Collect Information about local computers

# Get information about the local desktops:

Get-CimInstance -ClassName Win32\_Desktop

PS C:\WINDOWS\system32> Get-CimInstance -ClassName Win32\_Desktop

SettingID Name ScreenSaverActive ScreenSaverSecure ScreenSaverTimeout

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NT AUTHORITY\SYSTEM False

NT AUTHORITY\LOCAL SERVICE False

NT AUTHORITY\NETWORK SERVICE False

DESKTOP-QUMUQVJ\Ricardo Scarello False

NT SERVICE\SSISScaleOutWorker150 False

NT SERVICE\SSASTELEMETRY False

NT SERVICE\SSISScaleOutMaster150 False

NT SERVICE\SQLTELEMETRY$SQLEXPRESS False

NT SERVICE\SSISTELEMETRY150 False

NT SERVICE\MSSQLServerOLAPService False

NT SERVICE\MsDtsServer150 False

NT SERVICE\MSSQL$SQLEXPRESS False

.DEFAULT False

PS C:\WINDOWS\system32>

# Use a filter to reduce the Sim entry:

Get-CimInstance -ClassName Win32\_Desktop | Select-Object -ExcludeProperty "CIM\*"

# Get Bios information:

Get-CimInstance -ClassName Win32\_BIOS

# Get Processor Information:

Get-CimInstance -ClassName Win32\_Processor | Select-Object -ExcludeProperty "CIM\*"

# Filter the Processor to system type:

Get-CimInstance -ClassName Win32\_ComputerSystem | Select-Object -Property SystemType

# List Manufacturer and Model:

Get-CimInstance -ClassName Win32\_ComputerSystem

# List installed Hot fixes:

Get-CimInstance -ClassName Win32\_QuickFixEngineering

# Additional Hot Fix filter:

Get-CimInstance -ClassName Win32\_QuickFixEngineering -Property HotFixID

# Additional Filter:

Get-CimInstance -ClassName Win32\_QuickFixEngineering -Property HotFixId | Select-Object -Property HotFixId

# List OS Information:

Get-CimInstance -ClassName Win32\_OperatingSystem |

Select-Object -Property BuildNumber,BuildType,OSType,ServicePackMajorVersion,ServicePackMinorVersion

# Use a Wildcard:

Get-CimInstance -ClassName Win32\_OperatingSystem | Select-Object -Property Build\*,OSType,ServicePack\*

# List local Users and Owners:

Get-CimInstance -ClassName Win32\_OperatingSystem |

Select-Object -Property NumberOfLicensedUsers,NumberOfUsers,RegisteredUser

PS C:\WINDOWS\system32> Get-CimInstance -ClassName Win32\_OperatingSystem |

>> Select-Object -Property NumberOfLicensedUsers,NumberOfUsers,RegisteredUser

>>

NumberOfLicensedUsers NumberOfUsers RegisteredUser

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PS C:\WINDOWS\system32>

# Using Wildcard:

Get-CimInstance -ClassName Win32\_OperatingSystem | Select-Object -Property \*user\*

# Get Available disk space:

Get-CimInstance -ClassName Win32\_LogicalDisk -Filter "DriveType=3"

PS C:\WINDOWS\system32> Get-CimInstance -ClassName Win32\_LogicalDisk -Filter "DriveType=3"

DeviceID DriveType ProviderName VolumeName Size FreeSpace

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C: 3 2047763017728 1832444907520

D: 3 DATA 1000203087872 998419574784

PS C:\WINDOWS\system32>

# Additional filter:

Get-CimInstance -ClassName Win32\_LogicalDisk -Filter "DriveType=3" |

Measure-Object -Property FreeSpace,Size -Sum |

Select-Object -Property Property,Sum

PS C:\WINDOWS\system32> Get-CimInstance -ClassName Win32\_LogicalDisk -Filter "DriveType=3" |

>> Measure-Object -Property FreeSpace,Size -Sum |

>> Select-Object -Property Property,Sum

>>

Property Sum

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FreeSpace 2830862270464

Size 3047966105600

PS C:\WINDOWS\system32>

# Get Logon Session Information:

Get-CimInstance -ClassName Win32\_LogonSession

PS C:\WINDOWS\system32> Get-CimInstance -ClassName Win32\_LogonSession

LogonId Name LogonType StartTime Status AuthenticationPackage

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999 0 8/21/2021 12:40:44 PM NTLM

997 5 8/21/2021 12:40:44 PM Negotiate

996 5 8/21/2021 12:40:45 PM Negotiate

614721 2 8/21/2021 12:41:02 PM CloudAP

614666 2 8/21/2021 12:41:02 PM CloudAP

335340 5 8/21/2021 12:40:49 PM Negotiate

335190 5 8/21/2021 12:40:49 PM Negotiate

335209 5 8/21/2021 12:40:49 PM Negotiate

334694 5 8/21/2021 12:40:49 PM Negotiate

336144 5 8/21/2021 12:40:49 PM Negotiate

331929 5 8/21/2021 12:40:49 PM Negotiate

331743 5 8/21/2021 12:40:49 PM Negotiate

331744 5 8/21/2021 12:40:49 PM Negotiate

97420 2 8/21/2021 12:40:45 PM Negotiate

97372 2 8/21/2021 12:40:45 PM Negotiate

61845 2 8/21/2021 12:40:44 PM Negotiate

61846 2 8/21/2021 12:40:44 PM Negotiate

PS C:\WINDOWS\system32>

# Get user logged onto the computer:

Get-CimInstance -ClassName Win32\_ComputerSystem -Property UserName

# Get local time:

Get-CimInstance -ClassName Win32\_LocalTime

PS C:\WINDOWS\system32> Get-CimInstance -ClassName Win32\_LocalTime

Day : 24

DayOfWeek : 2

Hour : 17

Milliseconds :

Minute : 38

Month : 8

Quarter : 3

Second : 56

WeekInMonth : 4

Year : 2021

PSComputerName :

PS C:\WINDOWS\system32>