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Windows PowerShell Get-Help on Cmdlet 'Get-DnsClientCache'

PS:\>Get-HELP Get-DnsClientCache -Full

NAME

Get-DnsClientCache

SYNOPSIS

Retrieves the contents of the DNS client cache.

SYNTAX

```
Get-DnsClientCache [[-Entry] <String[]>] [-AsJob] [-CimSession <CimSession[]>] [-Data <String[]>] [-DataLength
<UInt16[]>] [-Name <String[]>] [-Section {Answer |
    Authority | Additional}] [-Status {Success | NotExist | NoRecords}] [-ThrottleLimit <Int32>] [-TimeToLive <UInt32[]>] [-Type
{A | NS | CNAME | SOA | PTR | MX | AAAA |
    SRV}] [<CommonParameters>]
```

DESCRIPTION

The Get-DnsClientCache cmdlet retrieves the contents of the local DNS client cache.

PARAMETERS

-AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

The cmdlet immediately returns an object that represents the job and then displays the command prompt. You can continue to work in the session while the job

completes. To manage the job, use the `*-Job` cmdlets. To get the job results, use the Receive-Job (<https://go.microsoft.com/fwlink/?LinkId=113372>) cmdlet.

For more information about Windows PowerShell background jobs, see [about_Jobs](#) (<https://go.microsoft.com/fwlink/?LinkId=113251>).

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-CimSession <CimSession[]>

Runs the cmdlet in a remote session or on a remote computer. Enter a computer name or a session object, such as the output of a New-CimSession

(<https://go.microsoft.com/fwlink/p/?LinkId=227967>) or

[Get-CimSession] (<https://go.microsoft.com/fwlink/p/?LinkId=227966>) cmdlet. The default is the current session on the local computer.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Data <String[]>

Specifies the record data.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-DataLength <UInt16[]>

Specifies the record data length.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-Entry <String[]>

Specifies the cache entry name.

Required? false
Position? 0
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-Name <String[]>

Specifies the record name.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-Section <Section[]>

Specifies the record section. The acceptable values for this parameter are:

- Answer

- Authority

- Additional

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Status <Status[]>

Specifies the record status. The acceptable values for this parameter are:

- Success

- NotExist

- NoRecords

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ThrottleLimit <Int32>

Specifies the maximum number of concurrent operations that can be established to run the cmdlet. If this parameter is omitted or a value of `0` is entered, then

Windows PowerShell calculates an optimum throttle limit for the cmdlet based on the number of CIM cmdlets that are running on the computer. The throttle limit

applies only to the current cmdlet, not to the session or to the computer.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-TimeToLive <UInt32[]>

Specifies the record time-to-live, in seconds.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Type <Type[]>

Specifies the record type. The acceptable values for this parameter are:

- A

- NS

- CNAME

- SOA

- PTR

- MX

- AAAA

- SRV

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (<https://go.microsoft.com/fwlink/?LinkId=113216>).

INPUTS

None

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#root\StandardCimv2\MSFT_DnsClientCache

The `Microsoft.Management.Infrastructure.CimInstance` object is a wrapper class that displays Windows Management Instrumentation (WMI) objects. The path after the pound sign (`#`) provides the namespace and class name for the underlying WMI object.

The MSFT_DnsClientCache object contains all of the entries in the DNS client cache.

NOTES

----- Example 1: Get the DNS client cache -----

PS C:\> Get-DnsClientCache

This example gets the contents of the DNS client cache.

RELATED LINKS

Online

Version:

https://learn.microsoft.com/powershell/module/dnsclient/get-dnsclientcache?view=windowsserver2022-ps&wt.mc_id=ps-get-help

[Clear-DnsClientCache](#)