

Get-AzurePrice

Purpose:

Lists the price for a specified VM or managed disk

Usage:

```
Get-AzurePrice -VMType <vmtype> [-Reservation <reservation>] [-AHB] [-Currency <currency>]
```

```
Get-AzurePrice -DiskType <disktype> [-Redundancy <redundancy>] [-Currency <currency>]
```

Get-AzurePrice -VMType [...] displays estimated monthly fee for a given VM type

<vmtype>	must be written exactly as in the price table, including proper capitalization. The space may be replaced by an underscore, e.g. use "D4s v4" or "D4s_v5"
<reservation>	is 0, 1, or 3 (years). If omitted, all three values will be reported, separated by semicolons
<currency>	can be any valid three-letter currency code, default value is EUR

-AHB if this switch is given, prices are given without windows license (i.e. using Azure Hybrid Benefit)

Get-AzurePrice -DiskType [...] displays estimated monthly fee for a given disk type

<disktype>	must be written exactly as in the price table, including proper capitalization, e.g. "E10" or "S20"
<redundancy>	is either LRS or ZRS, default is LRS
<currency>	can be any valid three-letter currency code, default value is EUR

Get-ConnectedNICs

Purpose:

List network interfaces in given subscriptions with IP address, VNet name, network address and DNS record, also tests whether NIC is responding to pings

Usage:

```
Get-ConnectedNICs [-subscriptionFilter <filterexpression>] [-outFile <outfilename>] [-noPing]
  -subscriptionFilter mandatory parameter, list NICs in subscriptions matching the filter
  -outFile             writes results to a semicolon-separated CSV format if this parameter
                      is given
  -noPing              skips testing whether the NIC is responding to a ping
```

Get-FileAccesses

Purpose:

provides count and size statistics about file extensions and ages on file storages

Usage:

```
Get-FileAccesses -serverName <servername> [-shareName <sharename>] [-onAccess] [-noAges]
[-noExtensions] [-priority (BelowNormal | Normal | AboveNormal | High | Realtime)]
  -serverName    Mandatory, evaluates data on given share(s) of <servername>
  -shareName     Analyzes files on the given share.
                  If omitted, analyzes data on all non-hidden shares of the given
                  server.
  -onAccess      Uses lastAccess for age calculation.
                  If omitted, uses lastwrite for age calculation
  -noAges        Ignores file age, lists by extensions only (if -noExtensions is not
                  given)
  -noExtensions  Ignores extensions, lists by age only (if -noAge is not given)
                  If BOTH -no... switches are given, script only returns total file
                  count and size
  -priority      Starts process with given priority. Use with care.
                  Possible values are BelowNormal | Normal | AboveNormal | High |
                  Realtime
```

Examples:

to list file count and size by age, based on last accessed date'

```
Get-FileAccesses -ServerName myserver -ShareName myshare -onAccess -noExtensions
```

to see all properties in table format, use ft -Property *

```
Get-FileAccesses -ServerName myserver -ShareName myshare | ft -Property *
```

Get-NSGRules

Purpose:

Lists the NSG rules in the given subscriptions in a summarized or detailed way

Usage:

```
Get-NSGRules -subscriptionFilter <filterexpression> [-details | -briefDetails]
  -subscriptionfilter mandatory parameter, list NSGs in subscriptions matching the filter
  -details             list all rules in order of their priority
  -briefDetails        list every rule, but fewer details
                      if neither "details" switch is present, then all open ports are
                      listed, regardless of the actual source and target networks.
                      Since this mixes rules, it gives you an overview of ports but no
                      reliable information about security
```

Get-PrinterQueues

Purpose:

Lists all printer queues on all computers matching the filter.
The <filter> can be a computer name but also include wildcards
The output will be for the each printer on the matching computer(s),
name of computer, printer, driver, and printer IP address.

Usage:

```
Get-PrinterQueues -computerFilter <filter> [-details] [-ping] [-outFile <outfilename>]
  -computerFilter      name(s) of computer(s) whose queues shall be displayed. Filter may contain
                      wildcards
  -details             Give additional details for each printer: name of shared printer, location,
                      comment, and port name
  -ping               will try to ping each printer and output an additional field 'IsLive'
  -outFile            if given, exports result into a semicolon-separated CSV file
```

Get-VirtualMachineInfo

Purpose:

Lists the VMs, their SKU and their disks

Usage:

```
Get-VirtualMachineInfos -subscriptionFilter <filterexpression>
[-disks [-asString | -aggregatedString] [-ipAddresses] [-ping]
[-outFile <filename> [-separator <separator>]]]
Get-VirtualMachineInfos -subscriptionFilter <filterexpression> -all
[-asString | -aggregatedString] [-outFile <filename> [-separator <separator>]]
```

Returns a list of all subscriptions, virtual machines, their SKU, IP addresses, and SKUs of
attached disks in subscriptions matching the filter

```
-all             includes -disks, -ipAddresses, -ping
-disks           show OS and data disk SKUs
-asString        shows the disks in string format
-aggregatedString shows the disks in an aggregated string format
-ipAddresses     show IP address(es)
-ping           ping VM to see whether it is live
-outFile        if given, exports result into a CSV file
-separator       separator for items in CSV file, default is semicolon
```

Get-VirtualNetworks

Purpose:

Lists all virtual networks, subnets, IP addresses and -ranges for the specified subscription(s)

Usage:

```
Get-VirtualNetworks -subscriptionFilter <filterexpression> [-outFile <outfilename>]
[-excludeSubnets]
```

-subscriptionFilter	mandatory. Lists networks in subscriptions matching the filter
-outFile	will write output into semicolon-separated CSV file, otherwise output is a list of objects
-excludeSubnets	will only list VNets, not subnets

Get-AzureResourceData

Purpose:

Returns a list of resources of selected type(s) in selected subscription(s), along with some properties and metrics.

Usage:

```
Get-AzureResourceData -subscriptionFilter <filterexpression> [-VMs] [-SqlServer] [DbAas]
[-Storage] [-ResourceList [-details]]
                        [-outFile <filename> [-separator]]
Get-AzureResourceData -subscriptionFilter <filterexpression> [-all]
[-ResourceList [-details]] [-outFile <filename> [-separator]]

    -subscriptionFilter single filter or comma-separated list of filters. All subscriptions
whose name matches the filter expression will be analysed.
    -VMs                show VMs and their properties
    -SqlServer          show SQL server VM properties
    -DbAas              show Azure SQL (databasesaaS)
    -Storage            show storage accounts
    -Snapshot           show snapshots
    -all                all of the above switches
    -ResourceList       show count of resource types in subscription
    -details            show list of resources in subscription
    -outFile            if given, exports result into a CSV file
                        NOTE: separate files will be created for different resource types.
                        Two characters will be added to the file names to make them different.
    -separator          separator for items in CSV file, default is semicolon
    -whatIf             Just display the names of the subscriptions which would be analysed
```

NOTE: you may adjust this script e.g. to add or remove metrics. These parts of the code are marked with # >>>> and # <<<<. refer to the comments for further information.