



WMI Abfragen

WMI Filter für Gruppenrichtlinien, richtig definiert und eingesetzt, sind wahre Helfer bei der Zielbestimmung.

Ein OS Client System abfragen:

```
SELECT Version,ProductType FROM Win32_OperatingSystem WHERE Version LIKE "<Version>" AND ProductType = "1"
```

Für <Version> stehen folgende Werte zur Verfügung:

- Windows 8.1: 6.3%
- Windows 8: 6.2%
- Windows 7: 6.1%
- Windows Vista: 6.0%
- Windows XP: 5.1%

Bei Windows 10 verwenden wir zur Unterscheidung die interne und vollständige Versionsnummer.

```
SELECT Version,BuildNumber,ProductType FROM Win32_OperatingSystem WHERE Version LIKE "<Version>" AND BuildNumber = "<Build>" AND ProductType = "1"
```

Für <Version> stehen folgende Werte zur Verfügung:

- Windows 10 allgemein: 10.0%
- Windows 10 Version 1803: in Kürze
- Windows 10 Version 1709: 10.0.16299
- Windows 10 Version 1703: 10.0.15063
- Windows 10 Version 1607: 10.0.14393
- Windows 10 Version 1511: 10.0.10586
- Windows 10 Version 1507: 10.0.10240

Für <Build> stehen folgende Werte zur Verfügung:

- Windows 10 Version 1803: in Kürze
- Windows 10 Version 1709: 16299
- Windows 10 Version 1703: 15063
- Windows 10 Version 1607: 14393
- Windows 10 Version 1511: 10586
- Windows 10 Version 1507: 10240

Ein OS Server System abfragen:

Für <Version> stehen folgende Werte zur Verfügung:

- Windows Server 2016 allgemein: 10.0%
- Windows Server 2016 Version 1607: 10.0.14393
- Windows Server 2012 R2: 6.3%
- Windows Server 2012: 6.2%
- Windows Server 2008 R2: 6.1%
- Windows Server 2008: 6.0%
- Windows Server 2003 R2: 5.2%

Für <Build> stehen folgende Werte zur Verfügung:

- Windows Server 2016: 14393
- Windows Server 2012 R2: 9600
- Windows Server 2012: 9200



WMI Abfragen

Für <ProductType> stehen folgende Werte zur Verfügung:

Client: ProductType="1"

Server: ProductType="3"

Domain Controller: ProductType="2"

Ein Office abfragen:

```
SELECT path,filename,extension,version FROM CIM_DataFile WHERE (path='\\Program Files\\Microsoft Office\\<Folder>\\' OR path='\\Program Files (x86)\\Microsoft Office\\<Folder>\\') AND filename='winword' AND extension='exe' AND version > '<Version>'
```

Für <Folder> und <Version> stehen folgende Werte zur Verfügung:

Microsoft Office 2016: Office16 / 16.0

Microsoft Office 2013: Office15 / 15.0

Microsoft Office 2010: Office14 / 14.0

Microsoft Office 2007: Office13 / 13.0

Microsoft Office 2003: Office12 / 13.0

Abfragen einer Architektur:

```
SELECT OSArchitecture FROM Win32_OperatingSystem WHERE OSArchitecture="64-Bit"  
SELECT OSArchitecture FROM Win32_OperatingSystem WHERE OSArchitecture="32-Bit"
```

Abfragen einer Server-Rolle:

Remote Desktop Session Host

```
SELECT TerminalServerMode FROM Win32_TerminalServiceSetting WHERE  
TerminalServerMode = 1
```

IIS (Internet Information Services)

```
SELECT Name FROM Win32_ServerFeature WHERE Name = 'Web Server (IIS)'  
SELECT path,filename,extension FROM CIM_DataFile WHERE (path='\\inetpub\\') AND  
filename='public' AND extension='wmi'
```

Spezielle Abfrage Citrix:

```
SELECT FarmName FROM Citrix_Farm WHERE FarmName = '<Farm-Name>'
```

Abfrage einer Applikation:

Google Chrome

```
SELECT path,filename,extension,version FROM CIM_DataFile WHERE (path='\\Program Files\\Google\\Chrome\\Application\\' OR path='\\Program Files  
(x86)\\Google\\Chrome\\Application\\') AND filename='chrome' AND extension='exe'
```



WMI Abfragen

Weitere Client abfragen:

