



python



PowerShell

FPDF Library
PDF generator

Full credit is given to the above companies including the OS that this PDF file was generated!

PowerShell Get-Help on command 'Resolve-DnsName'

PS C:\Users\wahid> Get-Help Resolve-DnsName

NAME

Resolve-DnsName

SYNOPSIS

Performs a DNS name query resolution for the specified name.

SYNTAX

```
Resolve-DnsName [-Name] <String> [[-Type] {UNKNOWN | A_AAAA | A | NS | MD | MF  
| CNAME | SOA | MB | MG | MR | NULL | WKS | PTR | HINFO | MINFO | MX | TXT |  
RP | AFSDDB | X25 | ISDN | RT | AAAA | SRV | DNAME | OPT | DS | RRSIG | NSEC |  
DNSKEY | DHCID | NSEC3 | NSEC3PARAM | ANY | ALL | WINS}] [-CacheOnly]  
[-DnsOnly] [-DnssecCd] [-DnssecOk] [-LlmnrFallback] [-LlmnrNetbiosOnly]  
[-LlmnrOnly] [-NetbiosFallback] [-NoHostsFile] [-NoIcmp] [-NoRecursion]  
[-QuickTimeout] [-Server <String[>] ] [-TcpOnly] [<CommonParameters>]
```

DESCRIPTION

The Resolve-DnsName cmdlet performs a DNS query for the specified name. This cmdlet is functionally similar to the nslookup tool which allows users to query for names.

PARAMETERS

-CacheOnly [<SwitchParameter>]

Resolves this query using only the local cache.

-DnsOnly [<SwitchParameter>]

Resolves this query using only the DNS protocol.

-DnssecCd [<SwitchParameter>]

Sets the DNSSEC checking-disabled bit for this query.

-DnssecOk [<SwitchParameter>]

Sets the DNSSEC OK bit for this query.

-LlmnrFallback [<SwitchParameter>]

Allows falling back to the LLMNR protocol when resolving this query with DNS fails.

-LlmnrNetbiosOnly [<SwitchParameter>]

Resolves this query using only the LLMNR or NetBIOS protocols.

-LlmnrOnly [<SwitchParameter>]

Resolves this query using only the LLMNR protocol.

-Name <String>

Specifies the name to be resolved.

-NetbiosFallback [<SwitchParameter>]

Allows fallback to the NetBIOS protocol when resolving this query with DNS fails.

-NoHostsFile [<SwitchParameter>]

Skips the hosts file when resolving this query.

-NoIdn [<SwitchParameter>]

Specifies not to use IDN encoding logic for the query.

-NoRecursion [<SwitchParameter>]

Instructs the server not to use recursion when resolving this query.

-QuickTimeout [<SwitchParameter>]

Uses shorter timeouts for this query.

-Server <String[]>

Specifies the IP addresses or host names of the DNS servers to be queried.

By default the interface DNS servers are queried if this parameter is not supplied.

-TcpOnly [<SwitchParameter>]

Uses only TCP for this query.

-Type <RecordType>

Specifies the DNS query type that is to be issued. By default the type is

A_AAAA, the A and AAAA types will both be queried. The acceptable values for this parameter are:

-- UNKNOWN = 0,

-- A_AAAA = 0, the DNS query type is A_AAAA.

-- A = 1, the DNS query type is IPv4 server Address.

-- AAAA = 28, the DNS query type is IPv6 server address.

-- NS = 2, the DNS query type is name server.

-- MX = 15, the DNS query type is mail routing information.

-- MD = 3, the DNS query type is mail destination.

-- MF = 4, the DNS query type is mail forwarder.

-- CNAME = 5, the DNS query type is canonical name.

- SOA = 6, the DNS query type is start of authority zone.
- MB = 7, the DNS query type is mailbox domain name.
- MG = 8, the DNS query type is mail group member.
- MR = 9, the DNS query type is mail rename name.
- NULL = 10, the DNS query type is null resource record.
- WKS = 11, the DNS query type is well known service.
- PTR = 12, the DNS query type is domain name pointer.
- HINFO = 13, the DNS query type is host information.
- MINFO = 14, the DNS query type is mailbox information.
- TXT = 16, the DNS query type is text strings.
- RP = 17, the DNS query type is responsible person.
- AFSDDB = 18, the DNS query type is AFS database servers.
- X25 = 19, the DNS query type is packet switched wide area network.
- ISDN = 20, the DNS query type is Integrated Services Digital Network.
- RT = 21, the DNS query type is DNS route through.
- SRV = 33, the DNS query type is server selection.
- DNAME = 39, the DNS query type is domain aliases.
- OPT = 41, the DNS query type is DNS option.
- DS = 43, the DNS query type is delegation signer.
- RRSIG = 46, the DNS query type is DNSSEC signature.
- NSEC = 47, the DNS query type is next-secure record.
- DNSKEY = 48, the DNS query type is DNS key record.
- DHCID = 49, the DNS query type is Dynamic Host Configuration Protocol information.
- NSEC3 = 50, the DNS query type is NSEC record version 3.
- NSEC3PARAM = 51, the DNS query type is NSEC3 parameters.
- ANY = 255, the DNS query type is wildcard match.
- ALL = 255, the DNS query type is wildcard match.

<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>).

----- EXAMPLE 1 -----

```
PS C:\> Resolve-DnsName -Name www.bing.com
```

This example resolves a name using the default options.

----- EXAMPLE 2 -----

```
PS C:\> Resolve-DnsName -Name www.bing.com -Server 10.0.0.1
```

This example resolves a name against the DNS server at 10.0.0.1.

----- EXAMPLE 3 -----

```
PS C:\> Resolve-DnsName -Name www.bing.com -Type A
```

This example queries for A type records for name www.bing.com.

----- EXAMPLE 4 -----

```
PS C:\> Resolve-DnsName -Name www.bing.com -DnsOnly
```

This example resolves a name using only DNS. LLMNR and NetBIOS queries are not issued.

REMARKS

To see the examples, type: "get-help Resolve-DnsName -examples".

For more information, type: "get-help Resolve-DnsName -detailed".

For technical information, type: "get-help Resolve-DnsName -full".

For online help, type: "get-help Resolve-DnsName -online"