version from Win32_OperatingSystem WHERE Version LIKE "5.2%"
```

Windows Server 2008

```
select Version from Win32_OperatingSystem WHERE Version LIKE "6.0%" AND ( ProductType = "2" or  
ProductType = "3" )
```

Windows Server 2008 R2

```
select Version from Win32_OperatingSystem WHERE Version LIKE "6.1%" AND ( ProductType = "2" or  
ProductType = "3" )
```

Windows Server 2012

```
select Version from Win32_OperatingSystem WHERE Version LIKE "6.2%" AND ( ProductType = "2" or  
ProductType = "3" )
```

Filtrer seulement les Windows Clients

```
select ProductType FROM Win32_OperatingSystem WHERE ProductType = "1"
```

Filtrer seulement les Windows Servers

```
select ProductType from Win32_OperatingSystem where (ProductType = « 2 ») OR (ProductType = « 3 »)
```

Comment mettre en place un filtre WMI sur une GPO ?

Depuis la console de stratégie de groupe du serveur (**gpmc.msc**), créer un nouveau filtre WMI depuis le dossier « **WMI Filters** ». Effectuez un clic droit, puis « Nouveau... »



Ici, rentrer un nom qui colle bien à votre GPO, puis cliquer sur « Ajouter » pour ajouter votre requête WMI.

C'est ici que vous collez la requête WMI qui permettra d'effectuer le filtre.

 Vous pouvez ensuite appliquer le filtre, toujours depuis la console de stratégie de groupe, en sélectionnant votre GPO, et en appliquant votre nouveau filtre.



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