ANY WINDOWS DESKTOP OS

Any Windows Desktop OS – Version 1

```
select * from Win32_OperatingSystem WHERE ProductType = "1"
```

Any Windows Desktop OS – Version 2 (better for Win7 sometimes)

```
select * from Win32_OperatingSystem WHERE (ProductType <> "2") AND (ProductType <> "3")
```

Any Windows Desktop OS – 32-bit

```
select * from Win32_OperatingSystem WHERE ProductType = "1" AND NOT OSArchitecture = "64-bit"
```

Any Windows Desktop OS – 64-bit

```
select * from Win32_OperatingSystem WHERE ProductType = "1" AND OSArchitecture = "64-bit"
```

WINDOWS XP

```
select * from Win32_OperatingSystem WHERE (Version like "5.1%" or Version like "5.2%") AND ProductType="1"
```

Windows XP – 32-bit

```
select * from Win32_OperatingSystem WHERE (Version like "5.1%" or Version like "5.2%") AND ProductType="1" AND NOT OSArchitecture = "64-bit"
```

Windows XP – 64-bit

```
select * from Win32_OperatingSystem WHERE (Version like "5.1%" or Version like "5.2%") AND ProductType="1" AND OSArchitecture = "64-bit"
```

WINDOWS VISTA

```
select * from Win32_OperatingSystem WHERE Version like "6.0%" AND ProductType="1"
```

Windows Vista – 32-bit

```
select * from Win32_OperatingSystem WHERE Version like "6.0%" AND ProductType="1" AND NOT OSArchitecture = "64-bit"
```

Windows Vista – 64-bit

```
select * from Win32_OperatingSystem WHERE Version like "6.0%" AND ProductType="1" AND OSArchitecture = "64-bit"
```

WINDOWS 7

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

Windows 7 – 32-bit

```
select * from Win32_OperatingSystem WHERE Version like "6.1%" AND ProductType="1" AND NOT OSArchitecture = "64-bit"
```

Windows 7 – 64-bit

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

WINDOWS 8

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

Windows 8 – 32-bit

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

Windows 8 – 64-bit

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

WINDOWS 8.1

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

Windows 8.1 – 32-bit

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



WMI Abfragen

Windows 8.1 – 64-bit

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

WINDOWS 10

```
select * from Win32_OperatingSystem WHERE Version like "10.%" AND ProductType="1" Windows 10 – 32-bit
```

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

Windows 10 – 64-bit

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

Weitere Server abfragen:

ANY WINDOWS SERVER OS

Any Windows Server OS

```
select * from Win32_OperatingSystem where (ProductType = "2") OR (ProductType = "3")
```

Any Windows Server OS – 32-bit

```
select * from Win32_OperatingSystem where (ProductType = "2") OR (ProductType = "3") AND NOT OSArchitecture = "64-bit"
```

Any Windows Server OS – 64-bit

```
select * from Win32_OperatingSystem where (ProductType = "2") OR (ProductType = "3") AND OSArchitecture = "64-bit"
```

Any Windows Server – Domain Controller

```
select * from Win32_OperatingSystem where (ProductType = "2")
```

Any Windows Server – Domain Controller – 32-bit

```
select * from Win32_OperatingSystem where (ProductType = "2") AND NOT OSArchitecture = "64-bit"
```

Any Windows Server – Domain Controller – 64-bit

```
select * from Win32_OperatingSystem where (ProductType = "2") AND OSArchitecture = "64-bit"
```

Any Windows Server – Non-Domain Controller

```
select * from Win32_OperatingSystem where (ProductType = "3")
```

Any Windows Server – Non-Domain Controller – 32-bit

```
select * from Win32_OperatingSystem where (ProductType = "3") AND NOT OSArchitecture = "64-bit"
```

Any Windows Server – Non-Domain Controller – 64-bit

```
select * from Win32_OperatingSystem where (ProductType = "3") AND OSArchitecture = "64-bit"
```

WINDOWS SERVER 2003

Windows Server 2003 – DC

```
select * from Win32_OperatingSystem WHERE Version like "5.2%" AND ProductType="2"
```

Windows Server 2003 – non-DC

```
select * from Win32_OperatingSystem WHERE Version like "5.2%" AND ProductType="3"
```

Windows Server 2003 – 32-bit – DC

```
select * from Win32_OperatingSystem WHERE Version like "5.2%" AND ProductType="2" AND NOT OSArchitecture = "64-bit"
```

Windows Server 2003 – 32-bit – non-DC

```
select * from Win32_OperatingSystem WHERE Version like "5.2%" AND ProductType="3" AND NOT OSArchitecture = "64-bit"
```

Windows Server 2003 – 64-bit – DC

```
select * from Win32_OperatingSystem WHERE Version like "5.2%" AND ProductType="2" AND OSArchitecture = "64-bit"
```



WMI Abfragen

Windows Server 2003 – 64-bit – non-DC

```
select * from Win32_OperatingSystem WHERE Version like "5.2%" AND ProductType="3" AND OSArchitecture = "64-bit"
```

WINDOWS SERVER 2003 R2

Windows Server 2003 R2 – DC

```
select * from Win32_OperatingSystem WHERE Version like "5.2.3%" AND ProductType="2"
```

Windows Server 2003 R2 – non-DC

```
Select * from Win32_OperatingSystem WHERE Version like "5.2.3%" AND ProductType="3"
```

Windows Server 2003 R2 – 32-bit – DC

```
select * from Win32_OperatingSystem WHERE Version like "5.2.3%" AND ProductType="2" AND NOT OSArchitecture = "64-bit"
```

Windows Server 2003 R2 – 32-bit – non-DC

```
select * from Win32_OperatingSystem WHERE Version like "5.2.3%" AND ProductType="3" AND NOT OSArchitecture = "64-bit"
```

Windows Server 2003 R2 – 64-bit – DC

```
select * from Win32_OperatingSystem WHERE Version like "5.2.3%" AND ProductType="2" AND OSArchitecture = "64-bit"
```

Windows Server 2003 R2 – 64-bit – non-DC

```
select * from Win32_OperatingSystem WHERE Version like "5.2.3%" AND ProductType="3" AND OSArchitecture = "64-bit"
```

WINDOWS SERVER 2008

Windows Server 2008 – DC

```
select * from Win32_OperatingSystem WHERE Version like "6.0%" AND ProductType="2"
```

Windows Server 2008 – non-DC

```
select * from Win32_OperatingSystem WHERE Version like "6.0%" AND ProductType="3"
```

Windows Server 2008 – 32-bit – DC

```
select * from Win32_OperatingSystem WHERE Version like "6.0%" AND ProductType="2" AND NOT OSArchitecture = "64-bit"
```

Windows Server 2008 – 32-bit – non-DC

```
select * from Win32_OperatingSystem WHERE Version like "6.0%" AND ProductType="3" AND NOT OSArchitecture = "64-bit"
```

Windows Server 2008 – 64-bit – DC

```
select * from Win32_OperatingSystem WHERE Version like "6.0%" AND ProductType="2" AND OSArchitecture = "64-bit"
```

Windows Server 2008 – 64-bit – non-DC

```
select * from Win32_OperatingSystem WHERE Version like "6.0%" AND ProductType="3" AND OSArchitecture = "64-bit"
```

WINDOWS SERVER 2008 R2

Windows Server 2008 R2 – 64-bit – DC

```
select * from Win32_OperatingSystem WHERE Version like "6.1%" AND ProductType="2"
```

Windows Server 2008 R2 – 64-bit – non-DC

```
select * from Win32_OperatingSystem WHERE Version like "6.1%" AND ProductType="3"
```

WINDOWS SERVER 2012

Windows Server 2012 – 64-bit – DC

```
select * from Win32_OperatingSystem WHERE Version like "6.2%" AND ProductType="2"
```

Windows Server 2012 – 64-bit – non-DC

```
select * from Win32_OperatingSystem WHERE Version like "6.2%" AND ProductType="3"
```

WINDOWS SERVER 2012 R2

Windows Server 2012 R2 – 64-bit – DC

```
select * from Win32_OperatingSystem WHERE Version like "6.3%" AND ProductType="2"
```



WMI Abfragen

Windows Server 2012 R2 – 64-bit – non-DC

```
select * from Win32_OperatingSystem WHERE Version like "6.3%" AND ProductType="3"
```

WINDOWS SERVER 2016

Windows Server 2016 – 64-bit – DC

```
select * from Win32_OperatingSystem WHERE Version like "10.0%" AND ProductType="2"
```

Windows Server 2016 – 64-bit – non-DC

```
select * from Win32_OperatingSystem WHERE Version like "10.0%" AND ProductType="3"
```